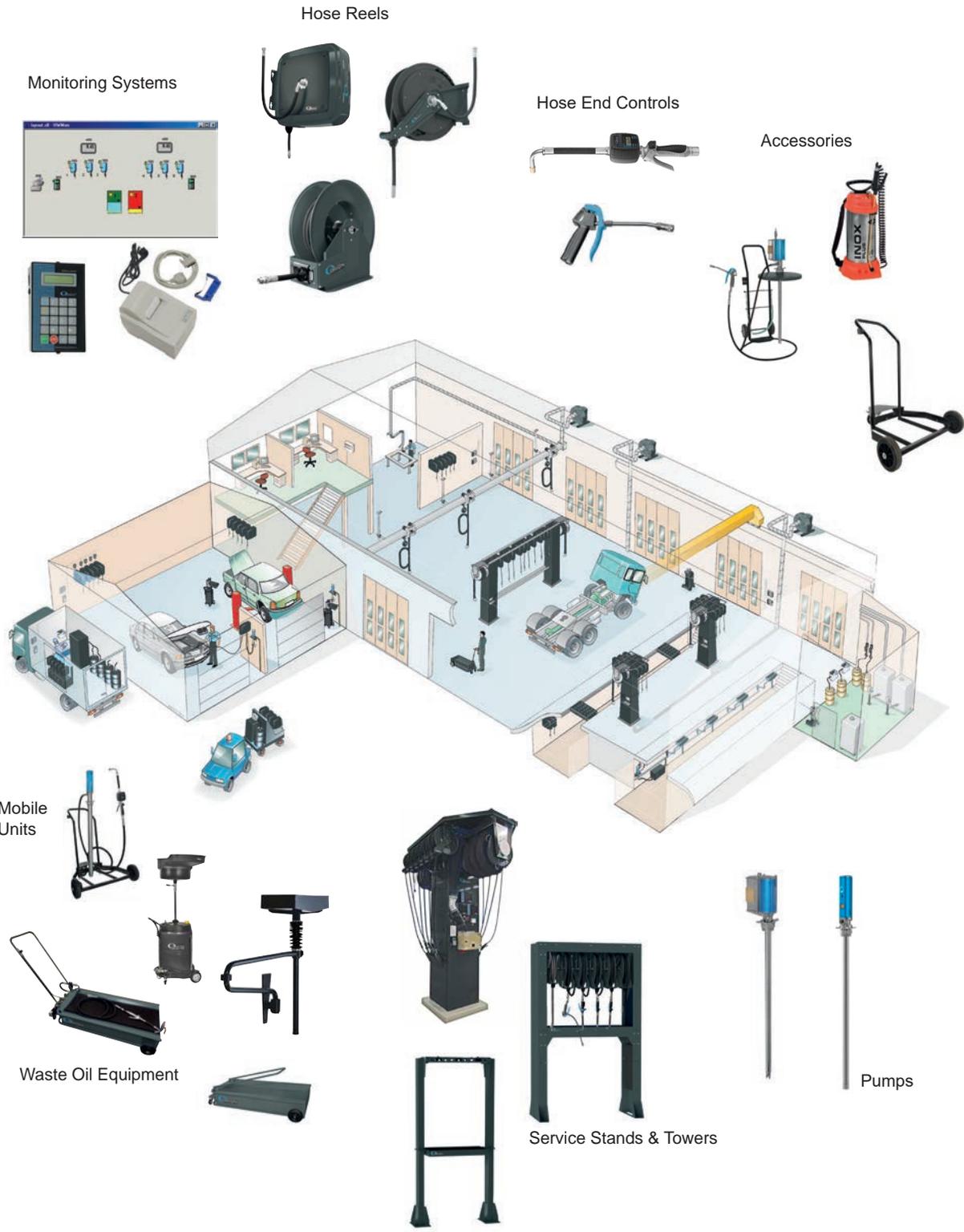


ORION®

Alentec & Orion AB SWEDEN

WE PROVIDE
SOLUTIONS

Garage



“We are in the frontline of lubrication equipment development”

Alentec & Orion AB develop, manufacture and market equipment and services in pumping, measuring and dosing to the automotive and general industry.

The product range consists of a wide range of stationary, mobile and portable pumps with accessories for; filling- dosing- control- and waste oil handling.

Hose reels and systems for exhaust and welding smoke extraction are also in our range.

Orion is an international company with headquarters in Sweden. We are represented in more than 50 countries in the world and are expanding rapidly. Orion companies in United Kingdom, Belgium and France together with an extensive distributor base are supporting the market.



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News 2017 / Nyheter 2017

Hand Held Sprayer

For stronger naphta-based liquids such as break cleaner. Has a powerful air pump to build up pressure, a safety valve that protects against over compression, a fill level scale, Viton® seals and an adjustable nozzle. Recommended pH 1-9.

Description	Volume	Work. Pressure	Pressure Generator
Sprayer FPM	1,5 l	3 bar	Hand pump

Part No

3132NG

3132NG



LAN-cable reel

15m LAN-cabel reel manufactured in impact resistant plastic.

53650

53650



1	Grease Equipment	7
2	Oil Equipment	25
3	Waste Oil Handling Equipment	47
4	Air Equipment	63
5	Waterbased Fluids and Detergents Equipment	69
6	Diesel	83
7	AdBlue®	87
8	Hose Reels	95
9	Hose End Control	103
10	Monitoring Equipment	119
11	Drum Handling Equipment	131
12	Exhaust Extraction Equipment	135
13	Installation Equipment	147
14	Sorbents	157
Spare Parts www.alentec.com		

101	22	12134	14	14523	19	21019	40	21670	37
102	22	12135	14	14527	24	21022	39	21675	87
105	22	12200	13	14528	19	21023	38	21676	87
107	22	12201	13	14560	19	21027	40, 77	21677	87
108	22	12205	13	14565	19	21028	40, 77	21685	87
109	22	12210	13	14612	12, 104	21038	38	21686	87
110	22	12213	13	14615	12, 104	21040	40, 58	21687	87
112	22	12214	13	14625	12, 104	21044	40, 58	21690	87
120	22	12220	13	14626	12, 104	21046	40	22052	35
121	22	12221	13	14710	12, 105	21047	40, 77	22057	13
127	22	12225	13	14713	15, 17	21048	40, 77	22152	35
129	22	12230	13	14715	19	21065	37	22153	35
143	22	12233	13	14720	12, 105	21066	37	22154	35
171	22	12234	14	14726	16, 18	21067	36	22155	35
185	22	12235	14	14727	16, 18	21076	36	22158	35
208	22	12305	13	14730	105	21077	36	22159	34
211	22	12325	13	15112	11, 96	21100	134	22206	72, 91
501	21	12517	17	15125	11, 96	21103	133	22208	72
502	21	12519	20	15212	11, 97	21108	134	22210	28, 49
504	21	12527	17	15225	11, 97	21110	133	22211	72
505	21	12540	14	15325	11, 97	21122	77, 93	22221	70
507	21	12541	14	15436	11, 98	21130	39	22227	70
509	21	12542	14	15527	11, 98	21131	77, 93	22230	72, 91
511	21	12650	8	16004	74, 107	21132	77	22238	72
512	21	12651	8	16006	74, 107	21200	38, 77, 93	22310	28, 49, 85
514	21	12652	8	16212	11, 100	21205	38	22325	72
515	21	12750	8	16235	11, 100	21210	39, 77	22328	72
516	21	12751	8	18070	12, 105	21211	39, 77	22330	28, 49, 85
519	21	12752	8	18071	12, 105	21215	77	22422	75
525	21	12755	8	18072	12, 105	21220	39, 77	22440	27
535	21	12756	8	18073	12, 105	21221	39, 77	22441	27
538	21	12757	8	18078	24	21230	40, 77	22442	27
576	21	12820	9	18102	17	21231	40, 77	22443	27
577	21	12821	9	18103	17	21232	40, 77	22450	27
580	21	12822	9	18104	17	21235	40	22451	27
583	21	12825	9	18105	17	21300	77	22575	48
584	21	12830	9	18107	24	21500	38	22582	59
1697	21	12831	9	18110	24	21503	38	22584	59
1698	21	12832	9	18112	24	21504	36	22585	59
1823	22	12840	9	18122	24	21506	38	22586	59
1824	22	12841	9	18123	24	21507	36	22587	60
3658	76	12842	9	18124	24	21509	42, 58, 78	22588	60
3965	76	12852	8	18125	24	21574	37	22590	60
6027	46, 82	13511	18	18126	24	21578	37	22750	26
11001	16	13512	18	18128	24	21605	42, 79, 87	22752	26
11002	16	13513	18	18129	24	21606	42, 79, 87	22760	27
11003	16	13515	18	18130	24	21607	42, 79, 87	22762	27
11004	16	13520	18	18131	24	21609	42, 78	22770	71
11005	16	13525	18	18132	24	21610	42, 79	22771	71
11015	20	14001	19	18200	10	21614	41	22772	71
11025	16	14005	21	18201	22	21615	41	22775	71
11027	15	14006	21	18300	10	21616	41	22776	71
11028	15	14015	19	18305	10	21619	42, 58, 78	22777	71
11030	15	14016	19	18310	10	21625	41, 78	22780	27, 48
11050	20	14017	19	18316	24	21626	41, 78	22800	26
11116	15	14018	19	18340	10	21627	41, 78	22802	48
11118	15	14019	19	18370	10	21628	42, 79	22805	26
11205	16	14042	17, 105	18400	10	21629	42, 79	22810	26
11207	16	14043	17, 105	18410	10	21630	42, 79	22815	26
11210	16	14044	17, 105	18440	10	21631	42, 79	22819	26
11214	16	14045	19	18470	10	21632	42, 79, 87	22820	71
11220	16	14046	19	18507	23	21633	42, 79	22825	71
11225	17	14047	17, 105	18542	23	21634	42, 79	23008	50
11226	17	14050	19	18543	23	21635	42, 58, 78	23072	126
11230	16	14052	17, 105	18544	23	21636	41, 78	23132	127
11236	15	14055	19	18545	23	21637	41, 78	23154	127
11237	15	14056	19	18546	23	21638	41, 78	23163	128, 154
11238	15	14057	19	18547	23	21644	42, 78	23164	124
11239	15	14067	19	18548	23	21645	42, 78	23167	128
11310	15	14068	19	18565	24	21646	41	23168	128
11639	15	14069	19	18566	24	21647	41	23171	127
11709	20	14070	19	18569	9, 24	21648	41	23183	127
11710	17	14071	19	18570	9, 24	21650	39	23187	128
11711	17	14072	19	18571	9, 24	21652	39	23188	128
11712	17	14073	19	18572	9, 24	21656	36	23191	127
11713	15	14074	19	18573	9, 24	21657	41, 78	23192	127
11714	15	14076	19	18575	9, 24	21658	36	23193	127
11715	15	14512	19	18576	9, 24	21662	39	23195	127
11750	16	14514	19	18577	9, 24	21664	42, 58, 78	23260	123
12121	14	14516	19, 20	19002	21	21667	41, 78	23261	123
12130	14	14517	19	19009	21	21668	41, 78	23334	124
12131	14	14519	19	21012	38	21669	41, 78	23335	124

23354	124	24586	115
23355	125	24593	41
23376	125	24594	41
23377	124	24595	41
23400	123	24596	41
23401	123	24599	38, 39
23402	123	24626	41
23403	123	24627	41
23404	123	24628	41
23405	124	24661	45
23407	124	24662	45
23408	123	24675	31, 109
23409	124	24679	110
23412	124	24680	110
23414	124	24700	113
23415	124	24702	113
23417	128	24710	114
23419	124	24712	114
23430	127	24736	116
23431	123	24756	31, 110
23435	128	24757	110
23449	126	24759	93, 108
23455	120	24760	117
23457	120	24762	116
23577	93, 108	24763	116
23580	93, 108	24764	116
23600	123	24766	116
23605	85, 108	24772	117
23606	85, 108	24773	93, 106, 108
23607	85	24776	117
23608	85, 108	24777	93, 106, 108
23609	85	24778	116
23610	85	24779	116
24029	75, 107	24785	31, 112
24098	75, 107	24788	112
24099	75, 107	24792	31, 111
24104	155	24793	111
24105	74, 106	24795	116
24106	74, 106	24797	111
24113	112	24891	70
24114	112	24957	73, 97
24116	112	24960	98
24117	112	24965	73, 98
24135	37	24971	92, 97
24140	106	25006	35
24141	106	25016	35
24142	74, 106	25102	96
24145	74, 93, 106, 108	25105	96
24146	93, 108	25132	30, 96
24170	115	25135	30, 96
24186	70	25205	97
24188	70	25232	30, 97
24203	101	25235	30, 97
24204	101	25306	97
24205	101	25336	30, 97
24206	101	25406	98
24207	101	25436	30, 86, 98
24506	41, 78	25455	30, 86
24509	37	25507	98
24516	37	25537	30, 98
24517	41	25556	30, 86, 98
24518	75, 107	25565	30, 86, 98
24519	115	25606	99
24527	115	25608	99
24528	115	25638	30, 99
24529	115	25656	30
24537	115	25657	30, 86, 99
24549	53	25665	30, 86, 99
24555	53	26006	35
24556	109, 110, 112	26016	35
24557	109, 110, 112	26205	100
24558	31, 109	26232	30, 100
24560	31, 109	26235	30, 100
24561	31, 109	26502	57
24562	31, 109	28009	44, 81
24564	31, 109	28010	44, 81
24567	31, 110	28011	44, 81
24568	31, 110	28012	44, 81
24579	41	28013	44, 81
24580	41, 78	28015	44, 81
24583	45, 80	28022	45, 80
24585	115	28059	45, 80

28078	44, 81	28653	132
28079	44, 81	28654	90, 91
28080	44, 81	28665	134
28090	44	28670	43
28127	126	28671	43
28182	74, 106	28902	97
28185	46, 82	28904	98
28194	154, 155	28913	96, 97, 100
28195	155	29055	31, 115
28196	155	29057	23, 43
28197	154, 155	29077	57
28234	39, 94	29086	31, 82, 115
28235	39, 94	29090	31, 82, 115
28236	39, 94	29096	31, 82, 115
28238	39, 94	29108	54, 57
28239	39, 94	29120	46
28251	46, 82	29126	155
28268	74, 106	29138	57
28272	44	29139	57
28276	132	29142	134
28277	133	29144	134
28291	60	29145	134
28295	50	29250	134
28303	80	29300	50
28304	126	29310	56
28306	126	29312	52
28308	126	29320	56
28309	81	29325	56
28310	45, 81	29555	85
28311	45, 81	29725	51
28321	45, 81, 85	29736	51
28325	50	34000	158
28327	126	34001	158
28330	32	34002	158
28331	32	34003	158
28332	32	34004	158
28333	126	34005	158
28335	32	34006	158
28336	32	34007	43, 158
28337	32	34008	43
28339	39, 94	34100	159
28340	34	34101	159
28350	133	34102	159
28352	33	34103	159
28353	33	34104	159
28354	33	34105	159
28355	33	34106	159
28356	33	34107	159
28368	74, 106	34108	80, 159
28369	74, 106	34109	80
28400	93	34110	160
28506	43, 80	34120	160
28513	67, 154	34121	160
28524	43, 80	34442	52
28526	132	34452	52
28527	132	34462	52
28528	132	35151	86, 96
28552	43, 80	35241	97
28553	43, 80	36241	86, 100
28557	132	38013	126
28579	133	39004	57
28582	133	39049	56
28585	43	39068	54
28586	23	39073	57
28587	43	39075	57
28590	23	39405	55
28591	23	39407	55
28592	43, 80	39408	55
28594	43	39417	55
28595	43, 80	39430	56
28623	44	39505	55
28625	44, 81	39507	55
28629	44	39508	55
28637	44	39517	55
28638	44	39551	56
28639	81	39560	58
28643	81	39570	58
28645	132	39710	53
28646	132	39711	53
28649	81	39715	49
28651	132	42009	66
28652	132	42103	23, 43, 66, 80

42104	66	42104	66
42105	23, 66, 80	42105	23, 66, 80
42107	66	42107	66
42108	66	42108	66
42110	66	42110	66
42112	66	42112	66
42115	66	42115	66
42120	66	42120	66
42121	66	42121	66
42123	66	42123	66
42124	66	42124	66
42125	66	42125	66
44465	97	44465	97
44503	67, 107	44503	67, 107
44504	67, 107	44504	67, 107
44516	68	44516	68
44521	68	44521	68
44531	68	44531	68
44635	67	44635	67
44640	67	44640	67
45122	64, 96	45122	64, 96
45135	64, 96	45135	64, 96
45222	64, 73, 97	45222	64, 73, 97
45225	64, 73, 97	45225	64, 73, 97
45235	64, 73, 97	45235	64, 73, 97
45336	64, 73, 97	45336	64, 73, 97
45638	64, 99	45638	64, 99
45665	64, 99	45665	64, 99
46222	65, 100	46222	65, 100
46225	65, 73, 100	46225	65, 73, 100
46235	65, 73, 100	46235	65, 73, 100
46314	65, 73, 100	46314	65, 73, 100
46315	65, 73, 100	46315	65, 73, 100
46322	65, 73, 100	46322	65, 73, 100
46324	65, 73, 100	46324	65, 73, 100
48001	23, 43, 67, 80	48001	23, 43, 67, 80
48002	23, 43, 67, 80	48002	23, 43, 67, 80
48008	126	48008	126
48017	23, 43, 67	48017	23, 43, 67
48059	126	48059	126
48080	126	48080	126
48081	126	48081	126
48082	126	48082	126
48500	68	48500	68
48501	68	48501	68
48502	68	48502	68
48503	68	48503	68
48504	68	48504	68
48510	68	48510	68
48511	68	48511	68
48512	68	48512	68
48520	68	48520	68
48521	68	48521	68
48522	68	48522	68
48530	68	48530	68
48531	68	48531	68
48541	68	48541	68
48542	68	48542	68
48543	68	48543	68
48550	68	48550	68
48551	68	48551	68
48552	68	48552	68
48553	68	48553	68
48591	68	48591	68
48592	68	48592	68
48594	68	48594	68
48600	68	48600	68
48601	68	48601	68
48602	68	48602	68
48603	68	48603	68
52510	28	52510	28
52515	28	52515	28
52520	28	52520	28
52525	28	52525	28
53611	100	53611	100
53621	100	53621	100
53631	100	53631	100
53640	100	53640	100
53650	News 1	53650	News 1
53700	84	53700	84
53701	84	53701	84

53710	84	53710	84
53711	84	53711	84
53712	84	53712	84
53713	84	53713	84
53720	40	53720	40
53730	84	53730	84
53731	84	53731	84
53735	84	53735	84
53736	84	53736	84
53740	84	53740	84
53741	84	53741	84
53750	84	53750	84
54509	37	54509	37
55125	73, 96	55125	73, 96
55225	73, 97	55225	73, 97
55520	90	55520	90
55527	73, 98	55527	73, 98
55530	90	55530	90
55531	90	55531	90
55537	73, 98	55537	73, 98
56225	73, 100	56225	73, 100
64000	54	64000	54
64010	54	64010	54
65125	73, 96	65125	73, 96
65222	73, 97	65222	73, 97
65225	73, 97	65225	73, 97
65455	73, 92, 98	65455	73, 92, 98
66222	73, 100	66222	73, 100
66225	73, 100	66225	73, 100
73202	149	73202	149
73252	149	73252	149
73383	149	73383	149
75000	92	75000	92
75010	90	75010	90
75011	90	75011	90
75012	90	75012	90
75015	90	75015	90

INDEX

Part No / Page

2026154	23, 43, 80	7350001	94	25101771	151	30101093	67, 81, 150	23411M100	124
2085147	60	7350005	94	25101774	151	30101102	67, 81, 154	23411M50	124
2085398	74, 106	7350006	94	25101780	151	30101111	67, 81, 148	3111P	76
2090151	60	7350008	94	25101783	151	30101117	67, 81, 154	3131P	76
2125753	43, 80	7350009	94	25101819	151, 154	30101123	67, 81, 154	3132BC	76
2145895	115	7350012	94	25101864	151	30101129	67, 81, 154	3132NG	News 1
2145998	101	7350013	94	25101871	151	30101144	67, 81, 154	3132PG	76
2195075	52	7350015	94	25101903	152	30201300	154	3132PP	76
2226155	23, 43, 80	7350020	94	25101909	152	30201309	154	3132PR	76
2245634	115	7350021	94	25101915	17, 105	30201315	154	3253P	58
2245997	115	9320104	154	25101942	151	30201330	154	3270PE	76
2246122	109, 112	9320105	154	25101948	151	30201339	154	3270PP	76
2285343	115	9320106	154	25101963	151	30201345	149, 154	3275PE	76
2285344	115	9320119	152, 154, 155	25101978	151	30201354	154	3275PP	76
2285345	115	9320120	33	25101981	151	35101216	152	3595F	76
2285346	115	10101474	151	25101987	151	35101222	152	3615F	76
2285441	115	10101498	149, 151	25101999	151	35101258	152	3615X	76
2285470	109, 112	10101519	151	25102008	148, 151	35101273	152	480013M	23, 43, 67, 80
2285471	109, 112	10101564	148, 151	25102011	151, 154	38220406	153	480023M	23, 43, 67, 80
2285472	109, 112	10101567	151	25102020	151	38220408	153	504ROSTFRI	21
2285473	109, 112	10101588	149, 151	25102023	151	38220806	153	505B	21
2285474	109, 112	10101591	151	25102032	104, 105, 151	38220808	153	505ROSTFRI	21
2285475	109, 112	10103064	149	25102035	151	38220812	74, 106, 153	509F	21
2295013	55	10103070	148	25102036	149	38221208	153	509FROSTFRI	21
2295014	49, 52, 56, 60	10103073	149	25102038	151	38221212	153	509ROSTFRI	21
2295015	56	10103079	148	25102041	151	38221612	153	512ROSTFRI	21
2295018	60	10103088	148	25102047	149, 151	40801327	36, 132	513K	21
2295081	55	10103091	149	25102053	148, 151	55500206	15	514B	21
2295087	55	10103250	149	25102056	151	55500306	15	519F	21
2295104	52	10103280	149	25102065	148, 151	70091220	149, 151	535F	21
2295117	56	10103292	148	25102068	151	70101207	150	547K	21
2310034	39, 94	10103295	148	25102071	148, 151	70101237	149	580ROSTFRI	21
2310035	39, 94	10103325	148	25102074	151	70101249	148, 150	6321L	76
2310037	39, 94	10103337	148, 149, 151	25102341	152	70101261	149	A1184	22
2310038	39, 94	10103520	151	25102344	152	70101273	148	A1186	22
2310044	39	10103523	148, 149, 151	25102347	152	70101297	148	A1188	22
2315312	36	10103526	150, 151	25102350	152	70101303	149	A1190	22
2326013	50, 60	10103529	151	25102353	152	70501423	148, 149, 150	M101Fz	22
2326260	126	10103532	151	25102356	152	72101011	139	M101Ro	22
2330287	126, 127	10103544	148, 149, 150	25102359	152	72101021	139	NA5805/1	21
2345386	14, 35	10103547	151	25102365	152	72101045	139	NA7206	21
2345475	154, 155	10103558	151	25102377	152	72101051	153	ND6151	22
2345892	45	10103724	148	25102383	152	72101063	139	ND6160	22
2345893	45	10105941	151	25102386	152	72101081	94, 153	ND6161	22
2346077	112, 115	10105962	148	25102389	152	72101087	94, 153	ND6172	22
2346125	75	10105986	149	25102392	152	72101126	94, 153	SPEC1201	14
2346126	75	10105998	151	25102428	152	78020808	150, 153	SPEC1290	125
2385450	126	10106001	151	25102431	152	78020812	153	SPEC2289	125
2390169	50	10106364	149	25102434	152	78020816	153	SPEC2290	125
2390178	50	10106367	148	25102440	152	78070808	153	SPEC2292	125
2390192	80	10106370	149	25102446	152	78080808	153	SPEC2293	125
2390193	80	10106373	148	25102737	105	78310808	153	SPEC2294	125
2390196	80	10106379	148	25102866	152	78510808	153	SPEC2304	34
2395069	53	10106382	149	25102867	152	78900808	153	SPEC2305	34
2395080	53	10106484	149	25102869	152	90101120	148	SPEC2307	34
2395083	55	10106490	148	25102875	152	90101162	148	SPEC6011	53
2395092	36, 75	10106493	149	25102878	152	90101192	148	SPEC6044	49
2395093	36, 75	10106496	148	25201057	153	90201015	150	SPEC7291	125
2395140	53	10106502	148	25201061	153	90201030	150	SPEC7292	125
2410046	94	10106505	149	25201171	153	103201004	68	SPEC7293	125
2410561	74, 106	10201363	150	25201177	153	103201005	68	SPEC8042	129
2410564	74, 106	10201375	150	25201192	150, 153	103201155	68	SPEC8043	129
2410661	74, 106	10201441	150	25201201	153	103201204	68	SPEC8110	129
2410664	74, 106	10201459	150	25201204	153	103201205	68	SPEC8120	129
2426424	55	10201474	151, 153	25201210	153	103205004	68	SPEC8121	129
2446080	85	10202275	150	25201216	153	103205005	68	TEC500	21
2455000	109, 112	10202296	150	25201219	153, 154	103205152	68		
2468010	31, 110	10202365	150	25201243	153, 154	103205205	68		
2468011	110	10202377	150	25201252	153	227521550	26		
2468050	31, 110	14095008	94	25201270	153	P499	21		
2468051	110	14611008	94	25201273	153, 154	P499G	21		
2468060	74, 106	14611012	94	25201276	153	116B	22		
2468061	74, 106	25101117	152	25201279	153	119B	22		
2468064	74, 106	25101126	152	25201282	153	14044AVLAST	17		
2468070	93, 108	25101132	152	25201285	153	1669B	21		
2490171	50	25101294	150	25201297	60, 150, 153	1684B	21		
2490172	50	25101495	152, 155	25201300	153	1822A	22		
2490173	50	25101498	152, 154, 155	25201303	153	208ROSTFRI	22		
2818264	74, 106	25101507	155	30101069	154	211ROSTFRI	22		
4080050	126	25101513	152	30101081	67, 81, 148	23393M100	124		
4342000	41	25101519	152, 155	30101084	67, 81, 154	23393M25	124		
5330005	40	25101768	151	30101087	67, 81, 148	23393M50	124		



1 Grease

Air Operated Grease Pumps	8
Pump Ram Systems	10
Hose Reels	11
Grease Control Valves and Accessories	12
Mobile Units	13
Hand Operated Pumps	15
Cordless Grease Pumps	18
Grease Nozzles	19
Grease Joint Rejuvenator	20
Grease Fittings	21
Installation Accessories	23



Air Operated Grease Pumps

Grease Pump, Pressure Ratio 60:1

Air operated grease pump. For both mobile and fixed installations. Bung adapter G 2" included.

Pump tube length	For drum	Total length
450 mm (effective 420 mm*)	12-20 kg	700 mm
750 mm (effective 720 mm*)	50 kg	1.000 mm
930 mm (effective 900 mm*)	180 kg	1.180 mm

* The bung adapter uses 30 mm of total pump tube length.

Technical data	
Pressure ratio	60:1
Air motor	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
Capacity	1.000 g/min. free flow, air pressure 0,7 MPa, NLGI 2, 20 °C, 600 g/min. through 10 m 1/4"-hose and grease gun (14612)
Air Consumption	in normal conditions 150 l/min.
Air Pressure	Max 1 MPa (10 bar)
Pump tube	Ø 30 mm
Connections	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

Part No

12750
12751
12752

12752



Divorced Grease Pumps Heavy Duty

Air operated grease pump with separated air motor from the pump tube. Avoids "sticky" grease to enter into the air motor. For both mobile and fixed installations. Bung adapter G 2" included.

Pump tube length	For drum	Total length	Pump tube
450 mm (effective 420 mm*)	12-20 kg	890 mm	Ø 30 mm
750 mm (effective 720 mm*)	50 kg	1.190 mm	Ø 30 mm
930 mm (effective 900 mm*)	180 kg	1.370 mm	Ø 30 mm
930 mm	180 kg	1.370 mm	Ø 40 mm

* The bung adapter uses 30 mm of total pump tube length.

Technical data	
Pressure ratio	12650, 12651, 12652: 60:1 12852: 65:1
Air motor	Diameter: Ø 80 mm. Height: 270 mm Stroke length: approx. 100 mm
Capacity	60:1: 1.000 g/min. free flow, air pressure 0,7 MPa, NLGI 2, 20 °C, 600 g/min. through 10 m 1/4"-hose and grease gun (14612) 65:1: 1.800 g/min. free flow, air pressure 0,7 MPa.
Air Consumption	in normal conditions 150 l/min.
Air Pressure	Max 1 MPa (10 bar)
Connections	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

For pumps with divorced air motor we recommend to use lubricator.

12650
12651
12652
12852

12652



Grease Pump, Pressure Ratio 80:1

Air operated grease pump. Bung adapter G 2" included.

Pump tube length	For drum	Total length
450 mm (effective 420 mm*)	12-20 kg	700 mm
750 mm (effective 720 mm*)	50 kg	1.000 mm
930 mm (effective 900 mm*)	180 kg	1.180 mm

* The bung adapter uses 30 mm of total pump tube length.

Technical data	
Pressure ratio	80:1
Air motor	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
Capacity	730 g/min. free flow, air pressure 0,7 MPa, NLGI 2, 20 °C, 450 g/min. through 10 m 1/4"-hose and grease gun (14612)
Air Consumption	in normal conditions 150 l/min.
Air Pressure	Max 0,7 MPa (7 bar)
Pump tube	Ø 30 mm
Connections	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

12755
12756
12757

12757



Air Operated Pump and Accessories

Heavy Duty Grease Pumps (4 1/2" air motor)

High capacity heavy duty grease pump for simultaneous fluid distribution to multiple dispense points, or for pumping large distances (up to 100m).

Pressure ratio	Pump tube length	Pump type	Total length
25:1	855 mm	185 kg	1.357 mm
40:1	490 mm	Bulk stub*	992 mm
40:1	855 mm	185 kg	1.357 mm
40:1	650 mm	50 kg	1.152 mm
70:1	855 mm	185 kg	1.357 mm
70:1	650 mm	50 kg	1.152 mm
70:1	490 mm	Bulk stub*	992 mm

* 3" Cam lock adapter included

Air motor	4 1/2" (115 mm)
Capacity	Ratio 25:1 - 16 kg/m (free flow, NLGI-0) Ratio 40:1 - 11 kg/m (free flow, NLGI-2) Ratio 70:1 - 7,5 kg/m (free flow, NLGI-2)
Air pressure	Ratio 25:1 and 40:1 - Max 1,4 MPa (14 bar) Ratio 70:1 - Max 0,7 MPa (7 bar)
Connections	Air: G 1/2" BSP (f) Grease: 1/2" BSP (f)

Heavy duty pumps should be used together with Pump Ram system, see pg 10.

Part No

12825
12820
12822
12821
12832
12831
12830

12822



Heavy Duty Grease Pumps (6" air motor)

High capacity heavy duty grease pump for simultaneous fluid distribution to multiple dispense points, or for pumping large distances (up to 100m).

Pressure ratio	Pump tube length	Pump type	Total length
12:1	226 mm	Bulk stub*	742 mm
80:1	855 mm	185 kg	1.371 mm
80:1	650 mm	50 kg	1.166 mm

* 3" Cam lock adapter included

Technical data	
Air motor	6" (150 mm)
Capacity	Ratio 12:1 - 40 kg/m (free flow, NLGI-2) Ratio 80:1 - 8 kg/m (free flow, NLGI-2)
Air pressure	Max 0,7 MPa (7 bar)
Connections	Air: G 1/2" BSP (f) Grease: 1/2" BSP (f)

Heavy duty pumps should be used together with Pump Ram system, see pg 10.

12840
12842
12841

12842



Installation Kit for Pump in Drums

Includes all the necessary components to install an air operated grease pump in a drum and connect to the air supply and distribution pipework. (Pump and follower plate not included).

Information:	For pump	
Air line hose 1/4" L= 1,5 m, Grease line hose 3/8" L= 1,5 m		
For 180 kgs drum incl. FRL unit	126- & 127-series	99601
For 50-60 kgs drum incl. FRL unit	126- & 127-series	99602
For 20 kgs drum incl. FRL unit	126- & 127-series	99604
Air line hose 1/2" L= 1,5 m, Grease line hose 1/2" L= 4,0 m		
For 180 kgs drum incl. FRL unit	128-series	99611
For 50-60 kgs drum incl. FRL unit	128-series	99612



Follower Plates

Eliminate cavitation and help pump priming. Rubber flange minimises waste by wiping the inner drum wall. Can be used with pump tube diameters 26-42 mm.

Drum size	Fits drum with inner diameter	
12,5 kg	230 - 260 mm	18569
18-20 kg	265 - 290 mm	18570
50 kg	300 - 330 mm	18575
50 kg	340 - 360 mm	18571
50 kg	360 - 395 mm	18572
180 kg	560 - 590 mm	18573
50 kg	330 - 370 mm (only for Heavy Duty pumps)	18576
50 kg	360 - 405 mm (only for Heavy Duty pumps)	18577
180 kg	550 - 590 mm (only for Heavy Duty pumps)	18578



Pump Ram Systems

Two Post Ram

Function like a lift, but also exert downward force. Ram air cylinders push pump and follower plate into the fluid. Rams feature two-posts that exert downward force on pump to maintain prime. Ram also lifts pump to ease change over of empty fluid containers. Kit includes pump, follower plate and ram.

Measurements

Base - 39" (830 mm) x 24" (600 mm)

Raised Height - (2.230 mm)

Lowered Position Height - (1.320 mm)

Description

Two Post Ram without pump

Two Post Ram with pump 12852

Two Post Ram with pump 12821

Two Post Ram with pump 12831

Part No

18300

18310

18340

18370

18310



Single Post Ram

Gravity assisted pump ram, the weight of the pump and accessories create a pressure on the grease and aiding pump prime. Ram also lifts pump to ease change over of empty fluid containers. Kit includes pump, follower plate and ram.

Measurements

Raised Height - (2.620 mm)

Lowered Position Height - (1.620 mm)

Description

Single Post Ram without pump (185 kg)

Single Post Ram with pump 12852

Single Post Ram with pump 12822

Single Post Ram with pump 12832

18400

18410

18440

18470

18400



Pump Hoist

Pump hoist for Heavy Duty Pumps, making drum changes faster, easier and safer. The risk of contaminants from the pump being placed on the floor during drum changes is eliminated. The arm can swing freely serving up to three pumps. Only for Heavy Duty Pumps with eye bolt.

Measurements

Raised Height - (2.620 mm)

Lowered Position Height - (1.620 mm)

Description

Pump Hoist

18305



Pump Ram for Sticky Grease 12-20 kg

Mobile unit designed for use with hard to pump, sticky and high viscosity greases up to NLGI3. A pneumatic piston elevates the pump for replacing an empty pail. The pneumatic piston also pushes down when the pump is in use.

Description

Pump Ram with pump 12651

18200



Hose Reels

Series ORK, ORM

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn.threads	Work pressure	
	m	mm-inch		MPa bar	
Series ORK	10	6,3 - 1/4"	G1/4" (f)	40 400	15112
Series ORM	15	10 - 3/8"	In G3/8" (f) Out G1/4" (f)	40 400	15125

Series ORS

Open single arm hose reel made in aluminium with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn.threads	Work pressure	
	m	mm-inch		MPa bar	
Series ORS	10	6,3 - 1/4"	G1/4" (f)	35 350	15212
Series ORS	15	10 - 3/8"	In G3/8" (f) Out G1/4" (f)	35 350	15225

Series OR

Open hose reel with longer hose lengths, fitted with swaged couplings.

	Length	Diameter	Conn.threads	Work pressure	
	m	mm-inch		MPa bar	
Series OR	15	10 - 3/8"	G3/8" (f)	40 400	15325

Series LOR

Open hose reel with steel braided, oil resistant rubber hose.

	Length	Diameter	Conn.threads	Work pressure	
	m	mm-inch		MPa bar	
Series LOR	25	10 - 3/8"	G3/8" (f)	40 400	15527

Series ORL

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure	
	m	mm-inch		MPa bar	
Series ORL	20	12,5 - 1/2"	G1/2" (f)	24 240	15436

Series CRO

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn.threads	Work pressure	
	m	mm-inch		MPa bar	
Series CRO	10	6,3 - 1/4"	G1/4" (f)	35 350	16212
Series CRO	15	10 - 3/8"	In G3/8" (f) Out G1/4" (f)	35 350	16235

More information, see the Hose reel section!

Part No

15112

15125

15212

15225

15325

15527

15436

16212

16235



Grease Control Valves and Accessories

Grease Control Valve

Control valve with outlet tube and hydraulic nozzle, PN 50 MPa (500 bar).

Description	Conn. thread	Max .pressure	Part No
Grease control valve	G1/4" (f)	50 MPa (500 bar)	14612
Grease control valve w. Z-swivel	G1/4" (f)	50 MPa (500 bar)	14615
Grease control valve w. Z-swivel & hose (450mm)	G1/4" (f)	50 MPa (500 bar)	99600

Note! Adapter 25102032 is required when used with a 3/8" hose reel.

Part No

14612



14615



99600



Grease Control Valves - High Pressure

Pressure can be increased to 80 MPa (800 bar) by pumping the handle.

Description	Conn. thread	Max connection pressure	Part No
Grease control valve inlet filter and release valve included	G1/4" (m)	50 MPa (500 bar)	14625
Grease control valve	G1/8" (f)	50 MPa (500 bar)	14626

Note! Do not use with outlet hose.

14625

14625



14626

14626



Grease Meter

Digital grease meter, equipped with current dispense display and resettable and non-resettable totalisors. Digital display powered by two 1,5 V AAA batteries.

Max working pressure 50 MPa (500 bar).

Max flow 2.000 gr/min.

Accuracy +/- 3 %.

Description	Conn. thread	Max .pressure	Part No
Meter with control valve	G1/4"(f)	50 MPa (500 bar)	14720
In-line meter	G1/8"(f)	50 MPa (500 bar)	14710

14720

14720



14710

14710



Swivels for Grease

Makes it possible to handle grease hoses with ease even at high pressure. For best results use a straight swivel between pump and distribution hose and a Z-swivel between hose and grease control valve.

Description	Conn. threads	Max. pressure	Part No
Straight swivel	G1/4"(m) - G1/4"(f)	50 MPa (500 bar)	18070
Z-swivel	G1/4"(m) - G1/4"(f)	50 MPa (500 bar)	18071
Z-swivel	1/4" NPT(m) - 1/2"-27(m)	50 MPa (500 bar)	18072
Z-swivel	G1/8"(m) - G1/4"(f)	50 MPa (500 bar)	18073

18070

18070



18071



18072



18073



Mobile Grease Pumps

Mobile Grease Pumps for 12 to 180 kg Drums

Consisting of pump (pressure ratio 60:1 or 80:1), 1/4" quick coupling, drum lid, grease hose, z-swivel and grease control valve.

With 60:1 grease pump capacity appr. 1.000 g/min.

Description	For container	Hose length	Trolley
Grease pump, Portable	12-20 kg	2 m	-
Grease pump with trolley	12-20 kg	2 m	28528
Grease pump with trolley	50 kg	3 m	28528
Grease pump with trolley	50 kg	3 m	28526
Grease pump with trolley	180 kg	3 m	28276
Grease pump with trolley	180 kg	3 m	28645
Grease pump with trolley	180 kg	Hose Reel	28645

With 80:1 grease pump capacity appr. 730 g/min.

Description	For container	Hose length	Trolley
Grease pump, Portable	12-20 kg	2 m	-
Grease pump with trolley	12-20 kg	2 m	28528
Grease pump with trolley	50 kg	3 m	28528
Grease pump with trolley	50 kg	3 m	28526
Grease pump with trolley	180 kg	3 m	28276
Grease pump with trolley	180 kg	3 m	28645

Note! Follower plate ordered separately.

Part No

12200
1222012201
1222112200
12201
12205
12305
12210
12213
1221412205
1222512220
12221
12225
12325
12230
12233

12214

12210
12230

Mobile Pump for Chassis Lube

Complete unit for 180 kg drum. Consisting of pump 22762, pressure ratio 15:1, 1/2"-hose (4 m) with quick coupling for transferring grease to vehicle chassis lube containers. Delivered with trolley for 180 kg drum 28645, drum cover 18542 and follower plate 18572

Description	Dimension
Chassis lube unit	450 x 620 x 1.200 mm

22057



Mobile Grease Pumps

Mobile Grease Pumps for 12-20 kg and 50 kg Drums

Consisting of a pump (pressure ratio 55:1) capacity approx. 600 g/minute, 1/4" quick coupling, drum lid, grease hose, z-swivel and grease control valve.

Description	For container	Hose length
Grease pump (55:1)	12-20 kg	(Pump only)
Grease pump (55:1)	50 kg	(Pump only)
Grease pump (55:1)	180 kg	(Pump only)

Grease pump, Portable	12- 20 kg	2 m
Grease pump with trolley	12-20 kg	2 m

Grease pump with trolley	50 kg	3 m
--------------------------	-------	-----

Grease pump "De-Luxe"	12-20 kg	2 m
Grease pump "De-Luxe"	50 kg	3 m

Description	For	Dimension
Empty inner container 50 kg drum	12135	Ø 365 x 680 mm
Empty inner container 20 kg drum	12134	Ø 295 x 375 mm

Note! Follower plate ordered separately.

Part No

12540
12541
12542

12130
12121

12131

12134
12135

2345386
1825106



Mobile Grease Pumps, "De-Luxe", for 12-20 kg and 50 kg Drums

Consists of a pump fitted to the lid of a protective container, incl. air coupling, grease hose, z-swivel and grease control valve. The container is mounted on a trolley fitted with four wheels.

With 60:1 grease pump capacity appr. 1.000 g/min.

Description	For container	Hose length
Grease pump "De-Luxe"	12- 20 kg	2 m
Grease pump "De-Luxe"	50 kg	3 m

Description	For	Dimension
Empty inner container 50 kg drum	12235	Ø 365 x 680 mm
Empty inner container 20 kg drum	12234	Ø 295 x 375 mm

Note! Follower plate ordered separately.

12234
12235

2345386
1825106



Filler kit for Screw-in type cartridges and Lever Grease guns

Adapter kit to use a single grease pump for normal greasing using a grease hose and grease control valve, as well as filling up screw-in type cartridges and grease guns directly using loader nipples. Includes adapter for screw-in type cartridges, dust cover and loader nipples. Empty cartridges sold separately.

Description
Filler kit for screw-in type cartridges
Empty screw-in cartridge

SPEC1201
1315630



Mobile Grease Pumps

Portable Grease Pump

Portable grease pump, complete with hose and hydraulic coupling.

Description	Volume	Gram/Stroke	Max pressure	Dimension (L x W x H)	Weight (appr.)
Portable pump Round container	16 kg	7,5	15 MPa (150 bar)	490 x 240 x 630 mm	7,3 kg
Portable pump Oval container	16 kg	*	35 MPa (350 bar)	380 x 170 x 620 mm	9,15 kg
Portable pump OriCan container	16 kg	30	15 MPa (150 bar)	490 x 240 x 639 mm	7,3 kg

**Adjustable between a flow of 10, 15 or 20 gr/stroke.*

High Pressure Grease Pump

Pump mounts directly to a standard grease drum. Handle, drum lid, high pressure hose, outlet tube and hydraulic coupling included.

Description	Capacity	Max pressure	Diameter (drum lid)
High pressure pump 2gr/stroke		35 MPa (350 bar)	Ø 265-310 mm
High pressure pump 2gr/stroke		35 MPa (350 bar)	Ø 285-330 mm

Foot Grease Pump

Heavy duty, durable and dense. Grease hose (1,5 metres) and hydraulic nozzle included.

Description	Volume	Max pressure	Capacity
Foot Pump	5 kg	50 MPa (500 bar)	2 gr/stroke

Grease Reservoir Filler Pump

Medium pressure pump with 1,5 m hose for centralised grease reservoir filling. Quick connectors orders separately.

Description	Drum lid
Filler Pump for 5 kg drums	Ø 160-212 mm
Filler Pump for 15-18 kg drums	Ø 240-300 mm
Filler Pump for 25 kg drums	Ø 285-335 mm
Filler Pump for 50 kg drums	Ø 365-415 mm
Filler Pump for 12 - 18 kg drums	Ø 265-310 mm
Filler Pump for 20 kg drums	Ø 285-330 mm
Filler Pump for 50 kg drums	Ø 350-395 mm
T-adapter connection kit for Filler pumps	
Filling adapter for screw-in type cartridges	

Quick coupling
Quick nipples

Filler pump for 400/500g cartridges
Adapter for 11030 M20 x 1,5 (m)
Adapter for 11030 M22 x 1,5 (m)

Part No

11027

11028

11639



55500306
55500206

11030
1315660
1315661

11714
11238

11030



Hand Operated Grease Pumps

Hand Operated Grease Pump

Simple hand pump. The nozzle is pressed against the fitting. Made of zinc coated steel with plastic lid. Max. pressure 25 MPa (250 bar), capacity 0,6 cm³/stroke.

Volume	Dimension	Type of nozzle	Part No
60 cm ³	Ø 30 x 115 mm	Funnel/hydraulic nozzle	11001
60 cm ³	Ø 30 x 115 mm	Pointed nozzle	11002
150 cm ³	Ø 40 x 240 mm	Funnel nozzle	11003
150 cm ³	Ø 40 x 240 mm	Pointed nozzle	11004
150 cm ³	Ø 40 x 240 mm	Hydraulic nozzle	11005
60 cm ³	Ø 30 x 115 mm (plastic)	Funnel/hydraulic nozzle	11025

Lever Grease Pump

For use either with bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. Outlet tube with hydraulic coupling included.

Description	Capacity	Max.pressure	Part No
Standard	0,8 g/stroke	350 bar	
Lever grease pump, basic version			11205
11205 with 200 mm grease hose - part.no 14042			1120510
11205 with 300 mm grease hose - part.no 14043			1120520
11205 with 450 mm grease hose - part.no 14044			1120530
Grease pump with 1000 cm ³ container			11214
Adapter and tube for screw-in type cartridge			14726
Empty screw-in cartridge			1315630

Lever Grease Pump, Industry	0,8 g/stroke	700 bar	Part No
Lever grease pump with bleeder nipple and hydraulic coupling			11210
11210 with 300 mm grease hose (part.no 14043).			1121020

Lever Grease Pump 750, Heavy duty	0,8 g/stroke	750 bar	Part No
Lever grease pump with a comfortable handle, bleeder nipple, hose and hydraulic coupling. Delivered in a stylish box.			11750

Lever Grease Pump "Speedy Grease" with magnet. (not for bulk grease)	2,5 g/stroke	350 bar	Part No
Lever grease pump with hose, fitting and followers.			11207
Followers 24 pcs			1315625
Adapter for screw tube			1315627

Lever Grease Pump, Professional Duty	1,3 g/stroke	700 bar	Part No
Lever grease pump with bleeder nipple and hydraulic coupling			11220
Adapter and tube for screw-in type cartridge			14727

Lever Grease Pump, Extra Heavy Duty	1,1 or 1,7 g/stroke	700 bar	Part No
Lever grease pump with bleeder nipple and hydraulic coupling			11230

We also have lever grease guns for extreme applications, contact us for further information.

Part No



Hand and Air operated Grease Pumps

Lever Grease Pump (Single hand operation)

Grease gun, operated by one hand, for use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm (Ø 2 3/32" x 9 1/3"). Outlet tube with hydraulic coupling (4 jaws, Ø 14 mm) included.

Model	Capacity approx.	Max pressure	Part No
Standard	0,7g/stroke (NLGI 2)	45,5 MPa (455 bar)	11226
Industry	0,8 g/stroke (NLGI 2)	45,5 MPa (455 bar)	11225



Air Operated Grease Pump

Air operated grease gun complete with air bleeder valve and connection thread for loader fitting (part No 18002), outlet with nozzle (4 jaws, Ø14 mm). Each operation of the trigger delivers approx. 1,3 g of grease. Pressure ratio 60:1.

Description	Max air pressure	Follower	Outlet	Capacity (approx.)	Part No
Air operated grease pump	1 MPa (10 bar, 150 psi)	Spring	Hose	500 cm ³	12517
Air operated grease pump	1 MPa (10 bar, 150 psi)	Air driven	Hose	1.000 cm ³	12527



Grease Outlet Hoses

High pressure hose, 4 mm i.d. Nitrile rubber with one Polyester braid PN 40 MPa (400 bar) and swaged couplings.

Description	Hose length	Connection thread	Part No
Outlet hose	200 mm	G 1/8" (male-male)	14042
Outlet hose	300 mm	G 1/8" (male-male)	14043
Outlet hose	450 mm	G 1/8" (male-male)	14044
Outlet hose with relief valve			14044AVLAST
Outlet hose	1.000 mm	G 1/8" (male-male)	14047
Outlet hose	2.500 mm	G 1/8" (male-male)	14052
Adapter (0105-2)	-	G 1/8" (female-female)	25101915



Loader Pump for Grease Pumps

For loading bulk grease into lever and air operated grease guns. Capacity 50 gr/stroke. Included loader nipples for Ø 9 and Ø 12 mm.

Description	Part No
Loader Pump for 12 - 18 kg drums (265- 310 mm)	11710
Loader Pump for 20 kg drums (285-330 mm)	11711
Loader Pump for 50 kg drums (350-395 mm)	11712
Filling adapter for screw-in type cartridges	14713
Empty screw-in cartridge	1315630
Dust cover for 14713	1315656



Loader Nipple

For loading bulk grease into 11200 and 12500-series pumps with a loader pump.

Description	Connection thread	Part No
Size Ø 12 mm		
Loader nipple for lever pumps	G 1/8"(m)	18102
Loader valve for the loader pump, to be used with nipple 18102	G 1/4"(m)	18103
Size Ø 9 mm		
Loader nipple for lever pumps	G 1/8"(m)	18104
Loader valve for the loader pump, to be used with nipple 18104	G 1/4"(m)	18105



Cordless Grease Pumps

12 Volt Cordless Grease Pump

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 45 MPa (450 bar) and 150 gr/min. Delivered with a high-capacity 12 V NiCd battery (1.500 mAh), one-hour fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. Delivered in a heavy duty carrying case with space for an extra battery and cartridge.

Description	Max capacity	Max Pressure	Weight
Grease pump	150 gr/min.	45 MPa (450 bar)	7,8 kg
Extra battery			
Grease pump with meter 14710			
Extra hose			
Adapter and tube for screw-in type cartridge			

Part No

 13511
 1355004
 13520
 1355001
 14727

13511



13520



18 Volt Cordless Grease Pump, Li-Ion Battery

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 45 MPa (450 bar) and 160 gr/min., has a capacity to deliver 5 cartridges per battery charge. Supplied with one high-capacity (NiMH) 18 V battery, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case.

Description	Max capacity	Max Pressure	Weight
Grease pump	160 gr/min.	45 MPa (450 bar)	6 kg
Extra battery			
230 V Charger			
Adapter and tube for screw-in type cartridge			

 13517
 1355020
 1355022
 14726

13517



14726



18 Volt Cordless Grease Pump, Li-Ion Battery

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 55 MPa (550 bar) and 170 gr/min., has a capacity to deliver 27 cartridges per battery charge. Supplied with one Li-Ion high-capacity 18 V battery, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case. Clip-on LED flashlight included.

Description	Max capacity	Max Pressure	Weight
Grease pump	170 gr/min.	55 MPa (550 bar)	2,9 kg
Extra battery			
Adapter and tube for screw-in type cartridge			

 13512
 1355030
 14727

13512



14727



20 Volt Cordless Grease Pump, Li-Ion Battery

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 69 MPa (690 bar) and 113 / 170 gr/min., has a capacity to deliver 15 cartridges per battery charge. Supplied with one Li-Ion high-capacity 20 V battery, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple.

A built in display shows remaining grease level, battery level and how much grease has been dispensed. Built-in LED flashlight.

All delivered in a heavy duty carrying case.

Description	Max capacity	Max Pressure	Weight
Grease pump	113/170 gr/min.	69 MPa (690 bar)	2,9 kg
Extra battery			
Adapter and tube for screw-in type cartridge			

 13513
 1355040
 14727

13513



14727



Grease Nozzles

Grease Outlet Tube

Grease pump outlet tubes. Connection thread: G1/8" (m).

Description	Diameter	incl nozzle	jaws
Outlet tube only, L=140 mm	Ø 10 mm	-	-
Outlet tube + nozzle, L=140 mm	Ø 15 mm	14512	4 pcs
Outlet tube + nozzle, L=140 mm	Ø 18 mm	14514	3 pcs

Part No

 14715
 14517
 14519


Hydraulic Nozzle

Connection thread on all nozzles G1/8" (f).

Description	Diameter	Jaws	Comment
Hydraulic nozzle	Ø 15 mm	4 st	
Hydraulic nozzle	Ø 15 mm	4 st	Non return valve
Hydraulic nozzle	Ø 18 mm	3 st	
Hydraulic nozzle	Ø 14 mm	3 st	
Hydraulic nozzle, lock-on	Ø 14 mm	-	Quick release adjustable 360°
Hydraulic nozzle	Ø 18 mm	3 st	
Release valve, for releasing of looked nozzles			
Release valve, for releasing of looked nozzles, Straight			

 14512
 14516
 14514
 14560
 14565
 14001
 14523
 14528


Slip-Sleeve Connectors

For easy change of different nozzles.

Description	Connection
Slip-Sleeve connector for 14514	G1/8" (m)
Slip-Sleeve connector for 14514	G1/8" (f)
Slip-Sleeve connector for 14514	Ø 10 mm for cardan joints
Slip-Sleeve connector for 14514	90° with nozzle 14512
Slip-Sleeve connector for 14514	90° with nozzle 14514
Slip-Sleeve connector for 14512	Needle 45 mm

 14015
 14016
 14017
 14018
 14019
 14070


Slip-Sleeve, Needle Nozzles

For connection to all hydraulic nozzles.

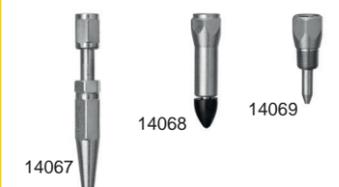
Description	Needle	Length
Slip-Sleeve Needle nozzle	Ø 6 mm	33 mm
Slip-Sleeve Needle nozzle	Ø 6 mm angel 45°	33 mm
Slip-Sleeve Needle nozzle	Ø 1,5 mm	45 mm
Slip-Sleeve Needle nozzle	Ø 2 mm	45 mm
Kit of all four in a plastic box		

 14071
 14072
 14073
 14074
 14076


Needle Nozzles

Connects with G1/8" (f) to a hose or a rigid tube.

Description
Needle nozzle with protection
Needle nozzle with rubber tip
Needle nozzle

 14067
 14068
 14069


Button Head Nozzles

Connects with G1/8" (f) to a hose or a rigid tube.

Description	Nipple head	Height	Sealing
Button Head	Ø 16 mm, 15 mm 6-hex	20 mm	Rubber
Button Head	Ø 16 mm, 15 mm 6-hex	21 mm	Metallic
Button Head	Ø 16 mm, 15 mm 6-hex	22 mm	Rubber
Button Head	Ø 22 mm	28 mm	Rubber
Button Head	Ø 22 mm	44 mm	Rubber
Button Head	Ø 22 mm	21 mm	Metallic
Packing Kit for 14056			

 14045
 14046
 14055
 14050
 14056
 14057
 398726


The Grease Joint Rejuvenator

The Grease Joint Rejuvenator

Simply fill the tool with a light oil and with a few taps the joint will open.

The Grease Joint Rejuvenator will allow a clogged grease fitting and / or joint to take on grease by injecting a light viscosity oil into the grease joint via the grease fitting, thus breaking up and removing any dirt, rust or debris. The purpose of this tool is to free up the joint and the fitting enabling them to be greased. When using the tool, be sure to bleed any air out that may be trapped in the tool body. Once the tool is installed onto the grease fitting, only a tapping of the piston is required to open a joint

Description
The Heavy Duty Grease Joint Rejuvenator cleans and unclogs grease joints and fittings. Supplied with a 125 mm (5") Flex Hose and a Plastic Storage Box

Replacement nozzle for 11015

Part No

11015



11015

14516

Grease Paddle

Tool that helps you to clean the drum walls in a drum when it is nearly empty. Length: 1.000 mm

11050



Bearing Packer

This unit removes old grease from the race and cage of roller or ball bearings and re-packs them with fresh grease. Includes a protective cover to keep dirt out when not in use and has mounting holes for attaching it to a workbench. From Ø 19 - Ø 150 mm bearing size.

11709



Grease spray unit

Air pressure operated grease spray unit for spraying grease directly from screw type cartridges. The unit delivers a constant quantity as long as the trigger is pulled. Flat or round spray pattern can be adjusted. Includes quick connector that fits Cejn 320 or Tema 1600.

Applications: Spraying grease onto chains, wire ropes, open gears, slide ways, telescopic booms, etc.

Description	Working air pressure	Follower	Capacity
Air operated sprayer	3-5 bar	Air driven	400cc screw cartridge

12519



Hydraulic Grease Fittings

LUB-Nozzles

Connects with G1/8" (f) to a rigid tube.

Description
LUB, Zerk
LUB, Flush

Part No

14005
14006

14005



14006



Hydraulic Grease Fittings

Manufactured according to DIN 71412.

Material: Zinc coated steel, hardened head.
Stainless Steel equivalent to SS 2346 (AISI303)

Principal: Jaws grip the fitting head, metallic seal (rubber on certain models). The nozzle is twisted off the fitting when greasing is complete.

PartNo Straight	Part 45°	Part 90°	Conn.thread (m)	Remark
509F	519F	535F	R1/8"	
509FROSTFRI			R1/8"	Stainless steel
509	519	535	1/8" NPTF	
509ROSTFRI			1/8" NPTF	Stainless steel
1669B			1/8" NPTF	Length under hex., 32 mm
1684B			1/8" NPTF	Length under hex., 54 mm
512	NA5805/1	538	G1/4"	
512ROSTFRI			G1/4"	Stainless steel
515			G3/8"	
504	NA7206	576	M6x1	
504ROSTFRI			M6x1	Stainless steel
1697			M6x1	Length under hex., 19 mm
505	505B	577	M8x1	
505ROSTFRI			M8x1	Stainless steel
507	514B	514	M8x1,25	
580	584	583	M10x1	
580ROSTFRI			M10x1	Stainless steel
516			W1/4"	
511			W3/8"	
513K	547K	525	1/4"-28 SAE-LT	
1698			1/4"-28 SAE-LT	Length under hex., 21 mm
TEC500			Ø 6 mm	Drive fitting
501			Ø 8 mm	Drive fitting
502			Ø 5/16"	Drive fitting



509 / 509F



547K



525

Grease Fitting Selection

Kit of 350 fittings selected from the 17 most commonly used hydraulic fittings. The box is made of crush proof plastic.

Kit of an assortment of M6x1, M8x1,25, M10x1 and G 1/8" in straight, 45°, 90° design, in all a total of 140 fittings. The box is made of plastic with 12 different compartments.

19002

19009



19009



19002

Protection Cover for Grease Fittings

Protects hydraulic grease fittings from ingress of dirt.

Description
Protection for grease fittings red
Protection for grease fittings yellow

P499
P499G

P499



P499G



LUB- and Button Head Fittings

LUB Grease Fittings

Material: Zinc coated steel.
Principal: The pump nozzle is pressed against the fitting, Metallic seal.

Part No Straight	Part No 45°	Conn. thread (m)	Remark
109	116B	R1/8"	Zerk type
127	143	G1/8"	Flush type
112	119B	G1/4"	Zerk type
129		G1/4"	Flush type
185		M6x1	Zerk type
107		M8x1,25	Zerk type
108		M10x1	Zerk type
105		W1/4"	Zerk type
110		W5/16"	Zerk type
101		Ø 6 mm	Drive fitting, Zerk
121		Ø 6 mm	Drive fitting, Flush
102		Ø 8 mm	Drive fitting, Zerk
120		Ø 8 mm	Drive fitting, Flush

Button Head Fittings

Material: Zinc coated steel
Stainless steel equivalent to SS 2346 (AISI303).
Principal: The nozzle grips the flange of the fitting when slid or pushed on, metallic or rubber seal.

Part No Ø 22 mm	Part No Ø 16 mm	Part No 15 mm hex.	Conn. thread (m)	Remark
	ND6172	208	G1/8"	
		208ROSTFRI	G1/8"	Stainless steel
	A1184		1/8" NPTF	
1824	ND6160	211	G1/4"	Length under hex., 32 mm
		211ROSTFRI	G1/4"	Stainless steel
ND6151			G3/8"	
	ND6161		G3/8"	
1823	A1186		1/4" NPTF	
1822A	A1188		3/8" NPTF	
18201	A1190		1/2" NPTF	
	M101Fz		M10x1	Length under hex., 16 mm
	M101Ro		M10x1	Stainless steel

Extension

Makes it possible to extend a lubricant fitting for ease of lubrication.

Description	Length	Conn. threads
Extension	32 mm (overall), extends the fitting approx. 25 mm	G1/8" (f) - G1/8" (m)

171

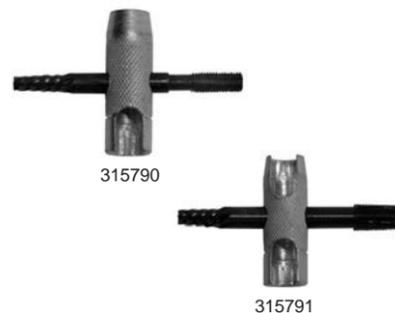


Fitting Tool

All-in-one tool to extract broken fittings, re-thread holes and install new straight and angle-type fittings.

Description
Fitting tool 1/4" - 28" SAE
Fitting tool 1/8" NPT

315790
315791



Part No



Installation Accessories

Air Treatment Units

Description	Conn. thread	Consisting of
Air treatment unit	G1/4 (f)	42107, 42009, 42110, 301296
Air treatment unit	G1/4 (f)	42107, 42009, 42108, 42112

Accessories:
Bracket for 42103 to mount on top of 12750-757 series pumps.
Air hose for Air Treatment Unit.

Part No

42103

42105

2026154
2226155



Air Line Hoses

Used to connect the compressed air supply to the pump, made of armoured PVC, max. working pressure 1,5 MPa (15 bar), with swaged couplings; one with swiveling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread	Part No
Air line hose	1/4" i.d.	1,5 m	G1/4"	48001
Air line hose	1/4" i.d.	3,0 m	G1/4"	480013M
Air line hose	3/8" i.d.	1,5 m	G3/8"	48002
Air line hose	3/8" i.d.	3,0 m	G3/8"	480023M
Air line hose	1/2" i.d.	2,0 m	G1/2"	48017



Inlet Strainer

Filter for Grease Pumps 12750-52, 12755-57, 12560-62. The strainer is mounted directly on to the inlet to prevent any contamination of the grease.

1125372



Bung Adapters

With split collar. G2" (m) thread for drum or drum covers.

Tube diameter	Fits Orion pump models	Part No
40 mm	12852	28590
30 mm	12750, 12751, 12752, 12755, 12756, 12757, 12650-52	28591
26 mm	12540, 12541, 12542	28586

Dust cover for drum adapter

29057



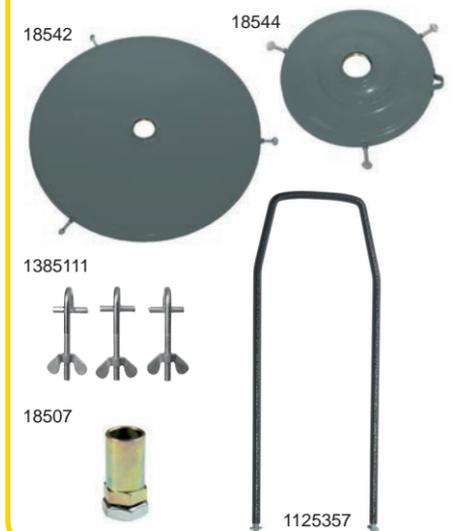
Drum Covers

Made of sheet metal with G2" (f) thread for the pump bung adapter and three retaining screws.

Drum size	Fits drum with outer diameter	Part No
12,5-20 kg	275 - 305 mm (prepared with 2 extra holes for fixation of carrying handle).	18544
18-20 kg	290 - 327 mm	18545
50 kg	345 - 380 mm	18546
50 kg	360 - 405 mm	18543
180 kg	560 - 605 mm	18542
50 kg	360 - 405 mm (only for Heavy Duty pumps)	18548
180 kg	560 - 605 mm (only for Heavy Duty pumps)	18547

Spare screw kit (3 screws)
Carrying handle for 18544
T-screw kit for plastic buckets (20 kg)
Grease gun holster for drum lids

1485016
1125357
1385111
18507



Accessories

Follower Plates

Eliminate cavitation and help pump priming. Rubber flange minimises waste by wiping the inner drum wall. Can be used with pump tube diameters 26-42 mm.

Drum size	Fits drum with inner diameter	Part No
12,5 kg	230 - 260 mm	18569
18-20 kg	265 - 290 mm	18570
50 kg	300 - 330 mm	18575
50 kg	340 - 360 mm	18571
50 kg	360 - 395 mm	18572
180 kg	560 - 590 mm	18573
50 kg	330 - 370 mm (only for Heavy Duty pumps)	18578
50 kg	360 - 405 mm (only for Heavy Duty pumps)	18577
180 kg	550 - 590 mm (only for Heavy Duty pumps)	18576



Adapter for Follower Plates

Attaches to the follower plate to further maximise emptying of the grease drum. Fits the follower plates on the previous product.

Description

Grease pumps series 126-127 series
Grease pump 12852
Grease pump 12821, 12831

18565
18566
18316



Grease Line Filter

For installation in grease distribution pipework (grease outlets). Built-up with discs which provide simplified cleaning. The filter withstands high pressure drops which eliminates the risk of cartridge bursting when contaminated.

Description	Filter rating	Conn.thread (m)	Max pressure	Part No
Grease filter	100 µm	G1/4", G3/8" alt G1/2"	50 MPa (500 bar)	14527



Distribution Hoses for Grease

High pressure hose, 1/4" i.d., double braided Nitrile rubber. Burst pressure min 140 MPa (1400 bar), swaged couplings, connection threads G1/4" (f) swivelling nuts incl. two adapters G1/4" (m) and one bushing G1/4" (f) - G3/8" (m). Other lengths are available upon request.

Part No	Hose Length	Part No	Hose Length
18122	2 m	18128	9 m
18123	3 m	18129	10 m
18124	4 m	18130	12 m
18125	5 m	18131	15 m
18126	6 m	18132	20 m



Grease Supply Hoses

High pressure hose, 3/8" i.d., double wire braided Nitrile rubber with swaged couplings and two connection adapters, G3/8" (m). Burst pressure min. 112 MPa (1.120 bar). Other lengths are available upon request.

Description

Length 1,5 metres
Length 4,0 metres
Length 6,0 metres

18107
18110
18112



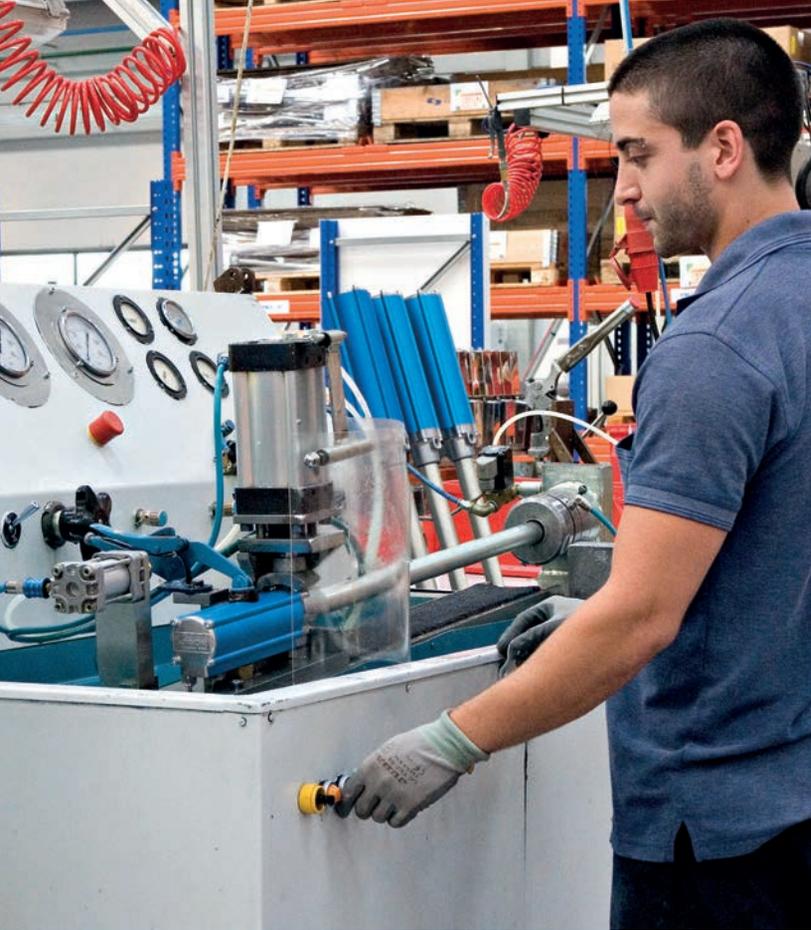
High Volume Grease Supply Hose

High pressure hose, 1/2" i.d., double wire braided.

Description

Length 4,0 metres

18150



2 oil

Air Operated Pumps	26
Electric Pumps.....	28
Air Operated Diaphragm Pumps	28
Installation Kits	29
Hose Reels	30
Valves and Meters	31
Distribution Kits.....	32
Kits for 1.000 l Containers	33
Tank Kits	34
Mobile Units.....	35
Oil Bar.....	37
Hand Operated Pumps.....	38
Funnels, Measures & Oilers	41
Installation Accessories	44



Air Operated Oil Pumps

Oil Pump, Pressure Ratio 1:1

Transfer pump for connection to bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for transferring oil and non-corrosive liquids. Includes a bung adapter G2" (m).

Pressure ratio 1:1

Capacity	Max 40 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22800) G1" (f)

Description

Stub pump
Barrel pump for 205 l drums

Part No

22800
22805

22800



22805



Oil Pump, Pressure Ratio 3:1

Low pressure pump for smaller oil distribution system and lower viscosity oils. Suitable for connection to a bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids. Includes a bung adapter G2" (m) and a PRV.

Pressure ratio 3:1

Capacity	Max 22 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22810) G3/4" (f)

Description

Stub pump
Barrel pump for 60 l drums
Barrel pump for 205 l drums

22810
22819
22815

22810



22819

22815

Oil Pump, Pressure Ratio 5:1

Medium pressure pump for larger oil distribution system and higher viscosity oils. Suitable for connection to a bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids. Includes a bung adapter G2" (m) and a PRV.

Pressure ratio 5:1

Capacity	Max 38 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22750) G1" (f)

Description

Stub pump
Barrel pump for 205 l drums
Pump for tank, max depth 1 500 mm

22750
22752
227521550

22750



22752



NOTE! Do not use any air operated pump for volatile or highly inflammable liquids like Petrol (Gasoline).

Air Operated Oil Pumps

Oil Pump, Pressure Ratio 15:1

High pressure oil pump for applications requiring higher pressure and lower flow rates. Suitable for connection to a bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids. Includes a bung adapter G2" (m).

Pressure ratio 15:1

Capacity	Max 15 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22760) G3/4" (f)

Description

Stub pump
Barrel pump for 205 l drums

Part No

22760
22762

22760



22762



Oil Pump, High Performance, Ratio 2:1

Low pressure high performance oil pump for applications requiring higher flow rates. Suitable for connection to a bulk tank or drum. Can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids.

Pressure ratio 2:1

Capacity	Max 60 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f)
	Oil: Outlet G3/4" (m)
	Inlet G3/4" (m)

Description

High Performance 2:1 Oil Pump

22780

22780



Oil Pump, Heavy Duty

High pressure oil pump for applications requiring higher pressure and higher flow rates. Suitable for connection to a bulk tank or drum. The pump can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids.

Air motor 4 1/2" (115 mm) / 6" (150 mm)

Air pressure	Max 1,2 MPa (12 bar)
Connections	Air: G1/2" (f)
	Oil: Outlet G3/4" (m)
	Inlet G1 1/2" (m)

Description

3:1 Stub pump	120 l/min
6:1 Stub pump	100 l/min
10:1 Stub pump	68 l/min
10:1 Barrel for 205 l drums	68 l/min
6:1 Stub pump	100 l/min
12:1 Stub pump	65 l/min

* Engine oil (SAE 10W30) at 20 °C @ 0,7 MPa (7 bar)

22440
22441
22443
22442
22450
22451

22443



22450



Installation Kit for Heavy Duty Oil Pumps

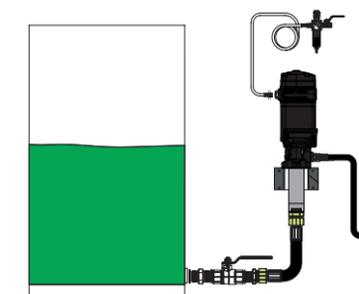
Components for a remote wall mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

99620

Information

Air line hose (48017) 1/2" L= 2 m
Oil line hose (28079) 3/4" L= 1,5 m
Oil suction hose (28090) 2" L= 0,7 m

Note! Pump not included.



Electric Pumps & Air Operated Diaphragm Pumps

Electric Pump for Oil

Electric gear pump, with built in by-pass and pressure switch for controlled oil dispensing. The pressure switch switches the pump on/off automatically when the oil valve is open/closed. Opening pressure 6 bar. (only 52510, 52515 and 52520). Inlet: G3/4" (f) Outlet: G1" (f). Voltage: 230 V, 50 Hz. (52525, 52527: G1" In-Out)

Capacity*	Max dynamic pressure	Max static pressure	Engine power	Pressure switch	Part No
9,5 l/min.	12 bar	20 bar	0,60 kW	Yes	52510
13 l/min.	16 bar	25 bar	0,78 kW	Yes	52515
9,5 l/min.	25 bar	40 bar	0,78 kW	Yes	52520
50 l/min.	8 bar	-	1,50 kW	No	52525
70 l/min.	8 bar	-	2,00 kW	No	52527

* Engine oil (SAE 10W30) at 20 °C



Part No

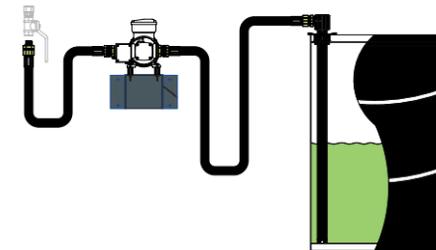
Installation Kit for Electric Pump for Oil

Components for an electric oil pump.

Information

Oil line hose 1,5 m x 3/4"
Drum suction attachment (28310) with 2,0 m hose and 1,0 m tube.

99656



Oil line hose 1,5 m x 3/4"

Drum suction attachment (28311) with 2,0 m hose and 1,7 m tube.

99659

Note! Pump not included.

Air Operated Diaphragm Pump 1:1

Transfer pump for connection to bulk tank or drum.
Double acting air operated pump for transferring oil and non-corrosive liquids.

Pressure ratio 1:1

Capacity
22210 Max 50 l/min., free flow, at 0,7 MPa, (7 bar).
22310 Max 100 l/min., free flow at 0,7 MPa (7 bar).
22330 Max 250 l/min., free flow at 0,7 MPa (7 bar).

Air pressure
0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)

Connections
Air: 22210, 22310 G3/8" (f)
22330 NPSM 1/2" (f)

Oil: 22210 inlet-outlet G1/2" (f)

22310 inlet-outlet G1" (f)

22330 inlet-outlet G1 1/2"

22210

22310

22330



Body	Valves	Diaphragm	Other wetted materials
Aluminium	Acetal	Hytrel®	Teflon®, Viton®, NBR, Stainless steel
Aluminium	Hytrel®	Hytrel®	Teflon®, NBR, Stainless steel
Aluminium	Acetal	Hytrel®	NBR, Stainless steel

98876

Magnetic Feet, Rubber Covered

for mounting the diaphragm pump on steel drums or tanks. Set of 4 pcs.

98876

Installation Kit for Diaphragm Pump

Components for an air operated Diaphragm pump, for 205 l drums and 1.000 l IBC containers.

Information

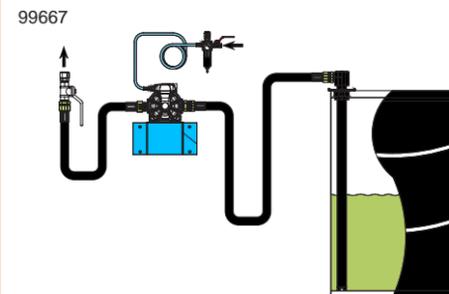
Air line hose (48001) 1/4" L= 1,5 m
Oil line hose (28079) 3/4" L= 1,5 m
Suction hose 28310 L= 2,0 m and suction tube L= 1,0 m
Installation kit for 22210 with air treatment unit
Installation kit for 22210 without air treatment unit
Installation kit for 22310 with air treatment unit
Installation kit for 22310 without air treatment unit

99666

99666

99667

99667



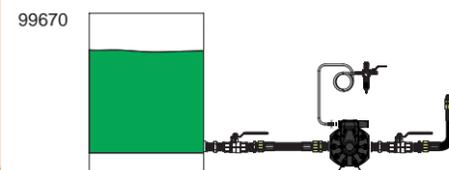
Floor mounted pump installation kit

Air line hose (48017) 1/2" L= 2 m
Oil line hose (28090) 2" L= 0,7 m
Suction hose (28090) 2" L= 0,7 m
Installation kit for 22330 with air treatment unit
Installation kit for 22330 without air treatment unit
Note! Pump not included, ordered separately.

99670

99670

99670



Installation Kits for 227 & 228-Series Pumps

Drum mounted Pump Installation Kit

Components for a drum mounted air operated oil pump (205 l drum or tank).

Information

Air line hose (48001) 1,5 m x 1/4"
Oil line hose (28079) 1,5 m x 3/4"

With air treatment unit
Without air treatment unit

Note! Pump not included.

Part No

99625

99725



Wall mounted Pump Installation Kit

Components for an air operated pump, for 200 l drums and 1.000 l IBC containers.

Information

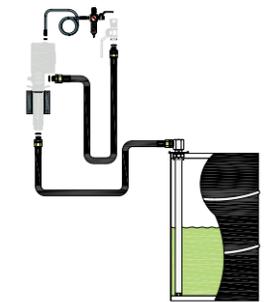
Air line hose (48001) 1/4" L= 1,5 m
Oil line hose (28079) 3/4" L= 1,5 m
Suction hose (28310) L= 2 m and suction tube L= 1 m

With air treatment unit
Without air treatment unit

Note! Pump not included, ordered separately.

99626

99726



Wall mounted Pump Installation Kit

Components for a remote wall mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

Information

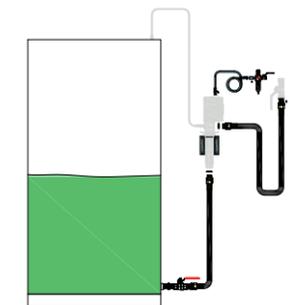
Air line hose (48001) 1/4" L= 1,5 m
Oil line hose (28079) 3/4" L= 1,5 m
Oil suction hose (28078) 1 m hose

With air treatment unit
Without air treatment unit

Note! Pump not included.

99627

99727



Floor mounted Pump Installation Kit

Components for a remote floor mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

Information

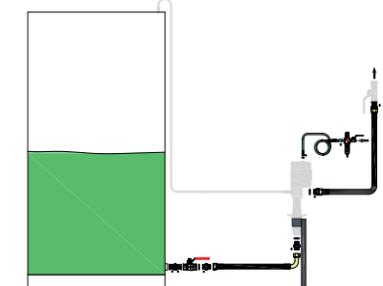
Air line hose (48001) 1/4" L= 1,5 m
Oil line hose (28079) 3/4" L= 1,5 m
Oil suction hose (28080) 1 m hose

With air treatment unit
Without air treatment unit

Note! Pump not included.

99628

99728



Wall mounted Pump Installation Kit

Components for a remote wall mounted air operated oil pump with a tank suction attachment.

Information

Air line hose (48001) 1/4" L= 1,5 m
Oil line hose (28079) 3/4" L= 1,5 m

With Oil suction attachment (28311) 2 m hose and 1,7 m tube.

With air treatment unit
Without air treatment unit

99629

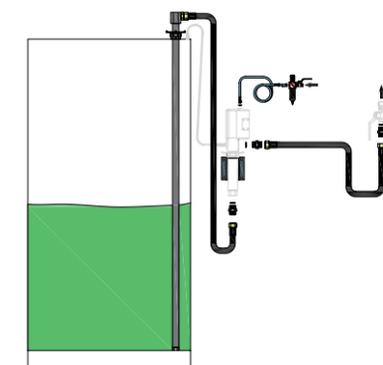
99729

With Oil suction hose (28321) 5 m hose for tank height max. 3 m.

With air treatment unit
Without air treatment unit

99624

99724



Note! Pump not included.

Spring Operated Hose Reels

Series ORK, ORM

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORK	10	12,5 - 1/2"	G1/2" (f)	7,5	75	25132
Series ORM	15	12,5 - 1/2"	G1/2" (f)	7,5	75	25135

Series ORS

Open single arm hose reel made in aluminium with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORS	10	12,5 - 1/2"	G1/2" (f)	7,5	75	25232
Series ORS	15	12,5 - 1/2"	G1/2" (f)	7,5	75	25235

Series ORL

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORL	20	12,5 - 1/2"	G1/2" (f)	7,5	75	25436
Series ORL	15	19 - 3/4"	G3/4" (f)	7,5	75	25455

Series OR

Open hose reel with longer hose lengths, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series OR	20	12,5 - 1/2"	G1/2" (f)	6	60	25336

Series LOR

Open hose reel with steel braided, oil resistant rubber hose.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series LOR	25	12,5 - 1/2"	G1/2" (f)	6	60	25537
Series LOR	20	19 - 3/4"	G3/4" (f)	6	60	25556
Series LOR	15	25 - 1"	G1" (f)	6	60	25565

Series ORB

Extra Heavy Duty open hose reel with steel braided hose.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORB	30	12,5 - 1/2"	G1/2" (f)	6	60	25638
Series ORB	20	19 - 3/4"	G3/4" (f)	6	60	25656
Series ORB	25	19 - 3/4"	G3/4" (f)	6	60	25657
Series ORB	15	25 - 1"	G1" (f)	6	60	25665

Series CRO

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series CRO	10	12,5 - 1/2"	G1/2" (f)	7,5	75	26232
Series CRO	15	12,5 - 1/2"	G1/2" (f)	7,5	75	26235

Part No



Valves and Meters

Hose End Meters

Hose End Meter (mechanical)	complete with swivel, inlet strainer, outlet hose and non-drip nozzle
Hose End Meter (digital)	complete with swivel, inlet strainer, outlet hose, battery and non-drip nozzle
Preset Hose End Meter (digital)	complete with swivel, inlet strainer, battery non-drip nozzle and formable outlet hose

For other meter configurations refer to the Hose End Control section!

Oil Control Valves

Control valves made of aluminum with large flow capacity. Max pressure: 10,5 Mpa (105 bar). Swivel included. Inlet G1/2" (f).

Description

Oil Control Valve without outlet tube	24675
Oil Control Valve with 60° rigid tube and lockable nozzle	24560
Oil Control Valve with hose 90° and lockable nozzle	24561
Oil Control Valve with hose 90° and automatic nozzle	24562
Oil Control Valve with hose 135° and automatic nozzle	24564
Oil Control Valve with straight hose and automatic nozzle	24558

Control Valve

The control valve has an inlet strainer which minimizes the contamination risk. Max working pressure 5 MPa (50 bar), inlet G1/2" (m).

Description

Control Valve	Rigid outlet (24170), non drip nozzle (24527) and swivel (24586).	2468010
Control Valve	Hose outlet (2285346), non drip nozzle (24527) and swivel (24586).	2468050

For other control valve configurations, refer to the Hose End Control section!

High Volume Hose End Meter

High volume oil control valve for high flow of lubricants. Two-valve operation. Lockable trigger. Ball bearing swivel. Rigid outlet with semi-automatic non-drip nozzle. Max working pressure 10 MPa (100 bar), inlet G3/4" (f). Maximum flow rate 70 l/min.

Description

Hose End Meter	Rigid outlet, non drip nozzle	24756
Control Valve	Rigid outlet, non drip nozzle	24567
Control Valve	Hose outlet, non drip nozzle	24568

Drip Holsters

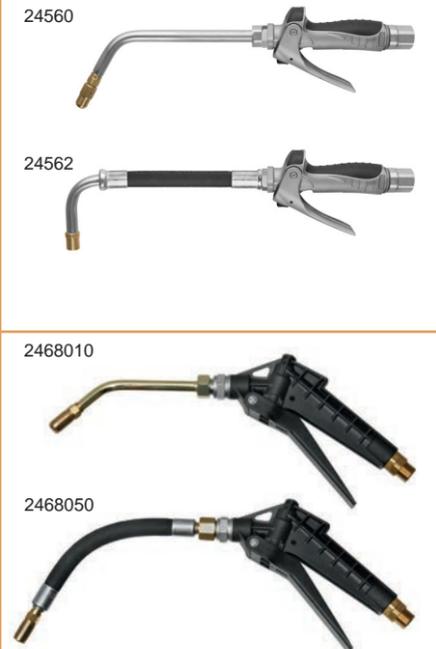
To protect hose end meters and control valves when not in use and to collect any oil drips.

Description

Drip holster	29090
Drip holster	29086
Drip holster	29096
Drip holster for drums	29055

Drip Pans see the Hose Reel section!

Part No



Distribution Kits

Distribution Kit for Drum with Wall Mounted Pump, Enclosed Hose Reel and Hose End Meter

Consisting of pump 22810, hose reel 26232, hose end meter 24785, air treatment unit 42103 and fittings.

Description	Connection Hose length
Distribution kit	2 m
Distribution kit	4 m
Distribution kit	6 m

Part No

 28330
 28331
 28332

Distribution Kit for Drum with Drum Pump, Enclosed Hose Reel and Hose End Meter

Consisting of pump 22815, hose reel 26232, hose end meter 24785, air treatment unit 42103 and fittings.

Description	Connection Hose length
Distribution kit	2 m
Distribution kit	4 m
Distribution kit	6 m

 28335
 28336
 28337


Distribution Kits for 1.000 l Containers

Distribution Kit

1:1 ratio air operated oil pump 22800 mounted on a bracket on the side on the container. The pump outlet is fitted with a shut off valve with hooked outlet nozzle (1,5m) for dispensing directly into measures or containers.

Note! Delivered without the container.

Distribution Kit with Diaphragm pump 22210

Note! Delivered without the container.

Bracket only

Suction hose including connection

Part No

28352

28353

92126

9320120


Distribution Kit

3:1 ratio air operated oil pump 22810 mounted on a bracket on the side on the container. The pump outlet is fitted with a 3 metre 1/2" distribution hose and digital hose end meter 24785.

Note! Delivered without the container.

Distribution Kit with Diaphragm pump 22210

Note! Delivered without the container.

Bracket only

28354

28355

92126


Distribution Kit

3:1 ratio air operated oil pump 22810 mounted on a bracket on top of the container. Supplied with a 10 metre 1/2" hose reel 25132 and digital hose end meter 24785.

Note! Delivered without the container.

Bracket only

28356

92128

Contact us for other configuration options!



Tank Kits

Fresh Oil Tank 1.500 I, for Indoor Location

The tank comes with hose reel (26232), pump (22810), meter (24785) and the necessary hoses and tank connections.

Description

Without protection reservoir.
With protection reservoir.

Note! The tanks are supplied for self assembly.

Part No

SPEC2304
SPEC2305

SPEC2305



Fresh Oil Tank in Plastic with Sheet Metal Protection 1.500 I, for Indoor Location

The tank is supplied with hose reel (26232), pump (22810), hose end meter (24785) and necessary hoses and connections.
The tank must be installed according to valid rules.

Tank accessories kit, fresh oil
Tank accessories kit, waste oil

Only tank, 1.500 I
Only tank, 1.000 I

Note! The tanks are supplied for self assembly.

SPEC2307

99430
9943192095
92096

Oil dispenser for 200 I Drums

Consisting of an oil pump 22815, 3 metre 1/2" distribution hose with hose end meter 24785.

28340



Mobile Oil dispenser with safety trolley

Consisting of an oil pump 22815, hose reel 25132 with hose end meter 24785 and safety trolley 28350..

22159



Mobile Oil Dispensers, Air Operated

De-luxe Mobile Oil Dispensers for 20 and 60 I Drums

Consisting of a pump, fitted to the lid of a protective container, oil hose and oil control valve. The container is mounted on a trolley fitted with two large rubber wheels and two swivel castors.

Oil pump/pressure ratio.	For drum	Max. drum-diameter	Length oil hose	L x W x H (mm)
22805/1:1	60 l	Ø 405 mm	3 m	650 x 510 x 1.280
22800/1:1	20 l	Ø 320 mm	2 m	400 x 400 x 800
Hand pump				
21650	60 l	Ø 405 mm	1,5 m	650 x 510 x 1.280
21650	20 l	Ø 320 mm	1,5 m	400 x 400 x 800

Accessories:

Description	For De-Luxe	Dimension
Empty 60 l drum	26006, 26016	Ø 365 x 680 mm
Empty 20 l drum	25006, 25016	Ø 295 x 375 mm

Part No

26016
250162345386
1825106

26016

26006

25006

22052

22153

22154

22158



Mobile Oil Dispensers for 60 I Drums

Consisting of an oil pump 22819, 3 metre 1/2" distribution hose with hose end meter and drum trolley.

Description	Dimension (W x D x H)	Del. with trolley	Hose end meter
Oil dispenser	450 x 620 x 1.200 mm	28528	24700
Oil dispenser	450 x 620 x 1.200 mm	28528	24785
Oil dispenser	500 x 450 x 1.250 mm	28526	24785

22052
22152
22153

Mobile Oil Dispensers for 200 I Drums

Consisting of an oil pump 22805, 3 metre 1/2" distribution hose with hose end meter and drum trolley.

Description	Dimension (W x D x H)	Del. with trolley	Hose end meter
Oil dispenser	800 x 620 x 1.200 mm	28645	24785
Oil dispenser	800 x 620 x 1.200 mm	28276	24785

22154
22155

Mobile Oil Dispensers for 200 I Drums

Consisting of an oil pump 22815, 10 metre 1/2" hose reel 26232 with hose end meter and drum trolley.

Description	Dimension (WxDxH)	Del. with trolley	Hose end meter
Oil dispenser	800 x 620 x 1.200 mm	28645	24785

22158



Mobile Oil Dispensers

Mobile Oil Dispenser

Air operated oil dispenser, comprising of a steel container with G2" (f) pump mounting thread, fitted with a compressed air connection and pressure gauge, Ø 30 mm filler hole, sight gauge and two Ø 100 mm wheels. Pre-load the container with compressed air 0,3-0,7 MPa (3-7 bar), and the dispenser can be used without permanent connection to air pressure. Max. admissible tank capacity is 3/4 of total capacity. Complete with 1,2 m hose and oil control valve 24558 or digital meter 24785.

Description	Volume	Dim. (L x W x H)
Oil dispenser with control valve	approx. 24 l	350 x 380 x 780 mm
Oil dispenser with digital meter	approx. 24 l	350 x 380 x 780 mm

Spare parts:

Lid
Gasket for lid
Pressure gauge
Safety valve

Part No

21076
210772395093
2395092
2315312
2315311

21076



Mobile Oil Dispenser

Mobile steel container with G2" (f) pump mounting thread, Ø 30 mm filler hole, sight gauge and two Ø 100 mm (4") wheels. Complete with hand operated oil pump, 1,2 m hose and with an outlet tube.

Description	Volume (approx.)	Capacity (approx.)	Dim. (mm) L x W x H
Mobile oil dispenser	24 l	0,1 l/stroke*	350 x 380 x 780

* Engine oil, +20 °C.

21067



Mobile Oil Dispensers for 20 and 60 l Drums

Trolley (28528) with chain for holding 60 l drums with two Ø 155 mm wheels. Pump delivered with 1,5 m outlet hose and hooked outlet nozzle.

Description	Dimension (W x D x H)	Pump
Oil dispenser	450 x 230 x 1.200 mm	21650
Oil dispenser	450 x 230 x 1.200 mm	21506

Strap 1,5 meters long for small kegs

21656
21507

40801327

21656

21507



Mobile Oil Dispenser for 60 l Drums with Heavy Duty Trolley

Trolley (28526) with tubular drum support and a clamp screw for fixing the drum, two Ø 75 mm swivel castors and two Ø 200 mm wheels. Pump (21650) delivered with 1,5 m outlet hose (28569), shut-off valve and hooked outlet nozzle.

Description	Dimension (W x D x H)	Del. with trolley
Oil dispenser	500 x 450 x 1.060 mm	28528

21658



Mobile Oil Dispenser for 205 l Drums

Consists of a hand operated oil pump (21503), 1/2" oil hose (1,5m) with 135° angled spout, valve and drum trolley.

Description	Dimension (W x D x H)	Del. with trolley
Oil dispenser	450 x 620 x 1.200 mm	28645

21504



Mobile Oil Dispensers, Oil Bar

Portable Oil Dispensers

Portable oil pump fitted to a 16 l container with carrying handle. Supplied with a 1,5 m hose and angled outlet tube.

Description	Container	Dimension (L x W x H)	Capacity (approx.)*	Weight (approx.)
Oil dispenser	OriCan	400 x 150 x 630 mm	0,04 l/stroke	5,0 kg
Oil dispenser	OriCan	400 x 150 x 900 mm	0,1 l/stroke	5,0 kg
Oil dispenser	OriCan	400 x 150 x 900 mm	0,15-0,25 l/stroke	5,0 kg
Oil dispenser	Oval steel	380 x 170 x 700 mm	0,1 l/stroke	7,85 kg
Oil dispenser	Round steel	490 x 240 x 730 mm	0,13 l/stroke	6,5 kg

* Engine oil, +20 °C.

Part No

21574
21578
21670
21066
21065

Oil Dispensing Valve for Pump Installation

The valve is mounted directly on the pump outlet. To be used for filling of measures and cans.

Description	Connection thread
Oil dispensing valve	G3/4"

Note! Order pump separately!

24516



Oil Bar

Oil dispensing bar for 1 to 4 products. Delivered with 1 valve 24509 for 1 product. Can be fitted with up to 4 valves for 4 different products.

Description	Dimension (W x D x H)	Connection thread
Oil dispensing bar	460 x 300 x 580 mm	G1/2"

Extra valve kit	G1/2"	24509
Extra valve kit (stainless steel)	G1/2"	54509

24135



Hand Operated Pumps

Rotary Pump for Oil

Rotary pump made of cast iron with Ø 26 mm outlet pipe and G2" (m) bung adapter.

Description	Suction tube length	Suction tube diam.	Capacity (approx.)**	Weight (approx.)
Rotary pump	900 mm tube in 3 sections	Ø 32 mm	0,25 l/turn	5,1 kg

** Engine oil, +20 °C.

Rotary Pump for Oil, Water Based Fluids and Other Chemicals

Rotary pump made of PVC with Ø 27 mm outlet pipe and G2" (m) bung adapter.

Description	Suction tube length	Suction tube diam.	Capacity (approx.)**	Weight (approx.)
Rotary pump	900 mm tube in 3 sections	Ø 44 mm	0,3 l/turn **	1,8 kg

** Engine oil, +20 °C.

Drum Pump

For transfer of oil and non corrosive fluids from 60 l (110 lbs) and 205 l (400 lbs) drums. Made of aluminium and steel with Nitrile seals, rigid outlet pipe, bung adaptor and telescopic suction tube. Capacity 0,45 l/stroke (0.12 US G/stroke) approx. 16 l/min. (4 1/4 US G/min.)

Description	For drum	Capacity (approx.)**
Drum pump, telescopic	60 to 200 l	0,45 l/stroke

** Engine oil, +20 °C.

Drum Pump

Medium pressure lever pump for high viscosity lubricants. For transfer of oil and non corrosive fluids from 20 l and 205 l (400 lbs) drums. Made of steel with Nitrile seal and rubber hose (1,5 m) with angled spout and valve. Suction tube diameter Ø 36 mm.

Description	For drum	Capacity (approx.)**
Drum pump with outlet hose	20 l	0,1 l/stroke
Drum pump with outlet hose	60 l	0,1 l/stroke
Drum pump with outlet hose	200 l	0,1 l/stroke
Outlet hose, 1,5 meters, with 135° angled spout and valve		

** Engine oil, +20 °C.

Gear Oil Pump for 20 - 25 l Containers

Lift pump for high viscosity lubricants. For transfer of oil and non corrosive fluids from 20 to 25 l containers. Made of steel and plastic with nitrile seals, delivered with a rubber hose (1,5 m) with angled spout and valve. G2" (m)

Description	For drum	Capacity (approx.)
Gear oil pump w hose	20 - 25 l	0,2 l/stroke
Gear oil pump w hose	Mobil 20 l	0,2 l/stroke

** Engine oil, +20 °C.

Part No

21205

21200

21012

21500

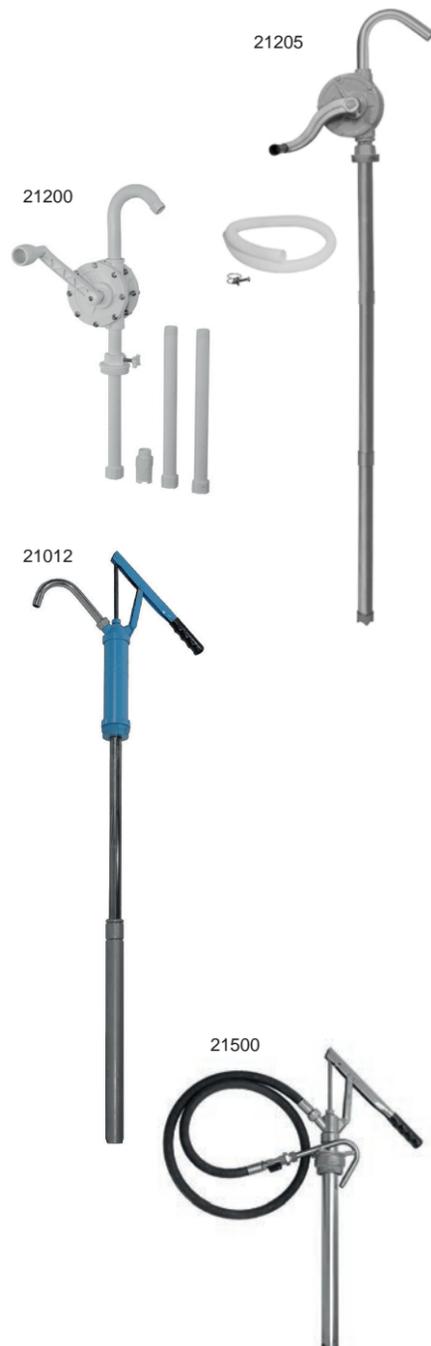
21506

21503

24599

21023

21038



Drum Pumps

Pump with a telescopic (500-900 mm) suction tube. The lever can be mounted in different positions to change the stroke length and output. Delivered with a bung adapter G2" (m). Capacity 0,15 to 0,25 l/stroke.

Pump only, outlet thread G 1/2" (m) with telescopic suction tube
 Pump with outlet hose 1,5 m (24599) and hooked outlet nozzle
 Pump with In-Line Meter (24795) for mounting between the pump and outlet hose 1,5 m (24599) with hooked outlet nozzle
 Only hose
 Telescopic suction tube

Drum Pumps

Made in Polypropylene with a steel shaft and Nitrile rubber seals. The lever can be mounted in 3 different positions to change the stroke length and output capacity, see below. Delivered with telescopic suction tube, G2" and G1 1/2" bung adapter. Suction tube length 340-900 mm, diameter 40 mm.

Description	Colour	Capacity (Engine oil 20 °C)
Drum pump	black/blue	0,3 to 0,45 l/stroke
Drum pump	black/green	0,3 to 0,45 l/stroke

Drum pump with telescopic suction tube made of polypropylene with Nitrile rubber seals. G2" (m) bung adapter and outlet with 1" hose barb for max. 2 m open end hose. Suction tube length 350-980 mm.

Description	Colour	Capacity (Engine oil 20 °C)
Drum pump	black/white	0,5 l/stroke

Drum pump with telescopic suction tube. Made of polypropylene and polyethylene with Nitrile rubber seals. G2" (m) bung adapter and outlet with 3/4" hose socket for max. 2 m long hose with open exit. Suction tube length 480-950 mm, Ø 27 mm

Description	Colour	Capacity (Engine oil 20 °C)
Drum pump	black/blue	0,3 l/stroke

Hand Operated Diaphragm Pump

For transfer of different fluids. The pump can be used for drums (with a special adapter kit included in 21221) or wall mounted. Lot of different fluids can be transferred, even contaminated fluids.

Description	Capacity (Engine oil 20 °C)
Diaphragm pump, bare pump.	25 l/min.
Diaphragm pump with accessories	25 l/min.

Drum Adapters and Accessories

Description	Information	
Adapter*	G2" (f) - Trisure Ø 55 mm, pitch approx. 4 mm (m)	28235
Adapter	G2" (f) - Multi adapter with locking screw Ø55-65 mm(f)	28236
Adapter	G2" (f) - Midland	28234
Adapter	G2" (f) - Mauser Ø 68 mm, pitch approx. 6 mm (m)	28238
Adapter*	G2" (f) - Berg Ø 53 mm, pitch approx. 3,5 mm (f)	28239
Adapter	G2" (f) - DIN 70 (f) pitch approx. 6 mm	2310035
Adapter	G2" (f) - DIN 61 (f) pitch approx. 5 mm (IBC)	2310034
Adapter	G3/4" (f) - Trisure Ø 55 mm, pitch 4 mm (m)	2310037
Adapter	G3/4" (f) - DIN 70 (f) pitch approx. 6 mm	2310038
Adapter	DIN 61 suits the most IBC containers - Hose tail 25 mm (1")	28339
Adapter	G2" (f) - DIN 63 (f)	2310044

* For 21210 and 21211.

Hand Operated Pumps

Part No

21650
2165221662
24599
201525921210
21211

21130

21022



21221

21220
21221

28235

28236

28234

28238

28239

2310035 / 2310034

2310035

2310034

2310037

2310038

28339

2310038

28339

2310044



Hand Operated Pumps

Drum Pump

Drum pumps made of Polypropylene or Nylon 6. G2" (m) bung adapter.

Description	Suction tube	Material in contact with the liquid	Part No
	Length		
Drum Pump	1.000 mm	Nylon 6	21027
Drum Pump	500 mm	Nylon 6	21047
Drum Pump	1.000 mm	Polypropylene	21028
Drum Pump	500 mm	Polypropylene	21048

Manual Syphon Pumps

Manual operated syphon pump with a polyethylene suction tube, made for different container sizes.

Description	Container	Tube length	Capacity	Part No
Suction operated	25 l	390 mm	6,5 l/min.	21230
Piston operated	60 l	590 mm	10 l/min.	21231
Piston operated	200 l	850 mm	18,5 l/min.	21232

Battery Operated Pump

For transferring non-corrosive liquids. Simple push button operation, capable of pumping approx. 9 l/min. Ideal for transferring fluids from drums and 20 l jerry cans/ containers, etc. as well as being suitable for diesel, kerosene, light oils, water. Total length of the pump is 580 mm, suction tube of 380 mm & discharge hose of 600 mm. Powered by 2 'D' sized batteries.

21235

Electrical Transfer Pump

For transfer of non corrosive fluids from drums or tanks. The pump can be used for the following fluids: diesel, mineral and synthetic oil, motor oil, antifreeze, water based fluids, etc. The pump include complete kit of accessories.

Description	Voltage	Power	Capacity	Part No
Transfer pump	230 V - 50 hz	200 W	40 l/min.	53720

Spare parts:
Impeller

5330005

Suction Pumps

For filling and emptying of small containers, gear boxes etc.

Description	Volume	Part No
Suction pump	500 cm ³	21040
Suction pump	800 cm ³	21044

Hand Pump

Simple hand pump. The nozzle is pressed against the fitting. Made of zinc coated steel.

Description	Volume	Dimensions	Part No
Hand Pump	150 cm ³	Ø 44 x 245 mm	21019

Lever Hand Pump

Outlet tube with hydraulic coupling included.

Description	Volume/stroke	Dimensions	Part No
Lever Hand Pump	1,8 - 2,0 cm ³	310 x 160 x 90 mm	21046

Part No



Drum Taps, Oil Cans, Measures etc.

Drum Taps

Drum Tap for horizontal oil drums.

Description	Material	Conn. thread	Part No
Drum Tap, push valve	Aluminium, Nitrile rubber	G2" (m)	24506
Drum Tap, ball valve	Brass	G3/4" (m)	24626
Drum Tap, ball valve	Brass	G3/4" (m)	24627
Drum Tap, ball valve	Stainless steel, Teflon	G3/4" (m)	24580

Drum Taps in Plastic

Drum taps for oil containers

Description	Part No	
Drum tap	DIN45 mm, pitch 4 mm	24517
Drum tap	Ø 34 mm, pitch 3 mm	24579
Drum tap	Ø 56 x 4 mm, Trisure	24593
Drum tap	DIN71 mm, pitch 6 mm	24594
Drum tap	DIN63 mm, pitch 4 mm	24595
Drum tap	DIN61 mm, pitch 6 mm	24596
Drum tap, brass	DIN71 mm, pitch 6 mm	24628

Oil Cans

Description	Volume	Part No
Oil can, with rigid outlet tube	0,30 l	21614
Industry		
Oiler with Double Pump	0,30 l	21613
it is designed to dispense oil in any position.		
Oiler with Flexible metal hose 200 mm	0,30 l	21615
Oiler with Brush Nozzle, the brush enables the operator to put a thin oil film on surfaces.	0,30 l	21616
Multi Purpose Oiler with Lockable Nozzle		
Multi Purpose Oiler with Lockable Nozzle	0,125 l	21646
Multi Purpose Oiler with Lockable Nozzle	0,25 l	21647
Multi Purpose Oiler with Lockable Nozzle	0,5 l	21648

Plastic Measures

Measuring jugs with handle, made of heavy Polyethylene, resistant to oil, gasoline and chemicals.

Description	Volume	Part No
Liquid measure	1 l	21625
Liquid measure	2 l	21626
Liquid measure	3 l	21657
Liquid measure	5 l	21627

Tin Measures

Measuring jugs with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

Description	Volume	Part No
Liquid measure	0,5 l	21636
Liquid measure	1 l	21637
Liquid measure	2 l	21638
Liquid measure	5 l	21667
Liquid measure	10 l	21668
Liquid measure	20 l	21669

Calibration Measure

To be used when meters must be calibrated.

Description	Volume	Part No
Calibration Measure	2 l	4342000

Part No



Measures, Funnels & Wash/Oil Drain Bowls

Graduated Measures

Measures moulded from high quality plastic in various sizes as a set.

Description

7 measures 0.1, 0.25, 0.5, 1.0, 2.0, 3.0 & 5.0 l

Part No

21609



Oil Containers

Container with handle, made of heavy polyethylene. Filling hole with lid and capped nozzle

Description

Description	Volume
Oil Container	6 l
Oil Container	10 l

21644
21645

Funnels

Funnels with handle, made of chemical resistant Polyethylene with splash rim and removable brass strainer.

Description

Description	Volume
Funnel with straight spout	1,3 l
Funnel with spout off-set approx 180 mm	1,3 l
Funnel kit (Ø 65, 75, 100 och 120 mm)	0,05-0,27 l

21630
21631
21633

Anti-splash Funnel

Description

Ø 190 mm funnel with anti-splash rim, filter and flexispout.
Ø 230 mm funnel with anti-splash rim, filter and flexispout.

21632
21605

Garage Funnel

Description

300 mm garage funnel with filter.
300 mm garage funnel c/w diesel/water separator filter.

21606
21607

Tin Funnels

Funnels with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

Description

Description	Dimension
Tin funnel	Ø 160 mm
Tin funnel	Ø 200 mm
Threaded spout	300 mm

21628
21634
21629

Oil Drain & Parts Cleaning Pan

Handy oil drain & parts cleaning pan for washing small parts or for oil drain. Made of oil and chemical resistant polyethylene.

Description

Oil Drain & Parts cleaning pan with 8 ls capacity.	21635
Oil Drain & Parts cleaning pan with 14 ls capacity. Black	21619
Oil Drain pan with 8 l capacity. Black	21509
Oil Drain extra low 6 cm pan with 20 ls capacity.	21664

21635
21619
21509
21664

Garage kit

Includes the most commonly used measures, funnels, container and oil drain.

21610



Installation Accessories

Air Treatment Units

Description

Air Treatment Unit

Conn. thread

G1/4" (f)

Consist of:

42107, 42009, 42110, 301296

Part No

42103

Accessories:

Bracket for Air Treatment Unit mounted on top of 22750-60 series pumps.
Air hose for Air treatment unit

2026154
2226155

2026154



42103



2226155



Air Line Hoses

For connection of pump to main air line, made of braided PVC, max. working pressure 1,5 MPa (15 bar), swaged couplings; one with swivelling nut and connection adapter (male/male).

Description

Description	Hose Diameter	Length	Conn. thread
Air line hose	1/4" i.d.	1,5 m	G1/4" (m)
Air line hose	1/4" i.d.	3 m	G1/4" (m)
Air line hose	3/8" i.d.	1,5 m	G3/8" (m)
Air line hose	3/8" i.d.	3 m	G3/8" (m)
Air line hose	1/2" i.d.	2 m	G1/2" (m)

48001
480013M
48002
480023M
48017

48001



Bung Adapters

With split collars for pump tube diameters shown below.
G2" (m) thread for drum or drum covers.

For pump tube diameter

For pump tube diameter	Fits Orion pump models
32	22710, 22715, 22760, 22762
34	22810, 22815, 22819
35	For hose
50	22700, 22705, 22720, 22725, 22750, 22752, 22772
52	22800, 22802, 22805, 22820, 22825
54	22770, 22775

28585
28594
28587
28595
28592
2125753

28585



29057



Dust cover for drum adapter

29057

Wall Brackets and Floor Stands

For mounting of pump.

Description

Wall bracket G2" (f)
Floor stand G2" (f)
Wall bracket for Heavy Duty Pumps
Floor bracket for Heavy Duty Pumps
Wall bracket for Diaphragm Pumps 1/2"
Wall bracket for Diaphragm Pumps 1"

28524
28506
28670
28671
28553
28552

28506



28524



28553



Drum Cover Protection (205 l Drums)

Keeps drum cover and surroundings clean.

No/box	Diam.	Absorbing capacity
25	Ø 56 cm	2 l/sheet
1	Ø 56 cm	2 l/sheet

34007
34008

Pressure Relief Valve

For protection of equipment against system pressure increase due to heat expansion. (1 °C increase in temperature can cause 1,0 MPa, 10 bar increase in system pressure). Our 3:1 and 5:1 oil pumps are fitted with a pressure relief valve as standard.

Description	Information	Material	Part No
Pressure relief valve	Releases pressure at 6 MPa (60 bar), with the possibility to connect a 1/4" hose or R1/8" fitting.	Steel	28623
Pressure relief valve	Releases pressure at 6 MPa (60 bar), with the possibility to connect a 1/4" hose or R1/8" fitting.	Brass	28625
Banjo fitting	G 3/4" (m/f) and G1/4" (f) to fit the PRV to pumps without special PRV connection	Steel	28629

Part No

28623



28629



Pressure Relief Hoses

Description
 Made of PVC to connect the PRV to a drum, L = 1,5 m, no fittings.
 Made of PVC to connect the PRV to a tank, L = 3 m, with fittings.

28637
28638

28637



28638

Distribution Hoses for Oil

Nitrile rubber hoses, 1/2" i.d. steel braided, PN 13,8 MPa (138 bar), swaged couplings G1/2" swivelling nuts, incl. two connection adapters, G1/2" (m) - G3/4" (m). Other lengths are available upon request.

Description	Length	Part No
Distribution hose	2 m	28009
Distribution hose	3 m	28010
Distribution hose	4 m	28011
Distribution hose	5 m	28012
Distribution hose	6 m	28013
Distribution hose	8 m	28015



Connection Oil Hoses

Connection hose of Nitrile rubber, wire braided, swaged couplings with swivelling nuts and adapter.

Description	Part No
Tank connection hose, Length 1,0 m, with one straight coupling, G1".	28078
Tank connection hose, Length 1,0 m, with one straight and one 90°-angle coupling, G1". Mainly used with pumps mounted in floor stands.	28080
Oil connection hose, Length 1,5 m, with two straight couplings, G1" and G3/4"	28079
Tank connection hose, Length 2,5 m, with one straight and one 90°-angle coupling, G3/4". Mainly used with pumps mounted in floor stands.	28272
Tank connection hose, Length 0,7 m, with two straight couplings, G2"	28090

28078



28080



28079



28090



Drum Suction Attachments

Riser tube with foot valve and G2" bung adapter, hose 3/4" i.d., with swaged couplings G3/4" swivelling nut incl. adapters, G3/4" (m). Suction tube diameter for 28310 and 28311 Ø 42 mm.

Riser tube length	Hose dim.	Hose length
1,08 m	3/4"	2 m
1,7 m	3/4"	2 m
-	1"	5 m (max tank height 3 m)

Part No

28310

28310
28311
28321

28321



Oil Filters

For mounting in pipe lines to prevent damage due to contamination. Body of aluminium.

Description	Conn. thread	Strainer rating	Max pressure	Part No
Oil filter	G3/4" (f)	20 µm	6 MPa (60 bar)	24661
Oil filter	G3/4" (f)	10 µm	6 MPa (60 bar)	24662
Cartridge for 24661		20 µm		2345892
Cartridge for 24662		10 µm		2345893



Oil Strainers

For mounting in pipe lines to prevent meters being damaged due to contamination. Washable cartridge of stainless steel. Max 5 MPa (50 bar).

Conn. threads	Strainer rating	Body material	Dimensions	Part No
G1/2" (f)	200 µm	Brass		28022
G3/4" (f)	200 µm	Brass		28059
In G3/4" (f) - Out G1/2" (f)	25 µm	Aluminium	Ø 60 x 111 mm	24583

28022 / 28059

24583



Installation Accessories

Hose Storage Rack

Designed for max. 30 m x 1/2"-hose, made of round iron, finished with brown epoxy lacquer.

Two fixing holes Ø 6 mm for wall mounting.

Dimensions: approx. 200 x 300 x 120 mm (W x H x D).

Part No

28251



Hose Storage Brackets

Description

A wall mounting bracket for storage of hoses, tools etc. Two fixing holes Ø 5 mm.

For fixing to the wall to support hoses that otherwise would interfere with the work area. Two fixing holes Ø 5 mm.

6027

28185

6027

28185



Level Gauge

Level gauge with a litre scale for exact measurement of all types of fluids in drums. The gauge fits in the 3/4" hole of the drum. Easy to install.

Description

Level gauge

29120





3 Waste Oil

Air Operated Pumps	48
Electric Vacuum Systems	51
Hose Reels	52
Pit Systems.....	53
Pit Platform & Lift.....	54
Waste Oil Containers and Trolleys	55
Suction Units, Hand Operated Pumps.....	58
Air Operated Vacuum Pump.....	59



Suction & Waste Oil Pumps

Suction & Waste Oil Pumps 1:1 & 5:1

Double acting, air operated oil pumps for non-corrosive liquids, waste oil etc. For wall or floor installation. The pumps are designed to create maximum vacuum and will not rush when there is no liquid in the suction side. Recommended when you can't control the pumping process or when using suction probes. **In other cases use the standard oil pumps (Refer to the oil section).** Bung adapter G2" (m) included (part no 28595).

Pressure ratio	1:1 5:1
Capacity	22802 Max 18 l/min., free flow at 1,0 MPa (10 bar) 22575 Max 38 l/min., free flow at 1,0 MPa (10 bar)
Air pressure	Max 1 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Inlet G3/4" (f) Outlet G1" (f)

Part No

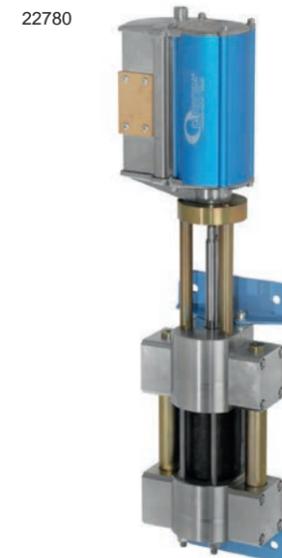
22802
22575

Suction & Waste Oil Pump 2:1

Double acting, air operated oil pump for non-corrosive liquids, waste oil etc. For wall installation. The pump is designed to create maximum vacuum and will not rush when there is no liquid in the suction side.

Pressure ratio	2:1
Capacity	Max 60 l/min., free flow at 1,0 MPa (10 bar)
Air pressure	Max 1 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Inlet G3/4" (f) Outlet G3/4" (f)

22780



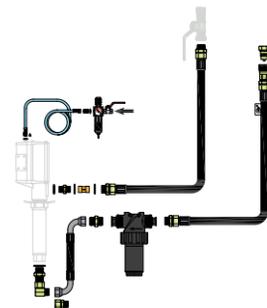
NOTE! Do not use for volatile or highly inflammable liquids like petrol (gas).

Wall Mounted Pump Installation Kit

Components for a wall mounted air operated oil pump, non return valve (28295) included.

With air treatment unit and oil filter (29300)
Without air treatment unit and oil filter

NOTE! Pump not included.
Select a pump 22800, 22802 or 22575.

99631
99731

Floor Mounted Pump Installation Kit

Components for a floor mounted air operated oil pump, non return valve (28295) included.

With air treatment unit and oil filter (29300)
Without air treatment unit and oil filter

NOTE! Pump not included.
Select a pump 22800, 22802 or 22575.

99632
99732

Air Operated Diaphragm Pump 1:1

Transfer pump for connection to bulk tank or drum.
Double acting air operated pump for transferring oil and non-corrosive liquids.

Pressure ratio 1:1	
Capacity	Max 100 l/min., free flow at 0,7 MPa (7 bar).
Air pressure	0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)
Connections	Air: G3/8" (f) Oil: inlet-outlet G1" (f)

Magnetic Feet, Rubber Covered

for mounting the diaphragm pump on steel drums or tanks. Set of 4 pcs.

Part No

22320



Body	Valves	Diaphragm	Other wetted materials
Aluminium	NBR	NBR	Teflon®, Stainless steel

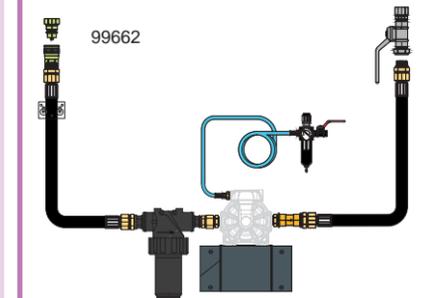
Wall Mounted Diaphragm Pump Installation Kit

Components for a wall mounted air operated diaphragm pump, non return valve (28295) and strainer included.

Installation kit for 22320 with air treatment unit and oil filter (29300)
Installation kit for 22320 without air treatment unit and oil filter

NOTE! Pump not included.

98876

99662
99762

Waste Oil Suction Kit with Suction Probes and Hose Reel (6 m)

Complete kit to drain waste oil using probes. The kit includes the following: hose reel 36241, suction pump 22802, wall bracket, quick coupling with suction probes 2295014, suction strainer with vacuum gauge and air quick coupling. Capacity when using Ø 8 mm suction probe (engine oil +60 °C): 2 l/min.

Description
Waste oil suction kit with suction probes and hose reel

Probe bracket with quick coupling and suction probes, to be mounted on the wall

SPEC6044

2295014



Waste Oil Suction Unit

Stationary waste oil suction unit with air operated piston pump. The unit is installed at the service bay and enables the cleanest method of waste oil collection. An air operated piston pump sucks out the waste oil and transfers it directly to a remote storage tank. Waste oil is sucked out through a probe or connector inserted in place of the oil dip stick. Suction hose length 4 m. Dimensions: 1400 x 500 x 280 mm.

Description
Waste oil suction kit with suction probes

39715



Pump Timer

With the timer installed in the air supply line it is possible to set a run time for the pump, to increase the lifetime of the pump, by reducing the time when the pump is running without liquid. The timer can be set between 0 - 120 minutes.

Description	Connection Threads	Max. pressure	Weight
Pump timer	In: G1" or G3/4" or G1/2"(f) Out: G3/4" (m)	8 bar	0,2 kg

Part No

23008



Non Return Valve

Connects to the pump outlet. Connection G3/4" (f).

28295



Bracket

Bracket to keep the waste oil hose off the floor.

28325



Suction Strainer for Waste Oil

The polypropylene strainer housing is resistant to most fluids used in a modern car workshop and equipped with a 32 mesh stainless steel filter cartridge. (Equivalent to ~0.6 mm perforations). The filtration is sufficient to prevent harmful particles from entering the pump and the washable strainer should be cleaned regularly to remove any contamination. The two 1/4 BSP (f) threads on the top of the strainer can be used to attach vacuum gauges. The strainer is delivered without a hole down to the strainer chamber. When attaching a vacuum gauge a Ø 3 mm hole must be drilled in the bottom of the 1/4 BSP port. Attaching two vacuum gauges will indicate the pressure drop over the cartridge.

Max work pressure:	20 Bar
Max vacuum:	-1 Bar (100% vacuum)
Max working temperature:	+80 °C (temporary +100 °C)
Dimension:	H x W x D 280 x 146 x 92
Weight:	~1 kg
Effective strainer area:	115 cm ²
Connection thread:	1 1/4" BSP (f)

Description

Suction Strainer
Vacuum Gauge
Lock nut for gauge. Used to lock the gauge in a readable position
Extra strainer insert, 32 mesh

Spare o-ring for the strainer)

Installation kit for connection direct to the pump foot valve on suction pumps 1:1 and 5:1, including following components. A, B, C, D, G (H and I).

Installation kit if the strainer is installed remote from the pump. A hose will be required including following components. A, B, C, E, F, G (H och I).

Installation kit, for connecting direct to the 2:1 ratio suction pump including the following components: pos. C, D, G (H och I).

29300

2326013

1988211

2390169

2390178

2490171

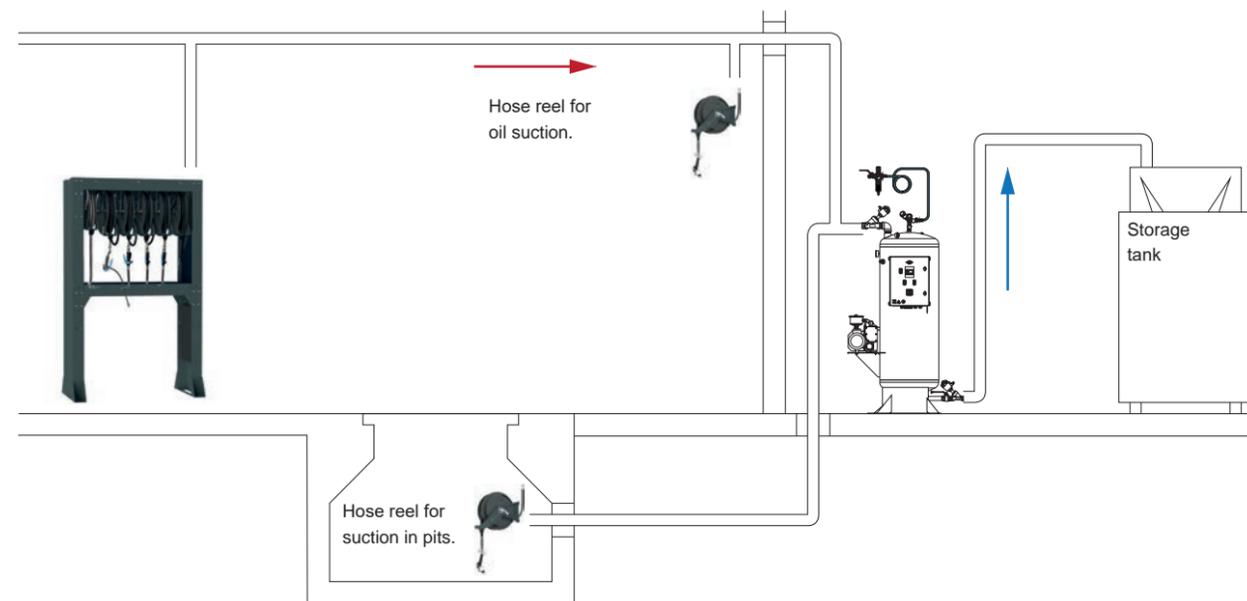
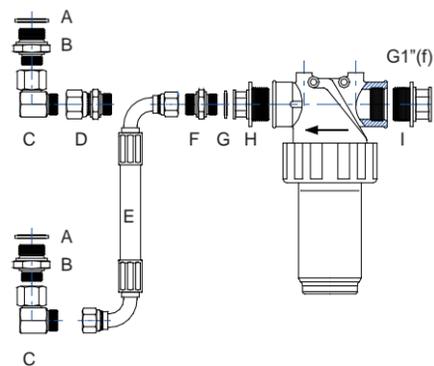
2490172

2490173

Gauges
2326013 not included



29300



Automatic Vacuum units for up to 8 Work Places in Simultaneous Use

High Vacuum automatic unit for use in centralized waste oil suction systems in large vehicle maintenance workshops. The unit is easy to install and does not require any special on site adjustments. It simply requires connecting to a compressed air supply (8 bar maximum pressure) and to a 220 - 240 V (29726) or 400 V (29736) power supply, once the unit is connected to the waste oil storage tank pipeline and the vacuum line have been.

- Vacuum reservoir is discharged by pressure once it is full with waste oil.
- The unit includes two level sensors that control the automatic discharge of the reservoir to a remote storage tank. Once the discharge is completed, the unit automatically generates the optimal vacuum conditions again.
- Maximum vacuum in reservoir: 99%.
- Electronic control board for controlling main functions and manual discharge knob.

The units are designed and manufactured for use with waste oil only.

Vacuum unit for 1 to 4 work places

80 l vacuum reservoir that is automatically discharged to the storage tank. Includes control box.

Dimensions:	857 x 670 x 1.462 mm
Power:	0,4 kW
Electric connection:	230 V
Noise level:	62 dBA

Vacuum unit for 2 to 7 work places

500 l vacuum reservoir that is automatically discharged to the storage tank. Automatic start/stop by pressure control.

Dimensions:	1.200 x 1.050 x 2.100 mm
Power:	0,75 kW
Electric connection:	400 V
Noise level:	62 dBA



Part No

29726



29736



29726

29736

Hose Reels for Waste Oil Suction

Hose Reel for Waste Oil Suction

Open hose reel, series ORK. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series ORK	3/4"	6 m

Part No

34442

Hose Reel for Waste Oil Suction

Open hose reel, series ORS. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series ORS	5/8"	6 m

34462

Hose Reel for Waste Oil Suction

Cased hose reel, CRO Series. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series CRO	5/8"	6 m

34452

Accessories for Waste Oil Suction

Description
 Probe Kit comprising a probe holder, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.200 mm long plastic probe Ø 8 mm.

Suction Hose, to be connected to the hose reel, 0,7 m, with strainer (29312) and used together with probe kit 2295014 (Mercedes adapter included).

Same suction hose but without accessories.

Suction Strainer, to be connected between the hose reel and the suction hose, to prevent contamination entering to the hose and pump.

For optimum capacity, always choose the largest diameter and the shortest possible length of hose!

2295014

2295104

2195075

29312



Pit Waste Oil Equipment

Waste Oil Arm with 5:1 Pump

An alternative solution with a pneumatic adjustment of the bowl and pump level for emptying waste oil. Bowl dimension 700 x 300 mm (approx. 30 l). Connected with quick couplers.

Description
 Waste Oil Arm with 5:1 pump
 Quick Coupler Kit
 Rail 4 m with fastening Kit

Waste Fluid Arm with 5:1 pump, green bowl
 Quick Coupler Kit for 39711

Part No

39710
2395069
239508039711
2395140

Waste Oil Bowl in Pit

This system is designed for use in lubrication pits but can also be used with lifts. The collector arm is connected to the drain bowl (24555). Oil is gravity fed into a 25 l tank with a float switch, which controls the air supply to the discharge pump. When maximum level is reached in the 25 l tank the air operated pump starts and the waste oil is pumped to a remote container tank.

Collection Bowl for Cars

Swivel arm collector bowl with adjustable height and strong swivel joints. Constant flow rate independent of bowl height.

Description	Bowl dimension	Capacity	Connection thread
Collection bowl	700 x 250 mm	approx. 18 l	G 1 1/2" (f)

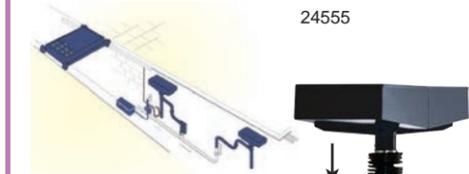
24555

Collection Bowl for Commercial Vehicles

Complete set, with swing arm and support bar on castors.

Description	Bowl dimension	Capacity	Connection thread
Collection bowl	1.000 x 400 mm	approx. 50 l	G 1 1/2" (f)

24549



Automatic Emptying Unit

The automatic emptying unit consists of a 25 l collector tank with float switch and an air operated (1:1) transfer pump with wall bracket and all necessary oil and air line accessories.

Description	Connection threads
Automatic emptying unit	Pump: Air inlet G1/4" (f)
	Oil outlet G3/4" (f)
	Tank: Oil inlet (from 24555 or rail system) G1 1/2" (f)

SPEC6011



Pit Platform and Lift

Waste Oil Unit for Pit Use

With adjustable wheels for mounting on pit rails. The unit can be emptied by a pump system, 29068 must be fitted with a quick coupling set (29108) for easy connection of the discharge hose. See page 48.

Description	Volume (approx.)	Dimensions (L x W x H)	Weight (approx.)
Waste oil unit for pit use	90 liter	1.030-1.450 x 820 x 460 mm	45 kg
Quick coupling set, must be used when emptying with discharge pump.			

Part No

39068
29108

39068



Pit Platform

The pit platform runs on a rail fixed to the pit floor and is height adjustable, enabling ease of access to all the places under the vehicle. Driven by compressed air it has the capacity to lift a person and tools. Standard accessories include a tool tray, air connection and brake. Safety features include trap protection.

Description	Lift capacity		WxD
	Height	Weight	
Pit Platform	670 mm	200 kg	1.200 x 840 mm

64000



Hydraulic Pit Lift

Hydraulic pit lift for heavy transport vehicles. The carriages are manufactured for all types of inspection pits (ask for a form to submit your pit dimensions).

Three modes of operation: Neutral, fast moving and lifting mode. When released the valve automatically returns to neutral mode and the lift is locked in the existing height mode.

Min height above floor:	100 mm
Hoist travel:	500 mm
Lifting time:	appr. 40 sec.

The lift can be supplied with a piston extension for lifts up to 900 mm.

Description	Capacity	Max air pressure
Hydraulic Pit Lift	15.000 kg	8 bar

64010



Mobile Waste Oil Units

Waste Oil Units

Waste oil units for gravity collection of motor and gear oil into a 20 l bowl. All units can be used underneath lifts or in pits. The unit can be discharged by gravity, air pressure or be emptied by a pump on the unit or externally placed. Discharged by air pressure is carried out through a 2 m hose with the unit connected to a tyre inflator. A safety valve ensures that the pressure never exceeds 0,5 bar. Some of the units can be used for pneumatic suction through suction probes. Vacuum is generated by an ejector on the unit, driven by 7 - 10 bar air pressure. Once the vacuum is generated they can be used without being connected to the airline. The vacuum unit can be fitted with a transparent 10 l container, to measure the volume of oil evacuated. Vacuum units are delivered with a probe kit comprising a probe holder, Mercedes adapter, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.200 mm long plastic probe Ø 8 mm. All units are suitable for all non-corrosive fluids.

NOTE! Do not use for volatile or highly inflammable liquids like petrol (gas).

100 l Capacity Waste Oil Container with a Unique Bowl Design

The container is fitted with an asymmetric swivelling bowl with a specially designed anti splash mesh. The top of the container has a fixed tray for tools, washers, oil plugs etc. The base has a special outlet hose holder.

Description	Dimension (W x D x H)	Weight
Waste Oil Container	630 x 500 x 1.500-2.000 mm	28 - 33 kg

Description

Waste Oil Container, Standard

Waste Oil Container with ejector and suction probes

Waste Oil Container with ejector, suction probes and transparent vacuum chamber

Waste Oil Container with ejector and suction probes, without bowl

Spare parts:

Extension bowl
Metal bowl with down tube
Metal bowl only
Vacuum gauge
Level tube with connectors

Part No

39505

39507

39508

39517

2295081

2295013

2295087

2395083

2426424



65 l Capacity Waste Oil Container with a Bowl

Small efficient unit, just what you need, perfect for the small garage. Accessories are the same as for the 100 l unit.

Description

Waste Oil Container, Standard

Waste Oil Container with ejector and suction probes

Waste Oil Container with ejector, suction probes and transparent vacuum chamber

Waste Oil Container with ejector and suction probes, without bowl

Spare parts:

Level tube with connectors

39405

39407

39408

39417

2426424



24 l Mobile Waste Oil Suction Unit

24 L capacity waste oil suction unit with 2 m oil suction hose.

Description
Waste Oil Container with ejector and suction probes

Part No

39049

39049



35 l Mobile Waste Oil Unit for Motor Bikes

35 L capacity waste oil unit with a low bowl for motor bikes. The unit can be discharged by gravity or air pressure.

Description
Waste Oil unit for Motor Bikes

39551

39551



65 l Waste Oil Container with a Flex Bowl

Can be used under lifts, when the vehicle is on the floor. Suitable for all non-corrosive liquids. The container is emptied by compressed air using a tire pressure gauge. A safety valve ensures that the pressure never exceeds 0,5 bar.

Description
Waste Oil Container with ejector.

39430



Accessories for the 395 and 394 Series Units

Description
Probe Kit comprising a probe holder, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.200 mm long plastic probe Ø 8 mm.

2295014

2295014



Transparent vacuum chamber with ejector

2295015

Quick Coupling Kit, to be used when emptied using an external discharge pump.

2295117

Pump kit for pumpaway, to be fitted on to the unit (39505, 39405). Pump 22800 included.

29320

Pump kit for pumpaway and suction from engines, to be fitted on to the unit (39505, 39405). Pump 22802 included.

29325

Waste oil filter, for use on waste oil containers to prevent contamination from entering the pump. G3/4" (m). 32 mesh.

29310

2295117



Waste Oil Bowl for Drums

Waste oil bowl, with adjustable bung adapter, G2" (m), suitable for mounting in a 200 l or 60 l drum. Ø 480 mm.

Description	Adjustable height	Bowl volume	Weight
Waste oil bowl	approx. 600 mm	approx. 20 l	5 kg

Part No

26502



Low Level Mobile Drainer. Units with 20 l to 200 l Capacity

Gravity drain collection unit which is discharged using a wall mounted pump kit and quick coupling set.

Description	Volume (approx.)	Dimension (L x W x H)	Weight (approx.)
Low level mobile drainer	200 l	1.450 x 820 x 360 mm	60 kg
Low level mobile drainer,	95 l	1.250 x 610 x 260 mm	44 kg
Low level mobile drainer,	20 l	770 x 470 x 130 mm	18 kg

Quick coupling set, must be used when emptying with discharge pump

29077

39075

39073

29108



29077



39075



39073

Collection and Refilling Unit for Coolants

Suitable for draining and refilling the same liquid after completing the service. Consists of a low level waste oil unit (39075), liquid pump (22820), valve (24675), strainer (28303) and filter rug (29138).

Description	Volume (approx.)	Dimension (L x W x H)	Weight
Collection unit	95 l	1.250 x 610 x 260 mm	51 kg

39004



"Filter rug"

30 mm (1 1/4") thick, for use in waste oil bowls to prevent splatter and contamination entering the discharge pump.
1060 x 400 x 30 mm, fits 39001
1200 x 400 x 30 mm, fits 39075 and 39004

29139
29138

29139

1060 mm (42")

400 mm (16")



Texture

Suction Units

Hand Operated Suction Unit

For evacuating up to 4 l of liquid using a pre-pumped vacuum. Ideal for evacuating motor oil from lawnmowers, or other liquids from hard-to-access areas. The container can be emptied into a collection tank after the pump is disconnected.

Container, hose and suction probe made of high-quality plastic, pump tube and control valve made of brass. With vacuum meter. Max liquid temperature +30 °C. Weight 1,4 kgs.

Description	Work.Pressure	Pressure Generator	
Suction unit, 4 l	- 0,7 bar vacuum	Hand pump	1, 4 kg

Part No

3253P



Suction Pump

For filling and emptying small containers, gear boxes etc.

Description	Volume
Suction pump	500 cm ³
Suction pump	800 cm ³

21040
21044



Oil Drain & Parts Cleaning Pan

Handy oil drain & parts cleaning pan for washing small parts or for oil drain. Made of oil and chemical resistant polyethylene.

Description	Capacity	Dimensions mm
Oil Drain & Parts cleaning pan	8 l	Ø 310, h=105
Oil Drain & Parts cleaning pan	14 l	Ø 500, h=160
Oil Drain pan	8 l	490 x 300 x 120
Oil Drain extra low 6 cm pan	20 l	670 x 670 x 60

21635

21619

21509

21664



Brake fluid drainer and bleeder

Equipment for bleeding the break or clutch circuit in any motor vehicle. The unit includes: Set of five coupling plugs for connection to the deposit of the brake fluid circuit. Universal adapter plug. Set of drain deposits with adapters for the bleeding valve

Description	Capacity
Brake fluid drainer and bleeder	5 l

39560

Universal drainer and brake bleeder

Can be used in two ways: oil extraction in small engines such as boats, motorcycles or the extraction of liquid waste in hard to reach places. Can also be used to bleed the brake fluid circuit without operating the brake pedal, a special nozzle is then used.

Description	Capacity
Fluid drainer and bleeder	0,75 l

39570



Vacuum Pump



Air Operated Vacuum Pump/Liquid Pump

A reliable drum mounted vacuum pump for fast emptying of cutting fluids, paint sludge, water, waste oil etc. from machine tools, spray booths, engines or other machines. The vacuum is easily adjusted with a needle valve and is indicated on a gauge. When the drum is full, the pump stops automatically and an indicator shows current status.

Vacuum Pump, Basic Model

Basic model, comprising pump body and bung adapter only, for mounting in drums or tank with G2" (f) thread.

Description	Dimensions	Airconsumption	Connection
Vacuum pump, basic model	170 x 170 x 70 mm	approx. 60 l/min.	Air: G1/4" (f) Suction hose: Ø 25 mm

Vacuum Pump with Air Connection Kit

Vacuum pump (22582) complete with air connection kit (22587)

Description	Connection
Vacuum pump, with air connection kit	Air: 1/4" hose socket

Vacuum Pump with Suction Hose

Vacuum pump (22584) complete with suction hose (22588).

Description	Connection
Vacuum pump, with suction hose	Air: 1/4" hose socket

Vacuum Pump with Air Connection Kit and Suction Probes

Vacuum pump (22582) complete for evacuating oil through suction probes inserted into the crankcase, gearbox, etc. Complete with air connection kit (22587), suction hose & probe kit (2295014).

Description	Connection
Vacuum pump, with suction hose, air connection kit and suction probes	Air: 1/4" hose socket

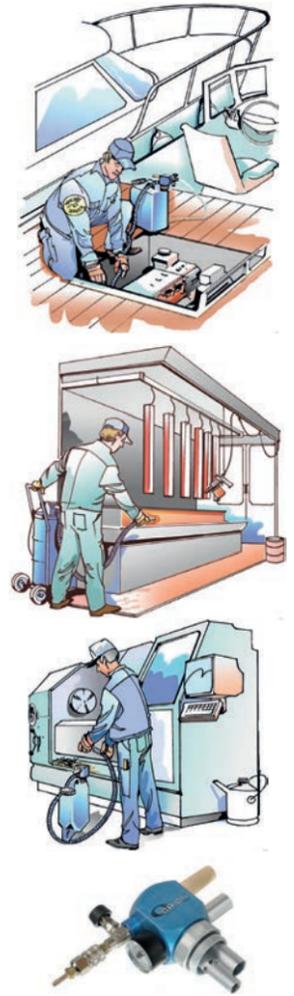
Part No

22582

22584

22585

22586



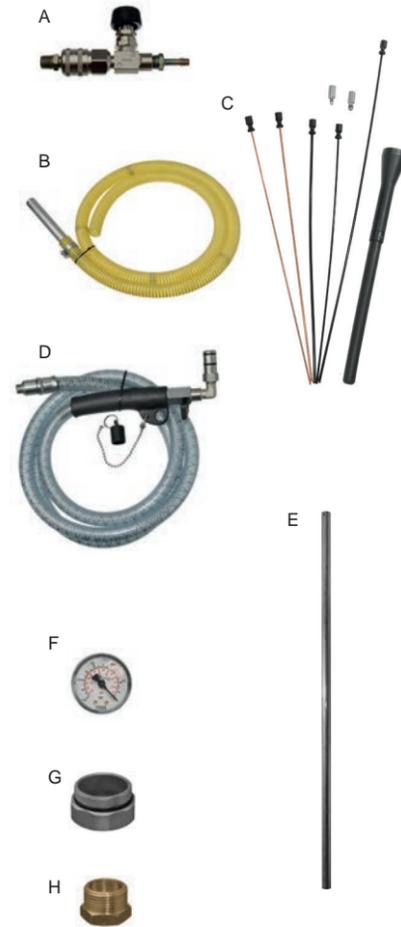
Vacuum Pump

Accessories for Vacuum Pump

Pos	Description	Remark
A	Air connection kit	Consisting of shut-off valve, gauge, nipple, quick coupling and hose clamp
B	Suction hose	Consisting of hose (Ø 25 mm, length 2,2 m) and aluminium tube length 200 mm
C	Suction probe kit	Probe Kit comprising a probe holder, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.200 mm long plastic probe Ø 8 mm
C	Suction probe kit	same as above with a wall bracket
D	Suction hose	2 m suction hose with handle and valve to be used with suction probe kit 2295014
E	Suction tube	Aluminium, length approx. 1 m
F	Gauge	Indicates vacuum, 0 to -1 bar
G	Bung adapter	To be used when the vacuum pump is frequently moved between different containers
H	Reducer	To be used when connecting the suction hose to the vacuum pump

Part No

22587
22588
2295014
28291
2295018
2090151
2326013
2085147
25201297



Notes:

Portable Suction Drain Unit, OriCan

This unit can be used to drain most fluids - even heavily contaminated - from machinery, engines, gear boxes, coolant containers, etc. The unit consists of an air operated vacuum pump 22585, fitted to an OriCan container made of polyethylene, with carrying handle and Ø 100 mm filling hole. Including 2,2 m suction hose (22588). Suction capacity max. 60 l/min. (water) Max. vacuum 50%. Max. temperature +60 °C.

Description	Dimension (W x D x H)	Air consumption (approx.)	Volume (approx.)	Weight (approx.)
OriCan	150 x 385 x 600 mm	60 l/min.	16 l	4,3 kg

Accessories OriCan

Description	Volume (approx.)
OriCan, container only	16 l
Pump adapter, G 2" (f) - G2" (f)	

22590
1085112
1085076





4 Air

Hose Reels	64
FRL-Units	66
Valves, Blow Gun and Tyre Inflators.....	67
Quick Connectors	68



Spring Operated Hose Reels

Series ORK, ORM

Open hose reel.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series ORK	10	10 - 3/8"	G1/2" (m)	G1/4" (m)	2,0	20	45122
Series ORM	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	45135

Part No



Series ORS

Open hose reel in aluminum and composite.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series ORS	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	45222
Series ORS	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	45225
Series ORS	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	45235

Part No



Series OR

An open hose reel with longer hose lengths. If mounted to the ceiling the hose guide must be located to give correct hose direction. The hoses are fitted with swaged couplings.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series OR	20	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	1,8	18	45336

Part No



Series ORB

Extra Heavy Duty open hose reel with longer hose lengths for oil and air. All hoses are fitted with swaged couplings.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series ORB	15	25,4 - 1"	G1" (f)	G1" (f)	1,5	15	45665
Series ORB	30	12,5 - 1/2"	G1/2" (f)	G1/2" (f)	1,5	15	45638

Part No



Spring Operated Hose Reels

Series CRO

Medium sized enclosed hose reel.

The hose reel can be mounted to the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series CRO	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	46222
Series CRO	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	46225
Series CRO	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	46235

Part No



Series CRS

Enclosed hose reels for air, supplied complete with a pivoting wall bracket. Hoses are fitted with swaged couplings.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series CRS	12	8 - 5/16"	Hose 5/16"	G1/4" (m)	2	20	46314
Series CRS	15	8 - 5/16"	Hose 5/16"	G1/4" (m)	2	20	46315
Series CRS	10	10 - 3/8"	G3/8" (m)	G3/8" (m)	2	20	46322
Series CRS	12	10 - 3/8"	G3/8" (m)	G3/8" (m)	2	20	46324

Part No



For the complete range of hose reels see the chapter 8!

Air Treatment Units (FRL)

Air Treatment Units

These air treatment units combine the best of design with proven materials and production methods. They can handle air flows up to 900 l/min. Material: Zinc. Volume 40 cm³ (filter/regulator), 50 cm³ (lubricator), max working pressure 1,2 MPa (12 bar), temp.+5° to +60 °C

Description	Conn. thread	Consist of:	Part No
Air treatment unit	G1/4" (f)	42107, 42009, 42108, 42110, 42125	42105
Air treatment unit	G1/4" (f)	42107, 42108, 42112	42104
Air treatment unit	G1/4" (f)	42107, 42009, 42110, 301296	42103

Part No



Shut-off Valve

Shut-off valve with downstream air bleed. Material: Brass.

Description	Conn. thread	Max working pressure	Part No
Shut-off valve	G1/4" (f)	1,4 MPa (14 bar)	42009



Filter-regulator

Filter-regulator 0-1 MPa, lockable, two stage filtration, 5 µm filter element. Material: Zinc

Description	Conn. thread	Volume	Max working pressure	Temp	Part No
Filter-regulator	G1/4" (f)	40 cm ³	1,2 MPa (12 bar)	+5 till +60 °C	42107



Lubricator

Air line lubricator with fill port and adjustment knob. Material: Zinc.

Description	Conn. thread	Volume	Max working pressure	Temp	Part No
Lubricator	G1/4" (f)	50 cm ³	1,2 MPa (12 bar)	+5 till +60 °C	42108



Air Treatment Units, 1/2"

These air treatment units combine the best of design with proven materials and production methods. Material: Zinc. Max working pressure 1,2 MPa (12 bar), temp.+5° to +60 °C.

Description	Conn.thread	Part No
Air treatment unit	G1/2" (f)	Filter regulator, Lubricator, gauge 42120
Filter Regulator	G1/2" (f)	Filter regulator, gauge 42121
Lubricator	G1/2" (f)	Lubricator 42115



Accessories

Description	Part No
Wall bracket, for filter-regulator (1/4")	42110
Wall bracket, for filter-regulator (3/8" & 1/2")	42123
Pressure gauge, ø 40 mm, 0-1,6 MPa (0-16 bar), Conn. thread G1/8" (m)	42112
Adapter, G 1/4" (m)	301296
Adapter, G 1/2" (m)	301298
Adapter bracket to connect filter regulator and lubricator, G 1/4" (m)	42125
Adapter bracket to connect filter regulator and lubricator, G 1/2" (m)	42124



Shut-off Valves, Blow Gun & Tyre Inflators

Shut-off Valves

Ball valves made of brass with PTFE-seals, long or short levers, intended for oil and air lines.

Description	Conn. thread (f)	Work pressure	Lever	Part No
Ball valve	G3/8"	6,4 MPa (64 bar)	Long	30101117
Ball valve	G1/2"	6,4 MPa (64 bar)	Long	30101093
Ball valve	G3/4"	4,0 MPa (40 bar)	Long	30101111
Ball valve	G1"	4,0 MPa (40 bar)	Long	30101081
Ball valve	G1 1/4"	2,5 MPa (25 bar)	Long	30101087
Ball valve	G1 1/2"	2,5 MPa (25 bar)	Long	30101084
Ball valve	G2"	2,5 MPa (25 bar)	Long	30101102
Ball valve	G1/4"	6,4 MPa (64 bar)	Short	30101129
Ball valve	G3/8"	6,4 MPa (64 bar)	Short	30101144
Ball valve	G1/2"	6,4 MPa (64 bar)	Short	30101123
Needle valve	G1/4"	2,5 MPa (25 bar)	Knob	28513



28513



Blow Gun

Blow gun for efficient cleaning, made of impact resistant plastic with ergonomically designed handle. Tube length approx. 100 mm.

Description	Conn. thread	Part No
Blow gun	G1/4" (f)	44503



Industrial Blow Gun

Blow gun manufactured with a durable cast aluminum body with ergonomic grip. Includes a safety nozzle that increases the air thrust with a reduction of the noise level and minimum air consumption.

Description	Conn. thread	Part No
Blow gun	G1/4" (f)	44504



Tyre Inflator

Accurate, ergonomic and durable Tyre Inflator for all needs of tire inflation. To be connected to the compressed air line. The gauge is protected by a rubber cover.

Description	Conn. thread	Pressure range	Hose length	Part No
Tyre Inflator	G1/4" (f)	0-12 bar	66 cm	44635
Tyre Inflator Valve	G1/4" (f)	0-12 bar	-	44640



44640



Air Line Hoses

To connect the pump air motor to an air main line. Made of braided PVC, max. working pressure 1,5 MPa (15 bar), swaged couplings; one with swivelling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread	Part No
Air line hose	1/4" i.d.	1,5 m	G1/4" (m)	48001
Air line hose	1/4" i.d.	3,0 m	G1/4" (m)	480013M
Air line hose	3/8" i.d.	1,5 m	G3/8" (m)	48002
Air line hose	3/8" i.d.	3,0 m	G3/8" (m)	480023M
Air line hose	1/2" i.d.	2,0 m	G1/2" (m)	48017

48001



Quick-couplings for Compressed Air

Hose Adapters

Hose Ø	Thread
1/4"	G1/4" (m)
5/16"	G1/4" (m)
3/8"	G1/4" (m)
1/4"	G3/8" (m)
5/16"	G3/8" (m)
3/8"	G3/8" (m)
1/2"	G3/8" (m)
1/4"	G1/2" (m)
3/8"	G1/2" (m)
1/2"	G1/2" (m)
3/4"	G1/2" (m)

Part No

48510
48511
48512
48540
48541
48542
48543
48603
48600
48601
48602



Quick-Coupling

Thread

G1/4" (f), small model
G3/8" (f), big model
G1/2" (f), big model

44516
44521
44531



Nipples

Thread	For Quick-Coupling
R1/8" (m)	44516
R1/4" (m)	44516
R3/8" (m)	44516
G1/4" (f)	44516
G3/8" (f)	44516
R1/4" (m)	44521/44531
R3/8" (m)	44521/44531
R1/2" (m)	44521/44531
R3/4" (m)	44521/44531
G3/8" (f)	44521/44531
G1/2" (f)	44521/44531

48500
48501
48502
48503
48504
48594
48530
48590
48592
48531
48591



Hose Connector

Hose Ø	For Quick-Coupling
1/4"	44516
5/16"	44516
3/8"	44516
1/4"	44521/44531
5/16"	44521/44531
3/8"	44521/44531
1/2"	44521/44531

48520
48521
48522
48550
48551
48552
48553



Quick-Couplings for Compressed Air

Profile fits Tema 1600 and Cejn 320.

Description	Connection	Part No
Nipple	G1/4" (m)	103205152
Coupling	G3/8" (f)	103201204
Nipple	G3/8" (f)	103205204
Coupling	G1/2" (f)	103201205
Coupling	G1/2" (m)	103201155
Nipple	G1/2" (f)	103205205
Coupling	Hose Ø 10 mm	103201004
Nipple	Hose Ø 10 mm	103205004
Coupling	Hose Ø 13 mm	103201005
Nipple	Hose Ø 13 mm	103205005





5 Waterbased Fluids/Detergents

Mixing Pump and Units.....	70
Liquid Pumps.....	71
Installation Kits	72
Diaphragm Pumps.....	72
Hose Reels	73
Hose End Controls	74
Sprayers	75
Hand Operated Drum Pumps	77
Funnels, Measures	78
Installation Accessories	80



Mixing Units

Mixing Pump

Air operated mixing pump for glycol and windshield fluids with a fixed mix. The wall mounted unit has a suction attachment for connection to the concentrate container. Complete unit to connect directly to the air supply line and distribution pipework.

We recommend that you invest in control equipment for the concentrate container to prevent unmixed water being distributed when the concentrate container is empty.

Description	Capacity
Mixing pump 50/50	Appr. 15 l/min. free flow at 0,7 MPa (7 bar)

Part No

24891



Mixing Unit with Ejector from 25% to 50%

Water operated mixing unit with ejector for windshield fluids, adjustable with nozzles between 25% to 50% mix. The wall mounted unit has a suction attachment for connection to the concentrate container. Complete unit for connection to the water line.

Description	Capacity
Mixing unit	Appr. 15 l/min.

24186



To put together a Complete Mixing and Distribution Kit

Use a mixing unit (24186), installation kit (99630) and pump (22770). All necessary items are included.

We recommend that you invest in control equipment (SPEC8121) for the concentrate container to prevent unmixed water being distributed when the container is empty.

Ejector Mixing Unit

Proportioner that automatically mix liquid cleaning and sanitizing concentrates with water and dispense the diluted solution into any container. The unit is threaded directly onto the container of concentrate or by means of an adaptor. Comes with 13 different nozzles for a dilution range of approx 1:1-100:1 (water : concentrate).

NOTE! The outlet hose must not be equipped with any type of shut-off valve, as the water can go backwards into concentrate with risk of overflow. Assure that a backflow valve is fitted to the fresh water line to avoid chemicals entering the water line.

24188



Diaphragm Mixing Pump 1:1 Ratio

Air operated mixing pump for mixing and transferring different liquids. Mixing ratio 50/50*.

Pressure ratio	Capacity
1:1	Max 50 l/min., free flow at 0,7 MPa (7 bar).
Capacity	0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)
Air pressure	Air: G3/8" (f)
Connections	Liquid: inlet 2x G3/8" (f) outlet G1/2" (f)

Description	Capacity
Mixing Pump of Aluminium/Nickel plated	max 50 l/min.
Mixing Pump of Acetal	max 50 l/min.

22221

22227

22221



Body	Valves	Diaphragm	Other wetted materials
Al, Ni.	Acetal	Hytrel®	Teflon®, Viton®, St. steel
Acetal	Acetal	Hytrel®	Teflon®, Viton®, St. steel

■ Water
 ■ Anti Freeze
 ■ Windshield Wash
 ■ Detergents
 (Concentrated Glycol; see the Oil Section)

Liquid Pumps, Air Operated

Stainless Steel Liquid Pump, Pressure Ratio 4:1

Stainless steel, air operated, double acting liquid pump for corrosive liquids, windscreen liquid etc. Bung adapter G2" (m) (part No 2125753) included.

Pressure ratio	4:1
Capacity	Max 30 l/min. (free flow, air pressure 0,7 MPa, water) Max 1 MPa (10 bar)
Air Pressure	Air: G 1/4" (f)
Connections	Fluid: Outlet G1" (f) - Inlet (foot valve) G1" (f)

Description
Stainless Steel stub pump
Stainless Steel pump complete with suction tube (2226294)

Atex Classified Stainless Steel stub pump
Atex Classified Stainless Steel pump complete with suction tube (2226294)

We recommend the use of air lubricator for pumps when pumping cleaning fluids such as windshield washer.

Part No

22770
2277522771
22776

Air motor	Liquid parts	Seals	Central bar
Aluminium	Stainless Steel, ISO 2343/2346 (DIN 1.4436/1.4305)	Teflon®	Chromated Stainless Steel, ISO 2333 (DIN1.4101)

Stainless Steel Liquid Pump, Pressure Ratio 1:1

Stainless steel, air operated, double acting liquid pump for corrosive liquids, windscreen liquid etc. Bung adapter G2" (m) included.

Pressure ratio	1:1
For connection to	Tank or drum
Capacity	Max 30 l/min. (free flow, air pressure 0,7 MPa, water) Max 1 MPa (10 bar)
Air Pressure	Air: G 1/4" (f)
Connections	Fluid: Outlet G3/4" (m) - Inlet (foot valve) G1" (f)

Description
Stainless Steel stub pump
Stainless Steel pump complete with suction tube (2226294)

22772
22777

Air motor	Liquid parts	Seals	Central bar
Aluminium	Stainless Steel, ISO 2343/2346 (DIN 1.4436/1.4305)	Teflon®	Chromated Stainless Steel, ISO 2333 (DIN1.4101)

Liquid Pump, Corrosion Protected, Pressure Ratio 1:1

Corrosion protected, air operated, double acting liquid pump. Bung adapter G 2" (m) included.

Pressure ratio	1:1
For connection to	Tank or drum
Capacity	Max 40 l/min. (free flow, air pressure 1,0 MPa, 95 cSt oil). Recommended free flow approx. 25 l/min. at 0,7 MPa, 95 cSt
Air Pressure	Max 1 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Outlet G3/4" (f) - Inlet (foot valve) G1" (f)

Description
Liquid pump
Liquid pump complete with suction tube (2226294)

22820
22825

Air motor	Liquid parts	Seals	Central bar
Aluminium	Nickel-plated Steel	Nitrile Polyurethane	Nickel-plated Aluminium

■ Water
 ■ Anti Freeze
 ■ Windshield Wash
 ■ Detergents
 (Concentrated Glycol; see the Oil Section)

Installation Kits

Drum Pump Installation Kit

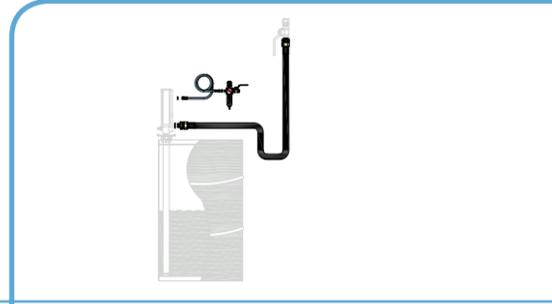
Components for a drum mounted air operated pump.(205 l drum)

Information:

Air line hose 1,5 m x 1/4" hose, Line hose 1,5 m x 3/4" hose.

With Air treatment unit **99625**
 Without Air treatment unit **99725**

With Air treatment unit **99675**
 Without Air treatment unit **99775**



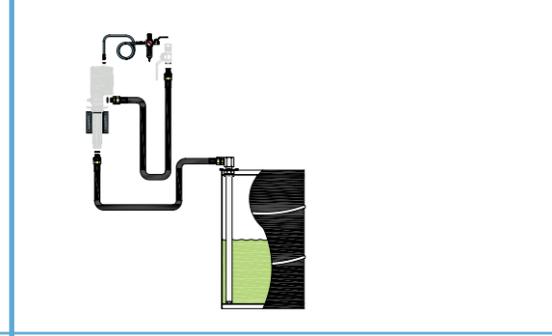
Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated pump with drum suction attachment (205 l drum).

Information: Air line hose 1,5 metre x 1/4" bore hose, line hose 1,5 metre
 Drum suction attachment, tube length = 1,08 m

With Air treatment unit **99626**
 Without Air treatment unit **99726**

With Air treatment unit **99676**
 Without Air treatment unit **99776**



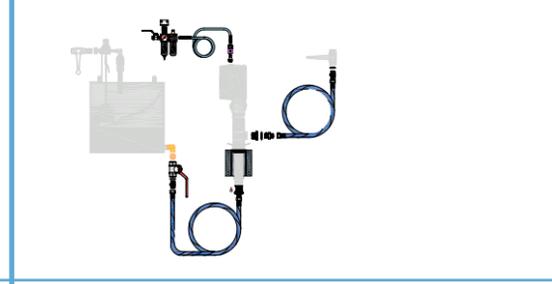
Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated pump with a tank suction attachment.

Information

Air line hose 1,5 metre x 1/4" bore hose
 2 pcs Line hose 1,5 metre x 1/2" bore hose

With Air treatment unit **99630**
 Without Air treatment unit **99730**



Air Operated Diaphragm Pump 1:1

Air operated pump for transferring different liquids.

Pressure ratio 1:1

Capacity See description below
Air pressure 0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)
Connections Air: G3/8" (f)
 Liquid: 22206, 22208, 22211, 22230, 22238
 inlet-outlet G1/2" (f)
 22325, 22328 inlet-outlet G1" (f)

Description	Applications	
Diaphragm Pump of Polypropylene 30 l/min	AdBlue®, antifreeze, windshield wash...	22206
Diaphragm Pump of Acetal, ATEX 30 l/min	Fuels, solvents, Toulén, Ethanol, etc.	22208
Diaphragm Pump of Alu. Nickel plated 50 l/min	Oil, waste oil, aqueous, antifreeze, etc.	22211
Diaphragm Pump of Polypropylene 50 l/min	AdBlue®, antifreeze, windshield wash...	22230
Diaphragm Pump of Acetal, ATEX 50 l/min	Fuels, solvents, Toulén, Ethanol, etc.	22238
Diaphragm Pump of Polypropylene 100 l/min	AdBlue®, antifreeze, windshield wash...	22325
Diaphragm Pump of Acetal, ATEX 100 l/min	Fuels, solvents, Toulén, Ethanol, etc.	22328



Body	Valves	Diaphragm	Other wetted materials
Polypr.	Teflon®	Hytrel®	Teflon®, Viton®, St. steel
Acetal	Acetal	Hytrel®	Viton®, St. steel
Al, Ni	Acetal	Hytrel®	Teflon®, Viton®, St. steel
Polypr.	Teflon®	Hytrel®	Teflon®, Viton®, St. steel
Acetal	Acetal	Hytrel®	Viton®, St. steel
Polypr.	Hytrel®	Hytrel®	Teflon®, Viton®, St. steel
Acetal	Acetal	Teflon®	Viton®, St. steel

Wall Mounted Pump Installation Kit

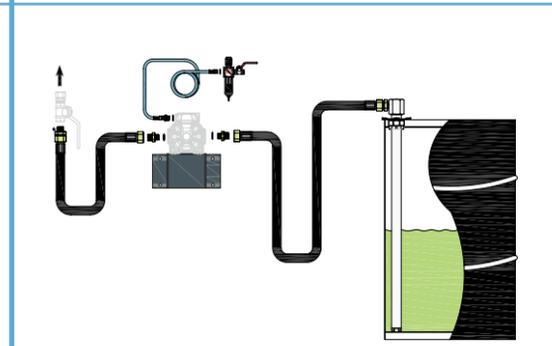
Components for a remote wall mounted air operated 1/2" diaphragm pump with drum suction attachment (205 l drum) and wall bracket.

Information

Air line hose 1,5 metre x 1/4" bore hose, Line hose 1,5 metre
 Drum suction attachment, tube length = 1,08 m

With Air treatment unit **99666**
 Without Air treatment unit **99766**

With Air treatment unit **99668**
 Without Air treatment unit **99768**



Water Anti Freeze Windshield Wash Detergents
 (Concentrated Glycol; see the Oil Section)

Spring Operated Hose Reels

Series ORM

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
15	10 - 3/8"	G3/8" (f)	18	180	
15	10 - 3/8"	G1/2" (f)	7,5	75	

Part No

55125*
65125

Series ORS

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
10	10 - 3/8"	G3/8" (m)	1,5	15	
15	10 - 3/8"	G3/8" (m)	1,5	15	
15	12,5 - 1/2"	G1/2" (f)	1,5	15	
13	10 - 3/8"	G3/8" (f)	18	180	
10	10 - 3/8"	G1/2" (f)	7,5	75	
15	10 - 3/8"	G1/2" (f)	7,5	75	

45222
45225
45235
55225*
65222
65225

Series OR

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
20	12,5 - 1/2"	G1/2" (m)	1,8	18	
Stainless Steel Reels					
20	10 - 3/8"	G3/8" (f)	18	180	

45336
24957*



Series LOR

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
25	10 - 3/8"	G3/8" (f)	40	400	
25	12,5 - 1/2"	G1/2" (f)	30	300	
Stainless Steel Reel					
25	12,5 - 1/2"	G1/2" (f)	30	300	

55527*
55537*
24965
24965*



Series ORL

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
15	19 - 3/4"	G3/4" (f)	2	20	

65455



Series CRO

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
15	10 - 3/8"	G3/8" (m)	1,5	15	
15	12,5 - 1/2"	G1/2" (m)	1,5	15	
13	10 - 3/8"	G3/8" (f)	18	180	
10	10 - 3/8"	G1/2" (f)	7,5	75	
15	10 - 3/8"	G1/2" (f)	7,5	75	

46225
46235
56225*
66222
66225



Series CRS

Length	Diameter	Conn.	Work. Pressure		
			MPa	bar	
12	8 - 5/16"	G1/4" (m)	2	20	
15	8 - 5/16"	G1/4" (m)	2	20	
10	10 - 3/8"	G3/8" (m)	2	20	
12	10 - 3/8"	G3/8" (m)	2	20	

46314
46315
46322
46324

Water Anti Freeze Windshield Wash Detergents
 (Concentrated Glycol; see the Oil Section)

* Can be used for hot water. For more information, see the Hose Reel chapter. 73

Hose End Controls

Water Control Valve

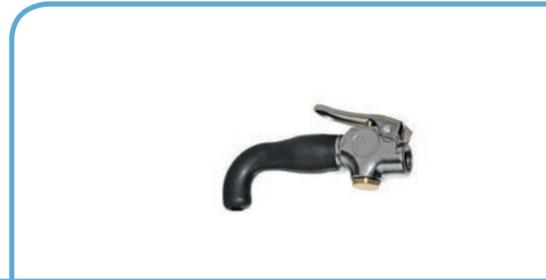
Water control valve with rubber outlet. Inlet G1/4" (f).
Weight: approx. 0,3 kg.

Description

- Water control valve with rubber nozzle 24105
- Water control valve with rubber nozzle G3/8" connection 2410564
- Water control valve with rubber nozzle G1/2" connection 2410561



Part No



Water Control Valve

Water control valve with rigid outlet. Inlet G1/4" (f). Weight: approx. 0,3 kg.

Description

- Water control valve 24106
- Water control valve for G3/8" connection 2410664
- Water control valve for G1/2" connection 2410661



Control Valve for Water Based Fluids

Water control valve with special rubber outlet that prevents foaming.

Description

- Water control valve with swivel G1/2" (m) 2468060
- Water control valve with swivel G1/2" (f) 2468061
- Water control valve with swivel G3/8" (f) 2468064



- Water control valve with swivel G1/2" (m) and Meter (24140) 24142
- Water control valve with swivel G1/2" (m) and Meter (24773) 24145



Wash Handle

Heavy duty wash handle made of rubber covered die-cast brass. Flow pattern regulated by the trigger.
Max pressure 3 MPa (30 bar). Connection thread G1/2" (f).

Description

- Wash handle G1/2" (f) 28182
- Wash handle G3/8" (f) 2818264



Wash Handle

Straight form wash nozzle with on/off and flow pattern regulated by turning the sleeve. Supplied with 1/2" hose connection.

Description

- | | | |
|--|--|-----------------|
| Wash nozzle with 1/2" hose bore in brass | Max pressure 10 bar <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 28268 |
| <i>Should not be under pressure when closed!</i> | | |
| Bare hose adapter G1/2" (m) with 60° cone for 28268 | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 2085398 |
| Wash nozzle with 1/2" hose bore in brass, O-ring sealed | 16 bar <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 28368 |
| Bare hose adapter with hose bore 3/4" for 28368 | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 38220812 |
| Wash nozzle with G1/2" (f) connection in stain. steel, O-ring sealed | 16 bar <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | 28369 |



Wash Handle

Heavy duty wash handle made of die-cast brass with rubber covered handle. Supplied with two nozzles, 2 mm and 4 mm jet holes. Flow pattern adjustable with control knob.
Max pressure 3 MPa (30 bar).

Description

- Wash handle for 1/2" hose connection in brass 16004
- Wash handle for 3/4" hose connection in brass 16006



Water Anti Freeze Windshield Wash Detergents
(Concentrated Glycol; see the Oil Section)

Spray Handles and Mobile Sprayer

Spray Handle with Spray Tube

Designed for use with detergents. Consists of a brass valve body with 580 mm brass outlet tube and two nozzles, one with an adjustable spray pattern. Connection thread. G 3/8" (m).

Description

- Spray handle with spray tube 24029
- Spare adjustable nozzle 550012



Part No



Spray Handle with Spray Tube

Designed for use with detergents. Consists of a thermoplastic valve body (24680) with an brass outlet tube. Two different spray nozzles for water- and petroleum based detergents. Connection G1/2" (f).

Description

- Spray handle with spray tube 24098
- Spray handle with spray tube 24099
- Spare adjustable nozzle 550012

Outlet tube
500 mm
915 mm



Part No



High Pressure Swivel

Designed for use with detergents. Connection G3/8" (f). Maximum pressure 25 MPa (250 bar).

Description

- High pressure swivel 24518

Part No



Mobile Sprayer

Air operated sprayer, comprising of a steel container, fitted with a compressed air connection and pressure gauge, Ø 30 mm (1 1/4") filler hole, sight gauge and two Ø 100 mm (4") wheels.

Preload the container with compressed air 0,3-0,7 MPa (3-7 bar). The dispenser can be used without permanent connection to air pressure. Max. admissible tank capacity is 3/4 of total capacity. Complete with 1,5 m hose and spray handle.

Description	Volume	Dim. (L x W x H)	Weight (approx.)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	22422
Spray dispenser	approx. 24 l	350 x 380 x 780 mm	11,5 kg		

Note: Suitable for petroleum based detergents only!

Spare parts:

- Spray tube with nozzle 2346125
- Spiral hose 2346126
- Refilling cap 2395093
- Seal for refilling cap 2395092

Part No



Water Anti Freeze Windshield Wash Detergents
(Concentrated Glycol; see the Oil Section)

General Information

In practice, industrial substances are mixtures whose compositions and effects on other materials are known only by their manufacturers. This is why testing by the user – possibly in co-ordination with the manufacturer of the spray medium – is so essential. Safety datasheets are usually not sufficient for an accurate evaluation of the material compatibility. Metal sprayers are not suitable for hydrogen peroxide, and plastic units can only be used after preliminary testing and with limited concentrations and exposure periods.

Important factors to consider in choosing a sprayer:

Highest operational temperature (spray medium):

Plastic sprayers 30 °C.
Sprayers with metal tanks 40 °C.

Viscosity of spray medium:

Up to approx. 1,5 times the viscosity of water. If coarser droplets and a reduced spray angle are acceptable, the viscosity can be even greater.

Flammable liquids:

Flammable liquids with a flash point below 55 °C must not be used in sprayers.

High-Pressure Compression Sprayer

For forming oil, vehicle cleaning with mildly caustic cleaning detergents. Durable stainless steel tank for extra resistance, Viton seals, special oil hose that is flexible at low temperatures, 50 cm continuously rotatable brass spray wand, fine special flat spray nozzle with fine filter. Pressure is generated by using the hand pump. The 10 l sprayer can also be filled with compressed air from an external line.

NOTE! Not suitable for spray mediums that are corrosive to brass or stainless steel.

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer	6 l	6 bar	Compressor/hand pump	4,4 kg
Sprayer	10 l	6 bar	Compressor/hand pump	5,5 kg

Same equipment as above, but completely in plastic and stainless steel including the spray wand. Delivered with both flat spray and round spray nozzle.

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer	10 l	6 bar	Compressor/hand pump	5,6 kg

Accessories

- Trolley for above
- Spray valve
- Spray tube and nozzle

Sprayer

Sprayer in polyethylene with 40 cm spray nozzle. The pressure is generated by a hand pump. Especially suitable for spraying chemicals in all areas, from strong acids (sprayer with FPM seals) to highly alkaline products (sprayer with EPDM seals).

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer, FPM seals	5 l	3 bar	Hand pump	2,6 kg
Sprayer, EPDM seals	5 l	3 bar	Hand pump	2,6 kg
Sprayer, FPM seals	10 l	3 bar	Hand pump	2,9 kg
Sprayer, EPDM seals	10 l	3 bar	Hand pump	2,9 kg

Hand Held Sprayers

For cleaning, corrosion protection, lubrication, impregnation. Flexi plus and Universal has a powerful air pump to build up pressure. A safety valve protects against over compression. Tank with fill level scale, Viton® seals and adjustable nozzle.

Description	Volume	Work. Pressure	Pressure Generator
Industry Sprayer	1,5 l	3 bar	Hand pump
Universal Sprayer	1,5 l	3 bar	Hand pump
Universal 360°	1,0 l	3 bar	Hand pump
Hand sprayer	1,0 l	-	-

Hand held Sprayer Cleaner for spraying chemicals in all areas, from strong acids (sprayer with FPM seals) to highly alkaline products (sprayer with EPDM seals).

Description	Volume	Work. Pressure	Pressure Generator
Sprayer Cleaner FPM	1,5 l	3 bar	Hand pump
Sprayer Cleaner EPDM	1,5 l	3 bar	Hand pump

- Water
 - Anti Freeze
 - Windshield Wash
 - Detergents
- (Concentrated Glycol; see the Oil Section)

Part No



3595F
3615F



3615X
3965
6321L
3658



3275PP
3275PE
3270PP
3270PE

3131P
3132PG
3132PR
3111P

3132PP
3132BC

Rotary Pump for Waterbased Fluids, Oil and Other Chemicals

Rotary pump made of PVC with Ø 27 mm outlet pipe. G2" (m) bung adapter. Suction tube in 3 sections.

Description	Suction tube	Suction tube	Capacity (approx.)
	Length	Diameter	
Rotary Pump	280-1.030 mm	Ø 44 mm	0,3 l/turn

Drum Pump

Drum pump in Polypropylene with steel pump rod. The lever can be mounted in three different positions to change the stroke length and output capacity, (see below). Delivered with telescopic suction tube and G2" and G1 1/2" bung adapter. Suction tube diameter Ø 40 mm.

Description	Colour	Suction tube length	Seals Material	Capacity
Drum pump	black/blue	340-900 mm	Viton®	0,3 to 0,45 l/stroke
Drum pump	black/green	340-900 mm	Viton®	0,3 to 0,45 l/stroke
Drum pump	black	340-900 mm	Teflon®	0,3 to 0,45 l/stroke

Drum Pump

Drum pump in Polypropylene with EPDM or Viton seals. Extra smooth pump lever movement thanks to the linkage between the lever and pump rod. Delivered with telescopic suction tube and G2" bung adapter. Suction tube diameter Ø 35 mm.

Description	Colour	Suction tube length	Seals Material	Capacity
Drum pump	black/blue	350-980 mm	EPDM	0,5 l/stroke
Drum pump	black/red	350-980 mm	Viton®	0,5 l/stroke

Drum Pump

Drum pump in Polypropylene and Polyethylene with Viton seals. Delivered with telescopic suction tube and G2" bung adapter. Suction tube diameter Ø 27 mm.

Description	Colour	Suction tube length	Seals Material	Capacity
Drum pump	black/blue	480-950 mm	Viton®	0,3 l/stroke

Hand Operated Diaphragm Pump

For transfer of different fluids. The pump can be used for drums (with a special adapter kit included in 21221) or wall mounted. Lot of different fluids can be transferred even contaminated fluids.

Description	Capacity (Engine oil 20 °C)
Diaphragm pump, bare pump.	25 l/min.
Diaphragm pump with accessories	25 l/min.

Drum Pump

Drum pumps made of Polypropylene, Nylon 6 or stainless steel. G2" (m) bung adapter.

Description	Suction tube	Material in contact with the liquid
	Length	
Drum Pump	1.000 mm	Nylon 6
Drum Pump	500 mm	Nylon 6
Drum Pump	1.000 mm	Polypropylene
Drum Pump	500 mm	Polypropylene
Drum Pump	700 mm	Stainless steel, Teflon®

Manual Syphon Pumps

Manually operated syphon pump with a polyethylene suction tube, made for different container sizes

Description	For container tube length	Suction approx.	Capacity size
Suction operated	25 l	390 mm	6,5 l/min.
Piston operated	60 l	590 mm	10 l/min.
Piston operated	200 l	850 mm	18,5 l/min.

- Water
 - Anti Freeze
 - Windshield Wash
 - Detergents
- (Concentrated Glycol; see the Oil Section)

Part No



21200



21210
21211
21215

21131
21132

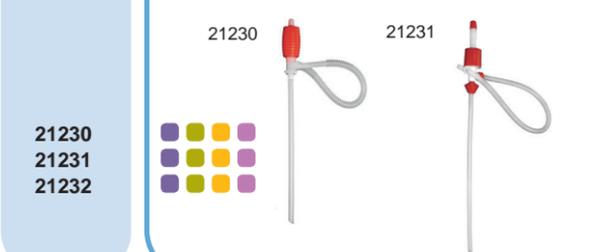
21122



21221
21220
21221



21028
21048
21027
21047
21300



21230
21231
21232

Drum Tap

Drum Tap for drums in horizontal position.

Description	Material	Conn. thread		Part No
Drum Tap, push valve	Aluminium, nitrile rubber	G2" (m)		24506
Drum Tap, turn valve	Stainless steel, Teflon®	G3/4" (m)		24580

Graduated Measures

Moulded from high quality plastic in various sizes as a set.

Description		Part No
7 measures 0,1, 0,25, 0,5, 1,0, 2,0, 3,0 & 5,0 l		21609

Plastic Measures

Measuring jugs with handle, made of heavy Polyethylene, resistant to oil, gasoline and chemicals.

Description	Volume		Part No
Liquid measure	1 l		21625
Liquid measure	2 l		21626
Liquid measure	3 l		21657
Liquid measure	5 l		21627

Tin Measures

Measuring jugs with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

Description	Volume		Part No
Liquid measure	0,5 l		21636
Liquid measure	1 l		21637
Liquid measure	2 l		21638
Liquid measure	5 l		21667
Liquid measure	10 l		21668
Liquid measure	20 l		21669

Containers

Container with handle, made of heavy Polyethylene. Filling hole with lid and capped nozzle.

Description	Volume		Part No
Liquid measure	6 l		21644
Liquid measure	10 l		21645

Oil Drain & Parts Cleaning Pans

Handy oil drain & parts cleaning pan for washing small parts or for oil drain. Made of oil and chemical resistant polyethylene.

Description	Volume		Part No
Oil Drain & Parts cleaning pan	8 l		21635
Oil Drain & Parts cleaning pan. Black	14 l		21619
Oil Drain. Black	8 l		21509
Oil Drain extra low 6 cm pan	20 l		21664



Funnels

Funnels with handle, made of oil and chemical resistant Polyethylene with splash rim and removable brass strainer.

Description	Volume		Part No
Funnel with straight spout	1,3 l		21630
Funnel with spout off-set approx 180 mm	1,3 l		21631
Funnel kit (Ø 65, 75, 100 och 120 mm)	0,05-0,27 l		21633

Anti-splash Funnels

Description		Part No
Ø 190 mm funnel with anti-splash rim, filter and flexispout		21632
Ø 230 mm funnel with anti-splash rim, filter and flexispout		21605

Garage Funnels

Description		Part No
300 mm garage funnel with filter		21606
300 mm garage funnel c/w diesel/water separator filter		21607

Tin Funnels

Funnels with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

Description	Dimension		Part No
Tin funnel	Ø 160 mm		21628
Tin funnel	Ø 200 mm		21629
Threaded spout	300 mm		21634

Garage Kit

Includes the most commonly used measures, funnels, container and oil drain.



Air Treatment Units

Description	Conn. thread	Consisting off
Air treatment unit	G1/4 (f)	42107, 42009, 42110, 301296
Air treatment unit, complete, assembled	G1/4 (f)	42107, 42009, 42108, 42110, 42125

Accessories:
 Bracket for Air treatment unit mounted on top of the 22770 and 22775 pumps
 Air hose for Air treatment unit

Part No
42103
42105
2026154
2226155



Air Line Hoses

For connection of pump motor to main air line, made of braided PVC, max. working pressure 1,5 MPa (15 bar), swaged couplings; one with swiveling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread
Air Line Hose	1/4" i.d.	1,5 m	G1/4"(m)
Air Line Hose	1/4" i.d.	3 m	G1/4"(m)
Air Line Hose	3/8" i.d.	1,5 m	G3/8"(m)
Air Line Hose	3/8" i.d.	3 m	G3/8"(m)

48001
480013M
48002
480023M



Bung Adapters

With split collars for pump tube diameters shown below. G2" (m) thread for drum or drum covers.

For pump tube diameter	Fits Orion pump models
50	22720, 22725, 22772, 22777
52	22820, 22825
54	22770, 22775

28595
28592
2125753



Drum Cover Protection (205 l Drums)

Keeps drum cover and surroundings clean.

No/box	Diam.	Absorbing capacity
25	Ø 56 cm	~2 l/st
1	Ø 56 cm	~2 l/st



34108
34109



Wall Bracket and Floor Stand

For pump mounting. Pump mounting thread G2" (f).

Description
 Wall bracket
 Floor stand
 Wall bracket for diaphragm pumps 1/2"
 Wall bracket for diaphragm pumps 1"

28524
28506
28553
28552



Water Inlet Filter

For installation in pipe lines to prevent contamination.

Description	Conn. threads	Max pressure
Filter, 100 mesh	G3/4" (m)	14 bar
Spare Cartridge 100 mesh		
Spare O-ring Viton®		
Spare O-ring NBR		



28303
2390196
2390193
2390192



Strainers

For installation in pipe lines to prevent meters being damaged due to contamination. Washable cartridge of stainless steel. Max 5 MPa (50 bar).

Conn. threads	Strainer rating	Body materia	Dimension
G1/2 "(f)	200 µm	Brass	
G3/4" (f)	200 µm	Brass	
In G3/4" (f)-Out G1/2 (f)	25 µm	Aluminium	Ø 60 x 111 mm



28022
28059
24583

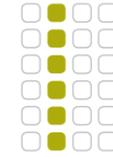


Water Anti Freeze Windshield Wash Detergents
 (Concentrated Glycol; see the Oil Section)

Distribution Hoses

Nitrile rubber hoses, 1/2" i.d. steel braided, PN 13,8 MPa (138 bar), swaged couplings G1/2" swivelling nuts, incl. two connection adapters, G1/2" (AG) - G3/4" (AG). Other lengths are available upon request.

Description	Length
Distribution hose	2 m
Distribution hose	3 m
Distribution hose	4 m
Distribution hose	5 m
Distribution hose	6 m
Distribution hose	8 m



Part No
28009
28010
28011
28012
28013
28015



Connection Hoses

Connection hose of Nitrile rubber, wire braided, swaged couplings with swivelling nuts and adapter.

Description
Tank Connection Hose, Length 1,0 m, with one straight coupling, G1"
Tank Connection Hose, Length 1,0 m, with one straight and one 90°-angle coupling, G1". Mainly used with pumps mounted in floor stands
Connection Hose, Length 1,5 m, with two straight couplings, G1" & G3/4"
Connection Hose, Length 1,5 m, with two straight couplings, G1/2" & G3/4"
Connection Hose, Length 1,5 m, with two straight couplings, G1/2" & G1"



28078
28080
28079
28639
28649



Drum Suction Attachments

Riser tube with foot valve and G2" bung adapter.

Riser tube length	Hose length	Conn.thread
1,08 m	2 m	G3/4"
1,7 m	2 m	G3/4"
1,08 m	2 m	Hose 3/4"
-	5 m (max. 3 m tank depth)	G3/4"



28310
28311
28309
28321



Shut-off Valves

Ball-valves made of brass with Teflon®-seals and long or short levers.

Conn. thread (f)	PN	Lever
G3/8"	6,4 MPa (64 bar)	Long
G1/2"	6,4 MPa (64 bar)	Long
G3/4"	4,0 MPa (40 bar)	Long
G1"	4,0 MPa (40 bar)	Long
G1 1/4"	2,5 MPa (25 bar)	Long
G1 1/2"	2,5 MPa (25 bar)	Long
G2"	2,5 MPa (25 bar)	Long
G1/4"	6,4 MPa (64 bar)	Short
G3/8"	6,4 MPa (64 bar)	Short
G1/2"	6,4 MPa (64 bar)	Short



30101117
30101093
30101111
30101081
30101087
30101084
30101102
30101129
30101144
30101123



Pressure relief valve

For protection of equipment against system pressure increase due to heat expansion. (1 °C increase in temperature can cause 1,0 MPa, 10 bar increase in system pressure).

Pressure relief valve in brass G 1/4". Releases pressure at 6 MPa (60 bar)
Pressure relief valve in brass G 1/4". Releases pressure at 2 MPa (20 bar)



28625
28643



Water Anti Freeze Windshield Wash Detergents
 (Concentrated Glycol; see the Oil Section)

Installation Accessories

Drip Holsters

To protect hose end meters and control valves when not in use and to collect any drips.

Description

Drip Holster

Drip holster with removable spill tray

Drip holster with removable spill tray

Part No

29090

29086

29096

29090



29086



29096



Hose Storage Brackets

Description

A wall mounting bracket for storage of hoses, tools etc. Two fixing holes Ø 5 mm

For fixing to the wall to support hoses that otherwise would interfere with the work area.

Two fixing holes Ø 5 mm.

6027

28185

6027



28185



Hose Storage Rack

Designed for max. 30 m x 1/2" - hose. For wall mounting.

Dimensions: approx. 200 x 300 x 120 mm (W x H x D).

28251

28251





6 Diesel

Electric Diesel Pumps.....	84
Diesel Pump Accessories	85
Diaphragm Diesel Pumps.....	85
Spring Operated Hose Reels for Diesel	86
Jerry Cans	87



Electric Diesel Pumps

Wall Mounted Pump Kit 230 V / 70 l/min.

70 l/min. pump mounted on a bracket for wall or tank mounting. The unit includes a 230 V diesel pump with on/off switch and 1.8 m cable, wall bracket, 4 m delivery hose, automatic nozzle and a three digit meter, flange mounted to the pump. Fluid inlet connection: 1" BSP (f).

Meter valid for non commercial applications only.

Part No

53700

**Wall Mounted Pump Kit 230 V- 50 l/min.**

50 l/min. pump mounted on a bracket for wall or tank mounting. The unit includes a 230 V diesel pump with on/off switch and 1.8 m cable, wall bracket, 4 m delivery hose, aluminium nozzle and a three digit meter, flange mounted to the pump. Fluid inlet connection: 1" BSP (f).

Meter valid for non commercial applications only.

53701

**Diesel Transfer Pump Kit 230 V / 50 l/min.**

230 V AC diesel transfer pump 50 l/min equipped with 4 m delivery hose, aluminium delivery nozzle and 2 m cable.

53710

**Diesel Transfer Pump Kit 230 V / 70 l/min.**

230 V AC diesel transfer pump 70 l/min equipped with 4 m delivery hose, aluminium delivery nozzle and 2 m cable.

53713

**Diesel Transfer Pump Kit 24 V- 40 l/min.**

24 V diesel transfer pump equipped with 4 m x Ø 19 mm delivery hose, aluminium delivery nozzle and 2 m cable with alligator clamps.

53711

Diesel Transfer Pump Kit 12 V- 40 l/min.

12 V diesel transfer pump equipped with 4 m x Ø 19 mm delivery hose, aluminium delivery nozzle and 2 m cable with alligator clamps.

53712

Diesel Transfer Pumps

Self priming pumps with self-adjustable vanes. Pump body made of cast-iron with rustproof treatment, rotor of sintered steel and vanes of acetyl resin. The pump includes a by-pass valve and a built in filter with easy access for cleaning.

230V Diesel Transfer Pump, 50 l/min
 230V Diesel Transfer Pump, 70 l/min
 24V Diesel Transfer Pump, 43 l/min
 24V Diesel Transfer Pump, 65 l/min
 12V Diesel Transfer Pump, 40 l/min
 12V Diesel Transfer Pump, 60 l/min

53740
 53741
 53735
 53736
 53730
 53731

**Mobile Diesel Refuelling Unit 200 l**

Mobile container for diesel 200 l, road transport permitted under exemption in ADR 1.1.3.1c. Complete unit with pump and diesel nozzle.

53750

The container of 200 l is made of Polyethylene and is equipped with refilling lid with integrated air bleeder. The container holds low main point and is designed so it can be lifted with a forklift. The 12 V DC electric pump has a 4 m cable and gives a flow of 40 l/min. The pump is mounted on the container and is equipped with 4 m distribution hose and an automatic diesel nozzle.

Dimensions (L x W x H): 800 x 600 x 590 mm
 Weight empty approx. 25 kg.



Accessories and Diaphragm Diesel Pumps

Diesel Pump Accessories

Description	Information
Diesel meter	100 l/min. Reliable, easy to install and simple to calibrate. G1" (f) inlet and outlet, both with flange for flange mounted applications. Maximum pressure: 10 bar. Flow range: 10 to 100 l/min. Precision after calibration: ± 1%.
Automatic nozzle	Fluid inlet: G1" (f). Maximum delivery: 45 l/min.
Automatic nozzle	Fluid inlet: G1" (f). Maximum delivery: 80 l/min.
Manual nozzle	Fluid inlet: G1" (f). Maximum delivery: 100 l/min. Includes inlet swivel and lockable trigger.
Inlet swivel	For G1" (f) nozzles. Inlet/outlet threads: G1" (f).
Spare vanes	For the Diesel pumps.
Suction hose	Ø 25 mm x 5 m suction hose with foot valve. G1" (m)
Suction attachment	with telescopic suction tube - 1.000/1.800 mm. G1" (m), G2" bung adaptor and foot valve with filter.

Air Operated Diaphragm Pump 1:1

Transfer pump for connection to bulk tank or drum. Double acting air operated pump for transferring oil and non-corrosive liquids.

Pressure ratio 1:1	Capacity
	22210 Max 50 l/min., free flow at 0,7 MPa (7 bar).
	22310 Max 100 l/min., free flow at 0,7 MPa (7 bar).
	22330 Max 250 l/min., free flow at 0,7 MPa (7 bar).
Air pressure	0,15 MPa (1,5 bar) - 0,7 MPa (7 bar)
Connections	Air: 22210, 22310 G3/8" (f) 22330 NPSM 1/2" (f)
	Oil: 22210 inlet-outlet G1" (f) 22310 inlet-outlet G1" (f) 22330 inlet-outlet G1 1/2" (f)

Installation Kit for Diaphragm Pump

Components for an air operated Diaphragm pump, for 205 l drums and 1.000 l IBC containers.

Information
 Air line hose (48001) 1/4" L= 1,5 m
 Oil line hose (28079) 3/4" L= 1,5 m
 Suction hose 28310 L= 2,0 m and suction tube L= 1,0 m

Installation kit for 22210 with air treatment unit
 Installation kit for 22210 without air treatment unit
 Installation kit for 22310 with air treatment unit
 Installation kit for 22310 without air treatment unit

Note: Pump not included, ordered separately.

Fuel Suction Unit for gasoline, E85 & diesel

Suction removal directly from vehicle tanks. The unit includes a 120 l container, air operated pump with a capacity of 7 l/min, fluid filter, hose and adaptors. The unit meets all the requirements for explosive environments.

Description
 Fuel Suction Unit 120 l with hose and adaptors

Part No

23610

23605

23608

23606

23607

2446080

28321

23609

23610



23609



23606



23605



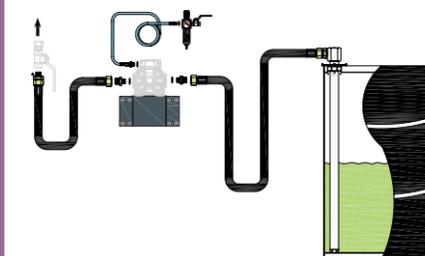
22310



22330



Body	Valves	Diaphragm	Other wetted materials
22210 Aluminium	Acetal	Hytrel®	Teflon®, Viton®, NBR, St. steel
22310 Aluminium	Hytrel®	Hytrel®	Teflon®, NBR, St. steel
22330 Aluminium	Acetal	Hytrel®	NBR, St. steel



99666
 99766
 99667
 99767



29555

Spring Operated Hose Reels for Diesel

Series ORK

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
6	19 - 3/4"	G3/4" (f)	7,5	75

Part No

35151

Series ORL

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
20	12,5 - 1/2"	G1/2" (f)	7,5	75
15	19 - 3/4"	G3/4" (f)	7,5	75

25436

25455

Series LOR

Open hose reel with steel braided, oil resistant rubber hose.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
20	19 - 3/4"	G3/4" (f)	6	60
15	25 - 1"	G1" (f)	6	60

25556

25565

Series ORB

Extra Heavy Duty open hose reel with longer hose lengths. All hoses are fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
25	19-3/4"	G3/4" (f)	7,5	75
15	25,4-1"	G1" (f)	7,5	75

25657

25665

Series CRO

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
6	16 - 5/8"	G1/2" (f)	7,5	75

36241



Anti-splash Funnels

Description

Ø 190 mm Funnel with anti-splash rim, filter and flexispout.
 Ø 230 mm Funnel with anti-splash rim, filter and flexispout.

Garage Funnels

Description

300 mm Garage funnel with filter.
 300 mm Garage funnel c/w diesel/water separator filter.

Plastic Jerry Cans

Suitable solution for storing and supplying fuel. Manufactured in a resistant red opaque HDPE. Product includes cap to avoid spillage and spout to ease delivery. They are ideal for keeping a fuel safety stock or for manually refuelling machines or vehicles where needed. There are three sizes available, all of them UN Approved.

Description	Volume
Jerry Can, HDPE	5 l
Jerry Can, HDPE	10 l
Jerry Can, HDPE	20 l

Metal Jerry Cans

Suitable solution for storing and supplying fuel. Manufactured in a resistant sturdy metal construction with protective paint. Product includes cap to avoid spillage. They are ideal for keeping a fuel safety stock or for manually refuelling machines or vehicles where needed. There are three sizes available, all of them UN Approved. Outlet spout not included.

Description	Volume
Jerry Can, Metal	5 l
Jerry Can, Metal	10 l
Jerry Can, Metal	20 l

Accessories

Outlet spout

Part No

21632
2160521606
2160721675
21676
2167721685
21686
21687

21690



21685



21686



21687



Trattar och Bränsledunkar

Notes:

A large rectangular area with a rounded top-left corner, containing numerous horizontal dotted lines for writing notes.



7 AdBlue®

Electric Pumps.....	90
Air Operated Pumps	91
Hose Reels	92
Nozzles & Hand Operated Pumps.....	93
Accessories	94



AdBlue® Electric Pumps

Electric 230 V AC Diaphragm Pump

Self-priming electric pump suitable for professional transfer of AdBlue® and other water-based non corrosive fluids from IBCs, drums or other containers.

Voltage	230 VAC
Power	400 W
Capacity	Max 31 l/min
Max working pressure	1,6 bar
Max suction height	1,8 m
Inlet and outlet threads	G1" (m)

Part No

55520



Electrical 12/24 V DC Diaphragm Pump

Self-priming electric pump suitable for professional transfer of AdBlue® and other water-based non corrosive fluids from IBCs, drums or other containers.

Capacity	Max 35 l/min
Max working pressure	1,6 bar
Max suction height	1,8 m
Inlet and outlet threads	G1" (m)

12 VDC, motor power 260 W
 24 VDC, motor power 310 W

55530

55531



Distribution Kit with Electric Pump

Consisting of electric diaphragm pump, 2,5 m suction hose with foot valve and 4 m outlet hose with manual nozzle.

With 230 VAC pump 55520
 With 12 VDC pump 55530
 With 24 VDC pump 55531

75010

75011

75012



Distribution Kit with Electric Pump 230 VAC and Meter

Consisting of electric diaphragm pump 230 VAC, pump bracket for IBC or plastic drums, 1,5 m suction hose with connection adapter for suction tube, 4 m outlet hose with meter and manual nozzle or automatic nozzle.

With manual nozzle
 With automatic nozzle

75015

75016



Mobile AdBlue® Dispenser with Electric Pump 230 VAC and Meter

Consisting of drum trolley with electric diaphragm pump 230 VAC, 1,5 m suction hose with suction strainer and 3 m outlet hose with automatic nozzle. Electric cable reel for increased operating range available as an accessory sold separately.

With automatic nozzle

75020

Accessories

Electric cable reel 15m x 1,5 mm²
 Bracket for cable or hose reel

53621

28654



Air Operated AdBlue® Pumps

Air Operated Diaphragm Pump 1:1

Air operated transferpump for AdBlue® etc.
 Manufactured in Polypropylene with diaphragms in Hytrel.

Pressure ratio 1:1	
Capacity	22206 Max 30 l/min., free flow, at 0,7 MPa, (7 bar). 22230 Max 50 l/min., free flow, at 0,7 MPa, (7 bar).
Air pressure	0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)
Connections	Air: G3/8" (f) Liquid: 22206 inlet-outlet G3/8" (f) 22230 inlet-outlet G1/2" (f)

Part No

22206

22230



Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated pump with drum suction attachment (205 l drum)

Information

Air line hose 1,5 metre x 1/4" bore hose
 Line hose 1,5 metre
 Drum suction attachment, tube length = 1,08 m

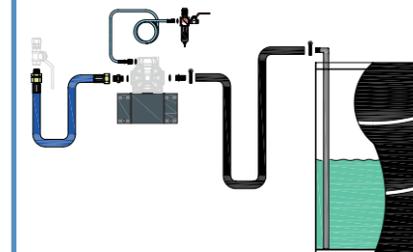
Incl FRL-unit

Excl FRL unit

Note! Pump not included!

99668

99768



Distribution Kit with Air Operated Diaphragm Pump for Trucks

Consisting of air operated diaphragm pump 22230, pump bracket for plastic drums or IBCs 75300, 1,5 m suction hose with connection adapter for suction tube and 3 m outlet hose with nozzle.

Distribution kit with manual nozzle
 Distribution kit with automatic nozzle

75050

75051



Distribution Kit with Air Operated Diaphragm Pump for Cars

Consisting of air operated diaphragm pump 22206, pump bracket for plastic drums or IBCs, 1,5 m suction hose with connection adapter for suction tube and 3 m outlet hose with nozzle.

Distribution kit with manual nozzle 2468070
 Distribution kit with hose end meter 24145
 Distribution kit with hose end meter with overfilling indication 24146

75055

75056

75057



Mobile AdBlue® Dispenser with Air Operated Diaphragm Pump and Meter

Consisting of drum trolley with air operated diaphragm pump 22206, 1,5 m suction hose with suction strainer and 3 m outlet hose with automatic nozzle. Air hose reel for increased operating range available as an accessory sold separately.

With automatic nozzle

75060

Accessories

Hose reel CRS 15m x 5/16"
 Bracket for cable or hose reel

46315

28654



AdBlue® Pumps & Hose Reels

Mobile AdBlue® Dispenser with Air Operated Diaphragm Pump

Consisting of drum trolley with plastic drum, air operated diaphragm pump, 1,5 m suction hose with suction strainer and 3 m outlet hose with manual nozzle.

At for example repair, the unit can be used to evacuate the AdBlue® from a vehicles tank and then refill with the same fluid.

Part No

75000



Series ORS

Open hose reel of aluminium with thermoplastic drum, fitted with stainless steel swivel and stainless steel swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working pressure MPa bar
10	12,5 - 1/2"	G1/2" (f)	7,5 75

75232



Series OR

Open stainless steel hose reel with longer hose lengths, fitted with stainless steel swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Comment
20	12,5 - 1/2"	G1/2" (f)	Stainless steel
15	19 - 3/4"	G3/4" (f)	Painted steel

24971
75355

Series ORL

Length m	Diameter mm-inch	Conn. threads	Work. Pressure MPa bar
15	19 - 3/4"	G3/4" (f)	2 20

65455



Series CRO

Enclosed hose reel with stainless steel swivel and swaged fittings. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

Length m	Diameter mm-inch	Conn. threads
10	12,5 - 1/2"	G1/2" (f)

76232



AdBlue® Nozzles & Hand Operated Pumps

AdBlue® Nozzles

Description	Max. flow	Inlet
Automatic Nozzle	45 l/min.	Ø 19 mm with swivel (Magnetic ring for opening the valve is not required)
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel

Part No

23577

23580

2468070

23577



23580

2468070

AdBlue® Hose End Meter

AdBlue® nozzle with digital meter. One model featuring an electronic indication when the container is full to prevent over-filling.

Description	Max. flow	Connection	Max pressure
Hose End Meter	50 l/min.	G1/2" (m) with swivel	3 MPa
Hose End Meter with overfilling indication	50 l/min.	G1/2" (m) with swivel	3 MPa

24145

24146

24146



AdBlue® Meter

AdBlue® meter with big display for simple installation. The meter can be installed directly on the control valve or at the end of the hose. The electronics is powered by two batteries for easy changing.

Technical information
Accuracy: +/- 1%. Can be calibrated

Description	Max. flow	Connection	Max pressure
Turbine meter	120 l/min.	G1" (m) (f-f adapter incl.)	1 MPa
PVC meter	50 l/min.	G1/2" (f)	3 MPa
Stainless steel meter	50 l/min.	G1/2" (f)	10 MPa

24759

24773

24777

24759



24773

24777



Hand Operated Drum Pump

Made of polypropylene with EPDM or Viton seals. Delivered with telescopic suction tube and G2" drum adapter.

Description	Color	Suction tube length	Seal material	Capacity
Drum pump	black/blue	350-980 mm	EPDM	0,5 l/slag
Drum pump	black/blue	480-950 mm	Viton	0,3 l/slag

21131

21122

Accessory
2 m delivery hose in EPDM with outlet valve

28400

21131



21122

Rotary Pump

Rotary pump made of polypropylene with Ø 27 mm outlet pipe and G2" (m) bung adapter.

Description	Suction tube Length.	Suction tube diam.	Capacity (approx.)
Vevpump	280 - 1.030 mm	Ø 44 mm	0,3 l/turn

21200



Distribution Kit with Hand Operated Drum Pump

Consisting of hand operated drum pump, pump bracket for IBC, 1,5 m suction hose with connection adapter and 2 m outlet hose.

75100



AdBlue® Accessories

Drum Adapters

Description	Information
Adapter	G2" (f) - Trisure Ø 55 mm, pitch approx. 4 mm (m)
Adapter	G2" (f) - Multi adapter with locking screw Ø55-65 mm (f)
Adapter	G2" (f) - Midland
Adapter	G2" (f) - Mauser Ø 68 mm, pitch approx. 6 mm (m)
Adapter	G2" (f) - Berg Ø 53 mm, pitch approx. 3,5 mm (f)
Adapter	G2" (f) - DIN 70 (f) pitch approx. 6 mm
Adapter	G2" (f) - DIN 61 (f) pitch approx. 5 mm (IBC)
Adapter	G3/4" (f) - Trisure Ø 55 mm, pitch 4 mm (m)
Adapter	G3/4" (f) - DIN 70 (f) pitch approx. 6 mm
Adapter	DIN 61 pitch approx. 5 mm (IBC) - hose tail 25 mm (1")

Part No

28235
28236
28234
28238
28239
2310035
2310034
2310037
2310038
28339



Accessories

Telescopic suction tube with suction tube adaptor for drums and IBC
 Hose tail 20mm

2410046

Hose fitting G1" (f) - D20 mm
 Hose fitting G1" (f) - D25 mm
 Hose fitting G1" (m) - D20 mm
 Hose fitting G3/4" (m) - D13 mm
 Hose fitting G1/2" (m) - D13 mm
 Hose fitting G1/2" (m) - D20 mm

7350012
7350013
7350009
7350016
7350006
7350008

Adapter G1/2" (m) - G3/4" (f)
 Adapter G1/2" (m) - G1/2" (m)

7350005
7350015

Foot valve, connection G1" (f)
 Check valve, connection 2 x G1" (f)

7350020
7350021

Hose clamp 12 - 22 mm
 Hose clamp 16 - 25 mm
 Hose clamp 20 - 32 mm

72101126
72101081
72101087

Pump bracket for plastic drums and IBC

75300

Distribution hose 1/2" (per m)
 Suction hose 1/2" (per m)
 Suction hose 3/4" (per m)

14095008
14611008
14611012

2410046

7350012



7350013

7350020

7350021



72101081



75300



14611008





8 Hose Reels

Information.....	96
Series ORK.....	96
Series ORM.....	96
Series ORS.....	97
Series OR.....	97
Series ORL.....	98
Series LOR.....	98
Series ORB.....	99
Series CRO.....	100
Series CRS.....	100
Cable Reels.....	100
Workshop Tower, Stand, Brackets.....	101

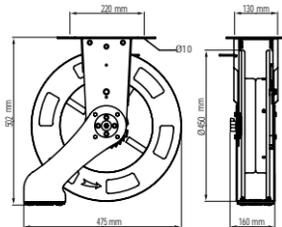


Hose Reels, Open

Wherever longer hoses are required it is strongly recommended that hose reels are used. There are several advantages in using hose reels, such as longer hose life, increased safety and improved efficiency. Once installed the hose is always readily available but can be retracted out of the way when not in use. Hose free floors will reduce the risk of accidents due to tripping and will also aid identification. As a consequence they help to increase the efficiency and hence the profitability of the workshop. Hose reels can be installed on the wall or ceiling or to special frameworks. We recommend that they should be installed at least 2,5 meters above the floor.

Series ORK

Open hose reels for air, water, oil, grease and waste oil suction. Manufactured in sheet metal, painted in grey. The air and water reels have a simple cord braided hose and the oil and grease reels have a steel braided hydraulic hose. All hoses are fitted with swaged couplings. The Vacuum hose reel is specially designed for this purpose and the hose is fitted with a waste oil nozzle for quick connection of probes.



Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	10	10 - 3/8"	2,0 - 20
Oil/ Air	10	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	40 - 400
Waste oil suction	6	19 - 3/4"	Vacuum
Various	max. 10	without hose	7,5 - 75

Pivoting wall bracket

Part No

45122

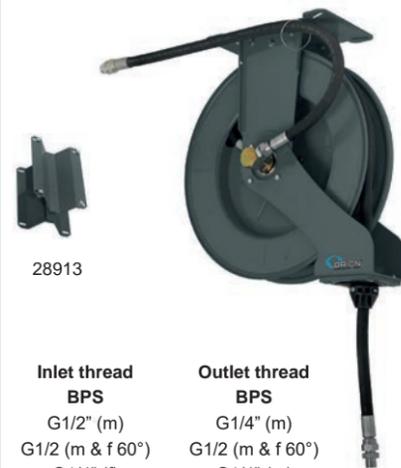
25132

15112

35151

25102

28913



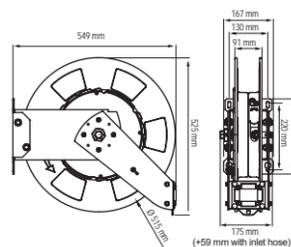
28913

Inlet thread
BPS
G1/2" (m)
G1/2 (m & f 60°)
G1/4" (f)
G3/4" (f)
G1/2" (f) swivel

Outlet thread
BPS
G1/4" (m)
G1/2 (m & f 60°)
G1/4" (m)
G3/4" (f)
G3/8" (f) shaft

Series ORM

Open hose reel for air, water, oil and grease. Manufactured in sheet metal, painted in grey. The air reels have a simple cord braided hose and oil and grease reels have a steel braided hydraulic hose. All hoses are fitted with swaged couplings.



Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	15	12,5 - 1/2"	2,0 - 20
Oil/ Air	15	12,5 - 1/2"	7,5 - 75
Grease	15	10 - 3/8"	40 - 400
Hot water	15	10 - 3/8"	18 - 180
Various	max. 15	without hose	7,5 - 75
Wind screen wash	15	12,5 - 1/2"	7,5 - 75

Pivoting wall bracket

45135

25135

15125

55125

25105

65125

28913



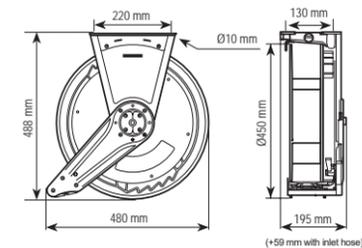
28913

Inlet thread
BPS
G1/2" (m)
G1/2 (m & f 60°)
G3/8" (f)
G1/2" (f)
G1/2" (f) swivel
G1/2 (m & f 60°)

Outlet thread
BPS
G1/2" (m)
G1/2 (m & f 60°)
G3/8" (f)
G3/8" (m)
G3/8" (m)
G1/2 (m & f 60°)

Series ORS

Open single arm hose reel with longer hose lengths for oil, grease, air and water. If mounted to the ceiling the hose guide must be located to give correct hose direction. All hoses are fitted with swaged couplings.

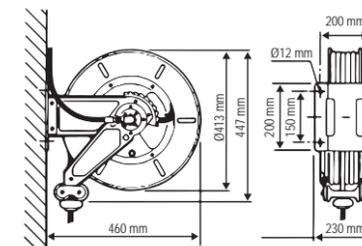


Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	10	10 - 3/8"	1,5 - 15
Air/Water	15	10 - 3/8"	1,5 - 15
Air/Water	15	12,5 - 1/2"	1,5 - 15
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	35 - 350
Grease	15	10 - 3/8"	35 - 350
Hot water, max 150 °C	15	10 - 3/8"	18 - 180
Wind screen wash/ Degreaser	10 15	12,5 - 1/2" 12,5 - 1/2"	7,5 - 75 7,5 - 75
Waste oil suction	6	16 - 5/8"	Vacuum
AdBlue®	10	12,5 - 1/2"	7,5 - 75
Various	10	Without Hose	

Pivoting wall bracket

Series OR

Open hose reel with longer hose lengths for oil, grease, air and water. If mounted to the ceiling the hose guide must be located to give correct hose direction. All hoses are fitted with swaged couplings.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Air	20	12,5 - 1/2"	1,8 - 18
Oil/ Air	20	12,5 - 1/2"	6 - 60
Grease	15	10 - 3/8"	40 - 400
Hot water / st. steel	20	10 - 3/8"	18 - 180
AdBlue® / st. steel	20	12,5 - 1/2"	6 - 60
AdBlue®	15	19 - 3/4"	6 - 60
Various	max. 20	without hose	40 - 400

Pivoting wall bracket

Welding Hose reel
Oxygene/Propan 15 Twin 10 mm

Part No

45222

45225

45235

25232

25235

15212

15225

55225

65222

65225

35241

75232

25205

28913

Hose Reels, Open



Inlet thread BSP	Outlet thread BSP
G1/2" (f)	G3/8" (m)
G1/2" (f)	G3/8" (m)
G1/2" (f)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/4" (f)	G1/4" (m)
G3/8" (f)	G1/4" (m)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)

28913



Inlet thread BSP	Outlet thread BSP
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G3/4" (f)	G3/4" (f)
Connection thread	G3/8" (f)

28902

44465

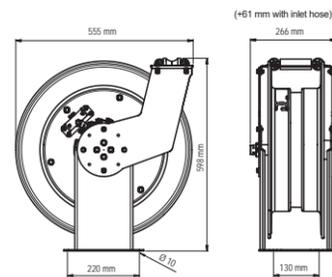


44465

Hose Reels, Open

Series ORL

Heavy duty open hose reel with longer hose lengths for oil and air. All hoses are fitted with swaged couplings.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Oil/Air/Diesel	20	12,5 - 1/2"	7,5 - 75
Oil/Air/Diesel	15	19 - 3/4"	7,5 - 75
Grease	20	12,5 - 1/2"	24 - 240
Wind screen wash / AdBlue®	15	19 - 3/4"	2 - 20
Oil/Air/Diesel	max. 20	Without hose	7,5 - 75

Part No

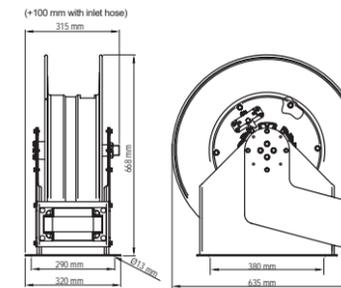
25436
25455
15436
65455
25406



Inlet thread BSP	Outlet thread BSP
G1/2" (m & f 60°)	G1/2" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G1/2" (m & f 60°)	G1/2" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G1/2" (f) swivel	G1/2" (m) shaft

Series ORB

Extra Heavy Duty open hose reel with longer hose lengths for oil and air. All hoses are fitted with swaged couplings.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Oil/Air	30	12,5 - 1/2"	7,5 - 75
Oil/Air	20	19 - 3/4"	7,5 - 75
Oil/Air	25	19 - 3/4"	7,5 - 75
Oil/Air	15	25,4 - 1"	7,5 - 75
Air/Water	15	25,4 - 1"	1,5 - 15
Air/Water	30	12,5 - 1/2"	1,5 - 15
Oil/Air/Water/Diesel	15 or 20	25,4 - 1" or 19-3/4"	
Oil/Air/Water/Diesel	25 or 30	19-3/4" or 12,5-1/2"	

Part No

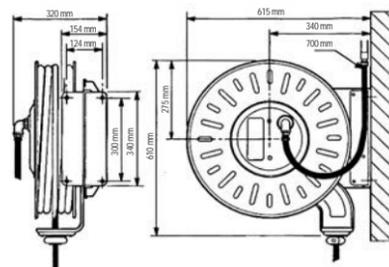
25638
25656
25657
25665
45665
45638
25606
25608



Inlet thread BSP	Outlet thread BSP
G1" (m & f 60°)	G1/2" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G1" (m & f 60°)	G1" (m & f 60°)
G1" (m & f 60°)	G1" (m & f 60°)
G1/2" (m & f 60°)	G1/2" (m & f 60°)
Without hose	Without hose

Series LOR

Open hose reel for oil, grease, air and water. Steel braided, oil resistant rubber hose. Max temperature +50°



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Oil/ Air	25	12,5 - 1/2"	6 - 60
Oil/ Air	20	19 - 3/4"	6 - 60
Oil/ Air	15	25 - 1"	6 - 60
Grease	25	10 - 3/8"	40 - 400
Hot water, max. 150 °C	25	10 - 3/8"	40 - 400
Hot water, max. 150 °C	25	12,5 - 1/2"	30 - 300
Hot water/Stainless max. 150 °C	25	12,5 - 1/2"	30 - 300
Stainless steel	25	Without swivel and hose	
Steel	25	Without swivel and hose	

28904

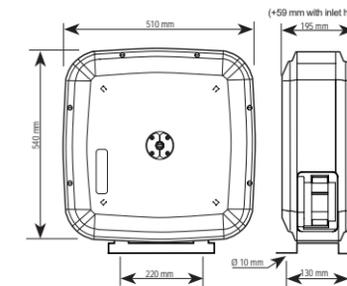


Inlet thread BSP	Outlet thread BSP
G1/2" (f)	G1/2" (f)
G3/4" (f)	G3/4" (f)
G1" (f)	G1" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)

For hose and swivels see www.alentec.com
For hose and swivels see www.alentec.com

Series CRO

A medium sized enclosed hose reel for different types of media. For example air, water, oil or grease. The hose reel can be mounted on the ceiling, the wall or the floor. The Vacuum hose reel is specially designed for waste oil suction, the hose is fitted with a waste oil nozzle for quick connection of probes.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water, Rubber-hose	10	10 - 3/8"	1,5 - 15
Air/Water, Rubber-hose	15	10 - 3/8"	1,5 - 15
Air/Water, Rubber-hose	15	12,5 - 1/2"	1,5 - 15
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	35 - 350
Grease	15	10 - 3/8"	35 - 350
Hot water, max 150 °C	15	10 - 3/8"	17 - 170
Wind screen wash/ Degreaser	10 / 15	12,5 - 1/2"	7,5 - 75
Waste oil suction	6	16 - 5/8"	Vacuum
AdBlue®	10	12,5 - 1/2"	7,5 - 75
Various	10	Without hose and swivel	

Pivoting wall bracket

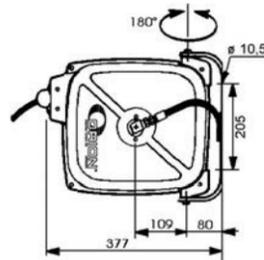
28913



Inlet thread BSP	Outlet thread BSP
G1/2" (m)	G3/8" (m)
G1/2" (m)	G3/8" (m)
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/4" (f)	G1/4" (m)
G3/8" (f)	G1/4" (m)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)

Series CRS

Enclosed hose reel for air and water, complete with pivoting wall bracket. Hoses have swaged couplings.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar	Part No
Air/Water	12	8 - 5/16"	2 - 20	46314
Air/Water	15	8 - 5/16"	2 - 20	46315
Air/Water	10	10 - 3/8"	2 - 20	46322
Air/Water	12	10 - 3/8"	2 - 20	46324

Electric Cable Reels

Electric cable reels with impact resistant plastic covers. Supplied with earth connection and cable.

Media	Cable lengths metre	Cable	Power Volt	Max capacity Watts	Part No
Electric cable	6	HO5VV - F 3 x 1,5 mm2	230	2.000	53611
Electric cable	10	HO5VV - F 3 x 1,5 mm2	230	2.000	53621
Electric cable	15	HO5VV - F 3 x 1,5 mm2	230	2.000	53631
Electric cable	20	H07RN - F 5 x 1,5 mm2	400	3.000	53640

Inlet thread BSP	Outlet thread BSP
hose 8-5/16"	G1/4" (m)
hose 8-5/16"	G1/4" (m)
G3/8" (m)	G3/8" (m)
G3/8" (m)	G3/8" (m)



Drip Pan

For use below hose reels to prevent liquid dripping on the floor. Made in stainless steel.

Description	Length	Part No
Drip pan, wall hanged	700 mm	24203
Drip pan, wall hanged	1.000 mm	24204
Drip pan, wall hanged	1.250 mm	24205
Drip pan, wall hanged	1.500 mm	24206
Drip pan, ceiling mounted with four 2 metre chains.	1.250 mm	24207

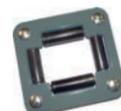


Hose Outlet Roller guide

Additional hose outlet roller guide, used when mounting a hose reel in a cabinet. Max. hose dimension Ø 25 mm

Description	Dimension	Part No
Hose Outlet	110 x 110 mm	2145998

2145998



Mounting Rack

Mounting racks are used to facilitate the mounting of several hose reels. Time is reduced and the work can easily be done by one person. Pre-drilled holes for ORK, ORM,ORS, ORL, CRK and CRO reels.

Description	L x W x H (mm)
For up to two reels	550 x 310 x 60
For up to three reels	825 x 310 x 60
For up to three reels	1.375 x 310 x 60

Support Post for Hose Reels

To mount one or two reels (side by side). Easy to assemble. Pre-drilled holes.

Description	For reels
Support Post, (H 2.400 x 400 x 320 mm)	ORK, ORM, ORS, CRK, CRO (side by side)

Service Stands for 3 or 5 Reels

Standard service stand, for up to five hose reels, manufactured in grey laquered steel. Pre-drilled holes for ORK, ORM, ORS, ORL, CRK and CRO reels. The stand is delivered complete as per picture. Dimensions H x W x D 2.400 x 1.300 x 310 mm

Description	H	W	D
For three hose reels	2.220	1.200	400 mm
For five hose reels	2.220	1.750	400 mm

Service Stand

Standard service stand, for up to six hose reels, manufactured in grey laquered steel. The stand has a drip tray. Pre-drilled holes for ORK, ORM, ORS, ORL, CRK and CRO reels.

Dimensions (H x W x D) 2.600 x 1.543 x 760 mm
For reels ORK, ORM, ORS and CRK.

Dimensions (H x W x D) 2.600 x 1.972 x 760 mm
For reels ORK, ORM, ORS, ORL, CRK and CRO.

Bracket for exhaust reel
Bracket for two extra hose reels
Height extension kit (makes the stand 500 mm higher)

Part No

 92182
 92183
 92185


92170



92173


 92173
 92175

92190

92192

 92194
 92195
 92193


Hose Reel, Accessories

Service Tower, Small

The workshop tower can be equipped with a variety of product and provides a single source center for oil, grease, antifreeze, air and exhaust systems. Supplied without equipment.

Description

Service tower, without hose reel mounting rack
 Dimensions (H x W x D) 3.000 x 2.150 x 500 mm

Service tower, with hose reel mounting rack for 3 reels
 Dimensions (H x W x D) 3.000 x 2.150 x 825 mm

Service tower, with hose reel mounting rack for 5 reels
 Dimensions (H x W x D) 3.000 x 2.150 x 1.375 mm

Part No

92176

92177

92178



Service Tower, Large

The workshop tower (height 3,5 m) can be equipped with a variety of product and provides a single source center for oil, grease, antifreeze, air and exhaust systems. Supplied without equipment.

Description

Service tower, for one exhaust reel
 Dimensions (H x W x D) 3.580 x 2.350 x 1.650 mm

Service tower, for two exhaust reels
 Dimensions (H x W x D) 3.580 x 3.000 x 1.650 mm

Concrete fastener (floor bracket), Zinc plated (850 x 850 mm)

92165

92169

92124





9 Hose End Control

Grease Control Valves.....	104
Grease Control Valves with Digital Meter	105
Water and Antifreeze Control Valves	106
Detergent and Air Control Valves	107
Diesel & AdBlue® Control Valves.....	108
Oil & Glycol Control Valves.....	109
Control Valves for Oil, Water, etc.....	110
Mechanical Hose End Meters.....	111
Hose End Meters for Oil	112..114
Accessories for Hose End Control Valves	115
Line Meters.....	116 ..117



Grease Control Valves

Grease Control Valve

Control valve with outlet tube and nozzle, connection thread G1/4" (f), PN 50 MPa (500 bar), weight 550 gr.

Description	Conn. thread	Max pressure
Grease control valve	G1/4" (f)	50 MPa (500 bar)
Grease control valve w. Z-swivel	G1/4" (f)	50 MPa (500 bar)

Part No

14612
14615

Grease Control Valve Component Kit

Comprises a grease gun (14612) with inlet adapter (G1/4"), Z-swivel and 450 mm flexible outlet hose.

Note! Adapter 25102032 is required when 3/8" hose reel is used.

99600

25102032

Grease Control Valve - High Pressure

Pressure can be increased to 80 MPa (800 bar) by pumping the handle. Inlet filter and release valve included.

Description	Conn. thread	Max connection pressure
Grease control valve	G1/4" (m)	50 MP (500 bar)

With inlet filter and relief valve.

NOTE! Do not use with outlet hose.

14625

Grease Control Valve - High Pressure

Pressure can be increased to 80 MPa (800 bar) by pumping the handle.

Description	Conn. thread	Max connection pressure
Grease control valve	G1/4" (f)	50 MP (500 bar)

NOTE! Do not use with outlet hose.

14626

Grease Control Valves with Digital Meter

Grease Meter

Digital grease meter, equipped with current dispense display and resettable and non-resettable totalisors. Digital display powered by two 1,5 V AAA batteries.

Max working pressure 50 MPa (500 bar)
Max flow 1.000 gr/min. Accuracy +/- 3 %.

Description	Connection thread	Max working pressure
Meter with control valve	G1/4" (f)	50 MPa (500 bar)
Inline meter	G1/8" (f)	50 MPa (500 bar)
Line meter with pulse transmitter output.	G1/8" (f)	50 MPa (500 bar)

Part No

14720
14710
14730

Swivels for Grease

Makes it possible to handle grease hoses with ease even at high pressure. For best results use a straight swivel between pump and distribution hose and a Z-swivel between hose and grease control valve.

Description	Connection threads	Max. pressure
Straight swivel	G1/4" (m) - G1/4" (f)	50 MPa (500 bar)
Z-swivel	G1/4" (m) - G1/4" (f)	50 MPa (500 bar)
Z-swivel	1/4" NPT (m) - 1/2" - 27. (m)	50 MPa (500 bar)
Z-swivel	G1/8" (m) - G1/4" (f)	50 MPa (500 bar)
Adapter	G 3/8" (m) - G1/4" (m)	50 MPa (500 bar)
Adapter (0105-2)	G1/8" (f - f)	50 MPa (500 bar)
Adapter	G1/4" (m) - 3/8" NPTF (m)	50 MPa (500 bar)

18070
18071
18072
18073
25102032
25101915
25102737

Outlet Hoses for Grease Control Valves

High pressure hose, 3/16" i.d., Nitrile rubber with one Nylon braid, PN 50 MPa (500 bar) and swaged couplings.

Description	Hose length	Conn. thread
Outlet hose	200 mm	G1/8" (m-m)
Outlet hose	300 mm	G1/8" (m-m)
Outlet hose	450 mm	G1/8" (m-m)
Outlet hose	1000 mm	G1/8" (m-m)
Outlet hose	2500 mm	G1/8" (m-m)

14042
14043
14044
14047
14052

Water Control Valve

Water control valve, various connection options using adapters.

Description
 Water control valve with rubber nozzle. G1/4" (f)
 Water control valve with rubber nozzle. G3/8" (f)
 Water control valve with rubber nozzle. G1/2" (f)

Water control valve. G1/4" (f)
 Water control valve. G3/8" (f)
 Water control valve. G1/2" (f)

Part No

24105
 2410564
 2410561

24106
 2410664
 2410661



Control Valve for Water Based Fluids

Water control valve with special flexible rubber outlet to prevent foaming.

Description
 Water control valve with swivel G1/2" (m)
 Water control valve with swivel G1/2" (f)
 Water control valve with swivel G3/8" (f)

2468060
 2468061
 2468064



Hose end Meter for Water Based Fluids

Digital hose end meter for water based fluids, powered by 2 replaceable AAA 1,5 V alkaline batteries. The meter is fitted with a special flexible rubber outlet to prevent foaming and a check valve 28345. Flow range: 5 to 15 l/min. Max work pressure: 4 MPa (40 bar).

Description
 Water control valve with meter 24140 and swivel G1/2" (m)
 Water control valve with meter 24140 and swivel G1/2" (f)
 Inline meter G1/2" (f)

Water control valve with meter 24773 and swivel G1/2" (m)

Description **Max pressure**
 PVC Inline meter G1/2" (f) 3 MPa (30 bar)
 Stainless Steel Inline meter G1/2" (f) 10 MPa (100 bar)

24142
 24141
 24140
 24145
 24773
 24777



Wash Handle

Heavy duty wash control gun made of rubber covered die-cast brass. Flow pattern regulated by the trigger. Max pressure 3 MPa (30 bar). Connection thread G1/2" (f).

Description
 Wash control gun G1/2" (f)
 Wash control gun G3/8" (f)

28182
 2818264



Wash Handle

Straight form wash nozzle with on/off and flow pattern regulated by turning the sleeve. Supplied with 1/2" hose connection.

Description **Max pressure**
 Wash nozzle with 1/2" hose bore in brass 10 bar
Should not be under pressure when closed!
 Bare hose adapter G1/2" (m) with 60° cone for 28268 2085398
 Wash nozzle with 1/2" hose bore in brass 16 bar 28368
 Bare hose adapter with hose bore 3/4" for 28368 38220812
 Wash nozzle with G1/2" (f) connection in stainless steel 16 bar 28369

28268
 28368
 28369



Wash Handle

Heavy duty wash handle made of die-cast brass with rubber covered handle. Supplied with two nozzles, 2 and 4 mm jet holes. Flow pattern adjustable with control knob. Max pressure 3 MPa (30 bar).

Description
 Wash handle for 1/2" hose connection in brass
 Wash handle for 3/4" hose connection in brass

Part No

16004
 16006



Spray Handle with Spray Tube

Designed for use with detergents. Consists of a brass valve body with 580 mm brass outlet tube and two nozzles, one with an adjustable spray pattern. Connection thread. G 3/8" (m).

Description
 Spray handle with spray tube
 Spare adjustable nozzle

24029
 550012



Spray Handle with Spray Tube

Designed for use with detergents. Consists of a thermoplastic valve body with an brass outlet tube. Two different spray nozzles for water- and petroleum based detergents. Connection G1/2" (f).

Description **Outlet tube**
 Spray handle with spray tube 500 mm
 Spray handle with spray tube 915 mm
 Spare adjustable nozzle

24098
 24099
 550012



High Pressure Swivel in Brass

Designed for use with detergents. Connection G3/8" (f-m). Max pressure 25 MPa (250 bar).
Description
 High pressure swivel

24518



Blow Gun

Blow gun for efficient cleaning, made of impact resistant plastic with ergonomically designed handle. Tube length approx. 100 mm. Connection thread, G1/4" (f)

Description **Connection thread.** **Weight (approx.)**
 Blow Gun G1/4" (f) 100 g

44503



Industrial Blow Gun

Blow gun manufactured with a durable cast aluminum body with ergonomic grip. Includes a safety nozzle that increases the air thrust with a reduction of the noise level and minimum air consumption.

Description **Conn. Thread** **Weight (approx.)**
 Industrial Blow gun G1/4" (f) 200 g

44504



Diesel & AdBlue® Control Valves

Diesel Nozzles

Description	Max.flow	Inlet
Automatic Nozzle	45 l/min	G1"(f)
Automatic Nozzle	80 l/min	G1"(f)
Manual Nozzle	100 l/min	G1" (f) with swivel

Part No

23605

23608

23606

23605



23606



AdBlue® Nozzles

Description	Max.flow	Inlet
Automatic Nozzle <i>(Magnetic ring for opening the valve is not required)</i>	20 l/min.	Ø 19 mm with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel

23577

23580

2468070

23577



23580



2468070



AdBlue® Hose End Meter

AdBlue® nozzle with digital meter. One model featuring an electronic indication when the container is full to prevent over-filling.

Description	Max.flow	Connection	Max pressure
Hose End Meter	50 l/min.	G1/2" (m)	3 MPa
Hose End Meter with overfilling indication	50 l/min.	G1/2" (m)	3 MPa

24145

24146

24146



AdBlue® Meter

AdBlue® meter with big display for simple installation. The meter can be installed directly on the control valve or at the end of the hose. The electronics is powered by two batteries for easy changing.

Technical information

Accuracy: +/- 1%. Can be calibrated

Description	Max.flow	Connection	Max pressure
Turbine meter	120 l/min.	G1" (m) (f-f adapter incl.)	1 MPa
PVC meter	50 l/min.	G1/2" (f)	3 MPa
Stainless steel meter	50 l/min.	G1/2" (f)	10 MPa

24759

24773

24777

24759



24773



Oil & Glycol Control Valves

Oil Control Valve

Control valve made in aluminium with large flow capacity. Max pressure: 10,5 Mpa (105 bar). Swivel included. Inlet G1/2" (f). Can be locked in open position.

Description

Oil Control Valve	without outlet tube
Oil Control Valve	with 60° rigid tube and lockable non-drip nozzle
Oil Control Valve	with 90° hose and lockable non-drip nozzle
Oil Control Valve	with 90° hose tube and automatic non-drip nozzle
Oil Control Valve	with 135° hose tube and automatic non-drip nozzle
Oil Control Valve	with straight hose and automatic non-drip nozzle

Part No

24675

24560

24561

24562

24564

24558

24675

24560

24561

24562

24564

24558



Outlet hoses and accessories for above Oil control valve

Description

Rigid outlet 60° with lockable non-drip nozzle
Hose outlet 90° with automatic non-drip nozzle
Hose outlet 90° with lockable non-drip nozzle
Hose outlet straight with automatic non-drip nozzle
Hose outlet straight formable with lockable non-drip nozzle
Hose outlet 135° with automatic non-drip nozzle

Inlet swivel G1/2"(f)

Automatic non-drip nozzle, connection G1/4"(f)
 Lockable non-drip nozzle, connection G1/4"(f)

Set of four color coded protectors

2285470

2285471

2285472

2285473

2285474

2285475

2246122

24556

24557

2455000

2285470

2285471

2285472

2285473

2285474

2285475

2246122

2455000



Control Valves for Oil, Water, Windscreen Liquids, etc.

Control Valve

A range of valves with ergonomically designed handgrip of glass filled polyamide. Available in several combinations or as individual parts. Max. working pressure 5 MPa (50 bar).

Description

Control valve without accessories

Latch Kit

The latch kit is intended to be used for example when it is desired to make large fluid dispenses without manually holding the valve open. The kit contains three different latches. Latch 1 is used to lock the valve in both open and closed positions. Latch 2 is used to lock in the open position. Latch 3 is used to lock the valve in the closed position.

Control Valve

Control valve made of glass filled polyamide with an inlet strainer which minimizes the contamination risk. Max working pressure 5 MPa (50 bar), inlet G1/2" (m) or G1/2" (f).

Description

Control Valve Rigid outlet (24170), non drip nozzle (24527) and swivel (24586) G1/2" (m)

Control Valve Rigid outlet (24170), non drip nozzle (24527) and swivel (24585) G1/2" (f)

Control Valve Hose outlet (2285346), non drip nozzle (24527) and swivel (24586) G1/2" (m)

Control Valve Hose outlet (2285346), non drip nozzle (24527) and swivel (24585) G1/2" (f)

Control Valve high-flow

High-flow control gun is designed for applications where fast delivery matters. From repair shops to car dealerships, truck, fleet and off-road maintenance facilities. Manufactured in aluminum.

Max flow	Max.pressure	Inlet	Outlet	Part No
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Ridgid tube, 60°	24567
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Hose	24568

Digital Hose End Meter high-flow

Max flow	Max.pressure	Inlet	Outlet	Part No
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Ridgid tube, 60°	24756
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Hose	24757

Part No

24680

24680



24679

24679



2468010

2468010



2468011

2468050



2468051

24567



24568

24756



24757

Mechanical Hose End Meter

Very robust rotary-piston type Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and non-drip nozzle.

Functions:

- Resetable trip meter
- Non-resetable 5 digit totaliser display
- Accuracy +/- 0,65%
- No batteries required, environmental friendly
- Trigger can be locked in open position

Technical Data

Connections: Inlet: G1/2"(f) Outlet: G1/2"(f)

Flow range: 2-20 l/min

Working pressure: 100 bar (1450 psi)

Temperature range: -10 °C to 60 °C

Fluid compability: Low to high viscosity lubricants (50-50000 cSt), ATF and Antifreeze.

Description:

Mechanical Hose End Meter with straight outlet hose and automatic non-drip nozzle

Mechanical Hose End Meter with formable outlet hose and lockable manual non-drip nozzle

Pre-set Mechanical Hose End Meter

Very robust rotary-piston type Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and non-drip nozzle. For automatic operation set the dial pointer to the quantity needed, actuate the trigger for automatic latching and the valve will deliver exactly the volume required and then shut off.

Functions:

- 5 digit display
- Resettable trip meter
- Non resettable totaliser
- Accuracy ±0,65%
- No batteries required, Environment friendly

Technical Data

Connections: Inlet: G1/2"(f) Outlet: G1/2"(f)

Flow range: 2-30 l/min

Working pressure: 100 bar (1450 psi)

Temperature range: -10 °C to 60 °C

Fluid compability: Low to high viscosity lubricants (50-50000 cSt), ATF and Antifreeze.

Part No

24792

24793

24797

24792



24793



24797



Hose End Meters

Digital Hose End Meter

Functions:

- For measuring oil and glycol
- 5 digit display
- Resettable trip meter
- Non resettable totaliser
- Easy calibration (accuracy $\pm 0,5\%$)
- Simple battery change

Technical Data

Connections:	G1/2" (f)
Weight:	1,1 kg
Flow range:	1 - 20 l/min
Working pressure:	0,5 - 70 bar
Temperature range:	0 °C to + 55 °C
Accuracy:	< $\pm 0,5\%$ (after calibration)
Fluid compability:	All types of mineral and synthetic lubricants up to 140SAE (5-5.000 mPa/s)
Battery:	2 x LR03 Alkaline - 7.000 hours average life

Description:

Hose end meter	including swivel, valve handle and inlet strainer
Hose end meter	including swivel, valve handle, inlet strainer, outlet hose 90° and automatic non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, outlet hose 90° and lockable manual non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, outlet tube 60° and lockable manual non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, outlet hose 135° and automatic non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, formable outlet hose and automatic non-drip nozzle

Part No

24788

24785

24113

24114

24116

24117

24788



24785



24113



24114



Outlet hoses and accessories for above Oil control valve

Description

Rigid outlet 60° with lockable non-drip nozzle	2285470
Hose outlet 90° with automatic non-drip nozzle	2285471
Hose outlet 90° with lockable non-drip nozzle	2285472
Hose outlet straight with automatic non-drip nozzle	2285473
Hose outlet straight formable with lockable non-drip nozzle	2285474
Hose outlet 135° with automatic non-drip nozzle	2285475

Inlet swivel G1/2"(f)

2246122

Automatic non-drip nozzle, connection G1/4"(f)

24556

Lockable non-drip nozzle, connection G1/4"(f)

24557

1,5 V battery (alkaline), type LR03/AAA

2346077

Set of four color coded protectors

2455000

2285470



2285471



2285472



2285473



2285474



2285475



2246122



24556



24557



2455000



Outlet Hoses and accessories for 24700, 24702 and 24680

Outlet hoses, connection threads G1/2"- M12x1

Description:

Outlet hose, straight	2285343
Outlet hose, straight for Lockable Non-drip Nozzles	2285441
Outlet hose 90°	2285344
Outlet hose 135°	2285345
Outlet hose, flexible	2285346
Rigid outlet, steel tube	24170
Water hose	2245997
Adapter for use together with oil control valve 24680, to connect outlets	2145895

Non-drip Nozzles, connection thread M12x1

Description:

Fully automatic opening and closing	24519	Diameter	Ø 14 mm
Semi-automatic, opened by fluid pressure, manually closed	24527		Ø 16 mm
Lockable, opened and closed manually by 90° turn	24528		Ø 18 mm
Lockable, with straight outlet pipe, opened and closed manually by 90° turn	24529		Ø 8 mm
Lockable, with bent outlet pipe 135°, opened and closed manually by 90° turn	24537		Ø 8 mm

Note! For lockable nozzles use only 24170 or 2285441 outlets!

Swivels in brass

Description:

Swivel G1/2" (m) - G1/2" (f)	24585
Swivel G1/2" (m), 60° cone - G1/2" (m)	24586

Accessories for Hose End Control Valves

Part No

2285343
2285441
2285344
2285345
2285346
24170
2245997
2145895

24519
24527
24528
24529
24537

24585
24586



Battery

Description:

9 V battery (alkaline), type 6LR61 9 V	2245634	For digital meters: 24700, 24702, 24710, 24712
1,5 V battery (alkaline), type LR03/AAA	2346077	For digital meters: 24785, 24795

Drip Holsters

To protect hose end meters and control valves when not in use and to collect any oil drips.

Description:

Drip holster, Standard	29090
Drip holster. with removable collector tray	29086
Drip holster. with removable collector tray	29096
Drip holster for drums	29055

2245634



2346077



2245634

2346077

29090



29086



29096



29055



29090
29086
29096
29055

Line Meters

Line Meters

Functions:

- For oil and glycol (24764 also for Diesel)
- 5 digit display
- Resettable trip meter
- Non resettable totaliser
- Easy calibration (accuracy 0,5%)
- Simple battery change

Technical Data

Working pressure:	0,5 - 70 bar (8-1.000 psi)
Temperature range:	-10 °C to + 60 °C
Accuracy:	< 0,5% (after calibration)
Battery:	2 x LR03 / AAA Alkaline

Description	Connections	Flow rate	Work Pres. Max
Line meter	G1/2" (f)	1 - 20 l/min.	7 MPa (70 bar)
Line meter	G3/4" (f)	1 - 80 l/min.	7 MPa (70 bar)
Line meter	G1/2" (f)	1 - 20 l/min.	7 MPa (70 bar)
Line meter	G1" (f)	1 - 100 l/min.	3 MPa (30 bar)

Part No

24795



24763



24762



24764


 24795
 24763
 24762
 24764

Line Meter, Mechanical

Functions:

- Resettable trip meter
- Non resettable totaliser
- Accuracy ±0,65%

Description	Connections
Line meter for Oil	G1/2" (f) (Outlet turned 90°)
Line meter for Glycol	G1/2" (f) (Outlet turned 90°)

Technical Data

Working pressure Max:	100 bar (1.450 psi)
Temperature range:	-10 °C to + 60 °C

 24778
 24779

24778



Pulse Meter for Oil, Glycol & Diesel

Line meter with pulse transmitter output. Only for connection to monitoring systems (Orilink). Equipped with connection terminal and reel open indication light. This meter does not have a display or function buttons.

Description	Connections	Flow rate	Work Pres. Max
Pulse meter,	G1/2" (f)	1 - 30 l/min.	6 MPa (60 bar)
328 pulses/l pulse transmitter output			
Pulse meter,	G3/4" (f)	8 - 80 l/min.	6 MPa (60 bar)
109 pulses/l pulse transmitter output			

Technical Data

Material:	Measuring chamber:: Aluminium
	Measure wheel: Vectra®
Accuracy:	±0,5%
Temperature range:	-10 °C till + 60 °C

 24736
 24766

24736



Stainless Steel Pulse Meter for Windscreen Fluids & AdBlue®

Line meter with 328 pulses/l and 312 pulses/l output for oil and water based fluids (windscreen wash and detergents mixed with water). Only suitable for connection to monitoring systems. This meter does not have a display or function buttons.

Description

Stainless steel pulse meter	328 pulses/l pulse transmitter output
PVC pulse meter	312 pulses/l pulse transmitter output

Work Pres. Max

6 MPa (60 bar)
3 MPa (30 bar)

Technical Data

Material:	Packings:	Viton
Connection thread:	Inlet:	G1/2" (f)
	Outlet:	G1/2" (f)
Flow:		1 - 50 l/min.
Accuracy:		±0,5% (after calibration)
Temperature range:		-10 °C to + 60 °C

Part No

24776



24776

24772

24772



Pulse Meter for Waterbased Fluids

Line meter with 300 pulses/l (adjustable) for antifreeze (water-glycol) and detergents mixed with water. Only for connection to monitoring systems. This meter does not have a display or function buttons.

Note! 10-30V DC power supply required.

Description

Line meter for waterbased fluids

24760

Technical Data

Material:	Measuring housing: Acetal Copolymer
	Valve housing: Nylon
	Measure wheel: Acetal Copolymer
Connection thread:	Inlet: G1/2" (m), 60° cone seal
	Outlet: 0,5 m flexible hose with G1/2" (f), 60° cone seal
Flow:	1,5-30 l/min.
Accuracy:	< ±5% (after calibration)
Pressure drop:	0,001 - 0,1 MPa (0,01-1,0 bar)
Max working pressure:	2,0 MPa (20 bar)
Temperature range:	0 °C to + 50 °C

Note! Not suitable for windscreen fluids.



Notes:

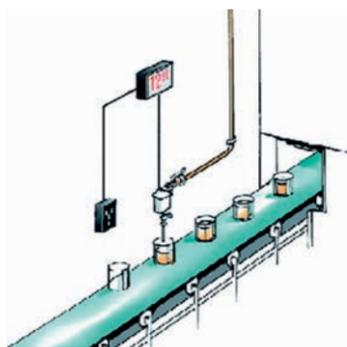
A large rectangular area with a rounded top-left corner, containing numerous horizontal dotted lines for writing notes.



10 Monitoring

Dosing Equipment	120
Product Specification	121
OriLink®	122
Meter Units	125
Equipment	126
Solenoid Valves	126
Protection Kits	127





Industry, Description Part No 23455

A high performance wall mounted pre-set dispense unit for industrial use that helps you to accurately fill objects with the correct amount of fluid. It reduces the amount of key/button input to obtain the required volume and removes the measuring tool from the floor and other hazardous areas. The mains powered unit eliminates the need for battery replacement. It can be used for a wide variety of products that needs to be dispensed accurately and can be connected to an OriLink® monitoring system if further functionality is needed at a later time.



Automotive, Description Part No 23457

A high performance wall mounted pre-set dispense unit that helps you to accurately fill objects with the correct amount of fluid. It reduces the amount of key/button input to obtain the required volume and removes the measuring tool from the floor and other hazardous areas. The mains powered unit eliminates the need for battery replacement. It can be used for a wide variety of products that needs to be dispensed accurately and can be connected to an OriLink® monitoring system if further functionality is needed at a later time.

Technical specification

Power supply	Industrial, 110-230 VAC 50/60Hz, Automotive Common mains adapter, 110-230 VAC 50/60Hz
Solenoid valve output	24 V DC max. 1 A
Solenoid short-circuit	Yes ,protection
PPU	1-6553
Calibration	From buttons (or from OriLink® keypad or Neighbourhood)
Pre-set adjust	From buttons (or from OriLink® keypad)
Number of pre.sets	16
Number of decimals	0, 1, 2, 3, 4 or AUTO

Industry Part No 23455

Box	Black steel LED box with polystyrene over lay and a rugged sealed aluminium button box .
Buttons	Ni-coated brass, flat design, "vandal proof", IP65
Cable between LED	5 m 7-lead halogen free cable and button box

Automotive Part No 23457

Box	Black steel powder painted with polystyrene overlay. Painted metal.
Buttons	Lacquered metal.

Additional

Optional button support	Fast dispense Pre-set 1, 2, 3 and 4 (not included).
Expansion possibilities	Fully compatible with OriLink®, can be equipped with Clock module 23405

OriLink® PC

Basic functions

OriLink®

Max No. Hose Reels	253
Max No. Oil Grades	Unlimited
Max No. Keypads	Unlimited
Max No PIN Codes	Unlimited
Stores Control	YES
Technician Access	YES
Preset Dispense Qty.	YES
Preset Codes	YES
Job No. Validation	YES
PC-connection	YES
ADB integration, see below	YES
Dealer Management System Interface, see below	YES
More than one ticket printer	YES

Printout Data

Date and time of dispense	YES
Reel number identification	YES
Job number (alphanumeric)	YES
Technician Name and number	YES
Unique transaction number	YES
Fluid name and part number	YES
Ordered quantity	YES
Quantity dispensed in l (two decimals)	YES
Re-order Prompt	YES
Total Sales Value	YES
Stock level	YES

Management Data

Oil Usage by Grade	YES
Oil Usage by Operator	YES
Oil Usage by Job No.	YES
Oil Usage by Hose Reel No.	YES
Oil Usage by Transaction No.	YES
Stock Re-order Report	YES
Current Stock Level	YES
Transaction Data Storage/Recall Facility	YES
Waste Oil Control Facility	YES

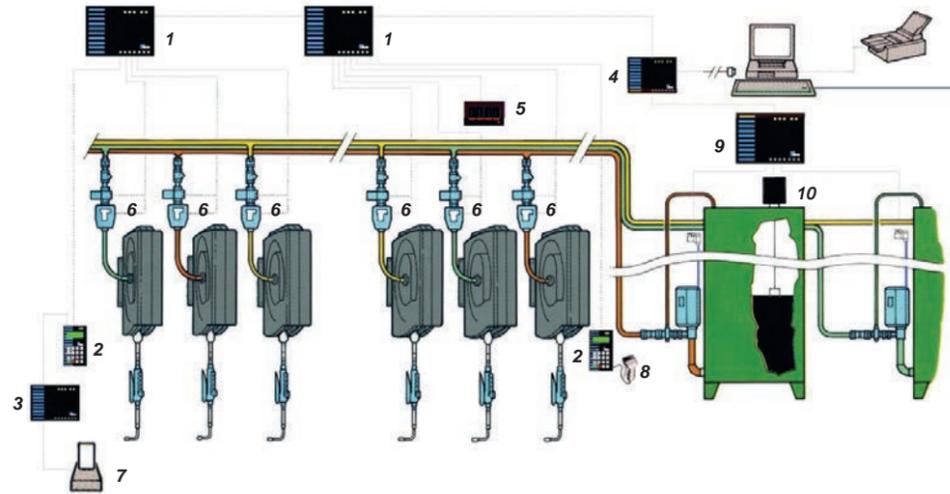
* ADB integrated systems (April 2017)

List of names:

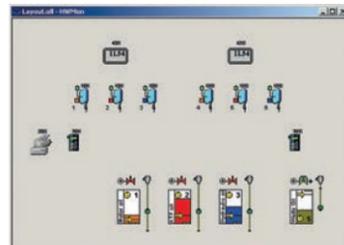
1C, ABS, Acosy, AD2000, ADP-US, Advance, ALNAOIL, Arista, AsaNet, AsWin, ATS32, AUTO2000, AutoDiaz, AUTOLINE, AUTOMAST, AutoMaster - ODBC, Automat, AutoMate, Autostacja3, AUTOTRUCK, AUTOVISI, AutoVision, Axapta, BarIS, BITS, BOFF, BohBros, BONUM, BOS, Bums, BungertP2, Car and You, Caris, CARS, CAY, CDP, COMPLETA, CONCORC5, Concorde XAL, CONCORDX, CONNEX, CosWare, DARTS, DEAS, DHow, DRACAR, Dracar+, Echo, EDS, ElvaDMS, EXCEL, FILAKSP, FilaksPlus, FLCARE, FleetMate, FleetPro, FleXi, Future, GDMS, GDS, GenericExcel, GenericODBC, GenericRest, GenericTEXT, GenericXML, Helios, HondaIndia, HTM, Ibcos, ICar, IDMS, IMPHDL, InCadea, InfoEasy, InfoFlex, InfoLog, iTruck, JyskNav, Kerridge, KfzPilot, Kobra 2, KOBRA2, KOMMA, LAWSONM3, M3, Mahindra, Maruti, MEKOTECH, MerBag, MIF, MNet, MONITOR, MOVEX, Navision, NissanTw, ODBC, Optima21, OpusAllt, Orfala, OrsWin, PorscheQ, PvManager, QAW, Quitter, REYNOLDS, Rimses, Rowil, SAP, SAP-Sil, SAS, SDPS, SDS, Skaita, SmartDMS, SMC, SMC - DB2Connect, SMC - Xml - SOAP, SQL, Stieger, Stolpi, StreamLine, Swecon LawsonM3, Tacdis, TACDIS5, TeraGest, TEXT, TPX, TranMan, TSYSTEM, UNIVERSALAUTO, WASSIST, Vaudis, Wegos, VIBS, WinAssist, WISMA2K, Volmax, WsControlFluidos, Xdms, XML.

Alentec & Orion AB reserves the right to change specifications in this publication without notice.

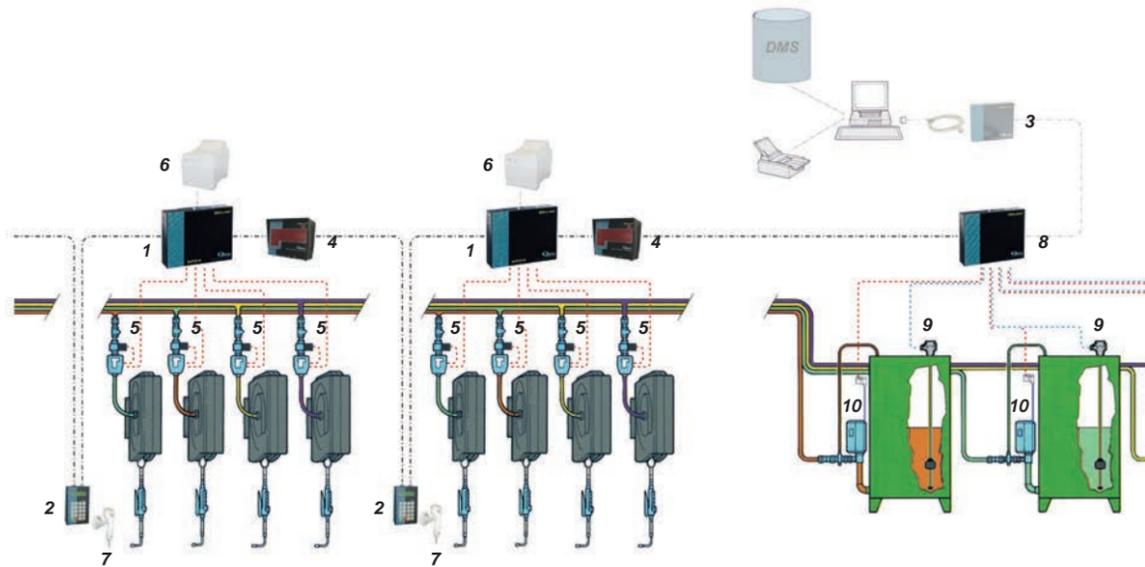
The OriLink® system is an advanced oil management system with no upper limit for number of reels, oilgrades or reels used simultaneously. An overview of the workshop oil system layout is presented as miniatures on the screen where all activities are graphically visible in real time! As all data is stored in the Windows environment comprehensive management reports can be obtained by using the advanced report engine in the system, or by exporting data to a report engine or other computer systems used on site.



Pos	Description	Part.No	Pos	Description	Part.No
1	Main Module (MPDM)	23400	7	Receipt Printer	23354
2	Keypad	23401	8	Bar Code Reader	23407
3	Printer Module	23402	9	Tank Module	23408/23430
4	PC-interface	23403	10	Analogue Level Sensor	23417
5	Digital LED Display	23404	11	Solenoid Valve	48059
6	Flow Meter/Solenoid Valve	SPEC2289	12	Software	23414



Approvable Monitoring System



Pos	Description	Part.No	Pos	Description	Part.No
1	Approvable Main Module (MPDM)	23600	6	Receipt Printer	23354
2	Keypad	23401	7	Bar Code Reader	23407
3	PC-interface	23403	8	Tank Module	23408/23430
4	Digital LED Display	23404	9	Tank Level Sensor	2330287
5	Flow Meter/Solenoid Valve	SPEC2294	10	Solenoid Valve	48059
			11	Software	23614

Approvable Monitoring System

Main Module (MPDM)

Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Suitable for meter units with flow direction function. 230 V AC power supply required

Part No
23400



Approvable Main Module (MPDM)

Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Has a built in printer modul for storage of transactions and local outprints. 230 V AC power supply required

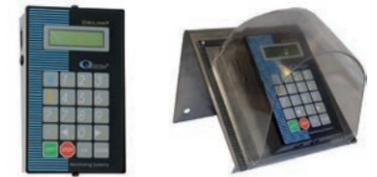
Part No
23600



Key Pad, Standard

To be installed in the workshop in order to give the operator access to the system using a personal ID-code. 2 x 16 signs window, 20 buttons display. Can be equipped with serial port kit (23415) for external reader (23407 or 23409). Transparent protection cover for the 23401, and the 23410. Wall bracket for keypad.

Part No
23401
23261
23260



PC-keypad

The PC-keypad makes it possible to start and stop dispensing from a PC by clicking on a dispensing point. Also works with touch screen and OCP 1.xx connections.

Part No
23431



Printer Module

With the printer module it is possible to connect a printer to the system (Model 23354). When the system has no PC (Program 23414) the information is stored in the printer module. Maximum 912 transactions, 32 users and 8 tanks can be stored. A system can have more than one printer module where there is a need for more than one ticket printer.

Part No
23402



Communication Adapter/PC-interface

For connecting the system to a PC. Can also be used as a line amplifier when the communication cable is longer than 2.000 metre.

Part No
23403



LED Display

Display with 40 mm digits. Displays the dispensed volume. When equipped with a clock module or PC-connected it shows the actual time when the system is not in use. One extra port for a solenoid valve.

Part No
23404



Can be used as tank level display together with 23408 or 23430.

Tank Module

The tank module has four connections for controlling air solenoid valves to start and stop the pumps and can also work together with a low level or low and re-order level sensor. Is equipped with a key switch with normal operation, emergency override and On/Off functions. Controls waste oil solenoid valves plus the re-order warning on the PC. This module only works together with PC software 23414. 230 V AC power supply required.

Part No
23408



See also 23430 on page 125!

Clock Module

Can be mounted in a printer module or LED display for showing the actual time, when the system is not in use. Maximum one per system. Not required when a PC is included in the system.

Part No

23405

**Bar Code Reader**

Complete laser reader for both hand held and bracket mounted bar code reading. Reads all one dimensional codes. Supplied with trigger, cable, net adapter (230 V AC) and a bracket.

23407

**Card Reader**

For both bar code and magnetic strip. Can read all the three tracks on the magnetic strips according to the ISO-standard. Cable and net adapter (230 V AC) are included.

23409

**Dallas Key Reader**

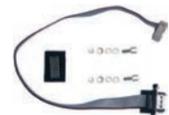
By equipping an OriLink® keypad with this kit it is possible to read the laser cut unique serial number of Dallas keys/Buttons. It requires the Flash chip in a keypad an updated keypad software.

23419

**Serial Port Kit**

To connect the Bar Code or the Card readers to the Keypad (23401).

23415

**Professional Program**

PC database with report functions. Must be installed when the system is to be connected to an ADB system or when several printers are used.

23414

**Ticket Printer**

Parallel printer SP700. Delivered complete with cables, paper and ribbon, ready for connection to the system. (230 V AC)

Description

Ticket printer, parallel
Spare ink ribbon for 23354 (SP700)
Spare ticket roll for 23354 (SP200, SP700)
Spare ink ribbon for 23354 (SP200)

23354

23377

23334

23335

**Communication Cable**

Two twisted pairs, each pair shielded 4-core 0,36 mm². Use between 23400 - 23408, 23430 and 23600.

Description

Communication cable, 50m
Communication cable, 100m

23411M50

23411M100

**Control Cable**

Use between MPDM and meter/solenoid valve.

Description

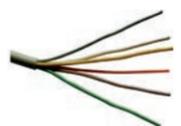
Control cable 4-core 0,5 mm², 25m
Control cable 4-core 0,5 mm², 50m
Control cable 4-core 0,5 mm², 100m
Control cable 5-core 0,5 mm²

23393M25

23393M50

23393M100

23412

**EX cable**

Between level switch and safety relay (23187) 4-core 0,5 mm²

23164

Line Meter Kit for Oil, Glycol

Line Meters with solenoid valves. Indicates open valve. Strainer part no 28022 included in SPEC2289 and SPEC2290.

Description	Max. Pressure Pulses	Conn. thread	Positions Included
Meter for oil 24736 and solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24736 and solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	5-6 w/o strainer
Meter for oil 24736 and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24736 and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	5-6 w/o strainer
Approvable meter and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24766 and solenoid valve 28306	2,5 MPa (25 bar) 36 pulses/l	G3/4" (m)	1-6

Line Meter kit for Windscreen Wash, Detergents and AdBlue®

Line Meter with solenoid valve. Indicates open valve.

Description	Max. Pressure Pulses	Conn. thread	Material
Meter incl. Solenoid valve 28306	5 Mpa (50 bar) 328 pulses/l	G1/2" (m)	Stainless Steel
AdBlue® meter incl. solenoid valve	1 Mpa (10 bar) 328 pulses/l	G1/2" (m)	Stainless Steel

Line Meter Kit for Anti Freeze

Line Meter with solenoid valve. Indicates open valve. Strainer part no 28022 included.

Description	Max Pressure thread	Conn. Included	Packings
Line Meter 24760 solenoid valve not included	2 Mpa (20 bar) 300 pulses/l	G1/2" (m)	Viton

Line Meter Kit for Diesel

Line Meter (24766) with solenoid valve (28308). Strainer, part no 28059 included.

Description	Max. Pressure Pulses	Conn. thread	Packings
Meter for diesel incl. 24766 solenoid valve 28308 ingår	1,0 Mpa (10 bar) 36 pulses/l	G3/4" (m)	Viton

Meter Kit for Grease

Meter kit with solenoid valve.

Description	Max. Pressure Pulses	Conn. thread
Meter for grease incl. solenoid valve	30 Mpa (300 bar) 1.450 pulses/l	G1/4" (f)

Part No

SPEC2290

SPEC2290

23355

SPEC2289

23376

SPEC2294

SPEC2293

SPEC2290



SPEC2289



SPEC2293



SPEC7291



SPEC7293



Tank Level Alarm

Reversible float to allow high level or low level control. Suitable for oil and diesel tanks. Alerts user when level has been reached. Low voltage, 9 V operated, no mains wiring required. Can be connected to remote visual alarm.

Description
 Tank Level Alarm incl tank level sensor
 Tank Level Sensor, 5 metre cable included

Part No

23449
2330287



Pressure Gauge/Low Pressure Switch

Can be mounted in the outlet tubing for grease to alarm and/or shut off the pump when the pressure is too low. Will also prevent the pump from dry running in case of empty barrel. Built in pressure switch (10 MPa, 100 bar) and micro switch (max. 50 V 1A) incl. 1,5 m connection cable.

Description	Pressure range	Conn. thread	Diameter
Gauge with pressure switch, for grease	0 - 60 MPa (0 - 600 bar, 8.700 psi)	G1/2" (m)	Ø 100 mm

23072



Solenoid valves for Air

For the control of oil and waste oil pumps.

Description	Conn. thread
Solenoid 230 V AC	G 1/4" (f)
Silencer for 48008	G 1/4" (f)
Solenoid 24 V DC	G 1/4" (f)
Solenoid 24 V DC	G 1/2" (f)
Solenoid 24 V DC	G 3/4" (f)
Solenoid 24 V AC/DC Ex.G 1/2" (f)	G 1/2" (f)
Atex Solenoid coil 24 V AC/DC suits 48059, 28306 and 28338	
Solenoid coil 24 V AC suits 28306	

48008
2326260
48059
48081
48082
48080
2385450
4080050



Solenoid valves for Fluids

For flow control. 24 V DC

Description	Conn.thread	Max Pressure
Special solenoid for high viscosity fluids	G 1/2" (f)	5 MPa (50 bar)
Solenoid for oil, glycol, wind screen fluids	G 1/2" (f)	5 MPa (50 bar)
Solenoid for Grease	G 1/4" (f)	50 MPa (500 bar)
Solenoid for Diesel	G 3/4" (f)	1 MPa (10 bar)
Solenoid for Oil	G 1" (f)	6,0 MPa (60 bar)
Solenoid for AdBlue®	G 1/2" (f)	1 MPa (10 bar)
Direct-acting solenoid Ø1mm	G 1/4" (f)	10 MPa (100 bar)

28127
28306
38013
28308
28304
28327
28333



Control Panel for Drum or Tanks

Protects the pneumatic pumps from dry pumping and the waste oil tanks from over filling. The panel can handle 4 different pumps/tanks at the same time. On the front of the panel there are 8 lamps, one stop and one alarm per drum/tank with test button. Two levels for each drum/tank. In case of inflammable fluids, the unit must be completed with Model 23187. When need of more solenoid valves are required, use relay box (23167). The unit can be connected to the OriLink system. (230 V AC, Solenoid Valve 24 V DC)

Part No

23430



Control Panel for Drum or Tank

For use as a protection against overfilling or dry pumping of waste oil or washer fluid. The panel has built-in ATEX classified security barrier and lamp for stop and alarm.

Description
 Supply voltage 230 V AC, 24 V DC solenoid.

23195



Start button with indicator for pumps

Spring loaded push button suitable for waste- or fresh oil pumps for having a non pressurized system when not in use. Used together with tank module or control panel (23430). Supply voltage 24 V AC/DC.

23040



Tank Level Switch, 60, 200 l Drums & 1.000 l Containers

Switch on/off when the liquid level is appr. 30 mm from the bottom. 24 V DC 1 A. Fits in the drums 3/4" thread. Max height of container 1.080 mm.

Description
 Level sensor, switch off with low level, for oil.
 Level sensor, switch off with low level, for alcohol and similar. Reversible float.
 2- Level sensor, switch off with low level and warning 300 mm from bottom, for oil.
 2- Level sensor, switch off with low level and warning 300 mm from bottom, for alcohol and similar.
 Level sensor for tank (max 5 m)
 2- Level sensor, hose type L= 2 m

23171
23183
23191

23192
2330287
23193



Level Switch, Waste Oil

For control of waste oil tank level. Equipped with two switch levels. Other levels possible on special request. The body is equipped with a terminal strip for the connection of cables. Conn. thread G 2" (m)

Description	Alarm level	Stop level
2-Level sensor for waste oil	300 mm	150 mm
2-Level sensor for waste oil	450 mm	300 mm

23132
23154



Safety and Protection

Analogue Level Sensor

Self calibrated against the surrounding air pressure. To be connected to the OriLink Tank module Model 23408 or control panel 23430.

Description

4-20 mA level sensor for tanks up to 4 m height
4-20 mA level sensor for drums and IBC containers

Part No

23417
23435

Safety Relay

This ATEX classified relay is to be installed outside of inflammable places. It is connected between the sensor in the inflammable place and the control panel. To be used in connection with sensors for waste oil or windscreen fluids. (230 V AC)

Description

Relay for 1 level switch (Eg 23132/23192) or 2 level switches (Eg 23183/23171)
Relay for 2 analogue level sensors (Eg 23417)

23187
23188

Relay Box

To be used when more than two solenoids is used for waste oil. (24 V DC)

23167

Overflow Protector for tanks

Designed for connection to the overflow system of the supply tanker. Level switch with thermo element. Connection plug for mounting at filling coupling included.

Description

Overflow protector for oil tank
Overflow protector, stainless steel for eg AdBlue®

23163
23168

Protection Kits

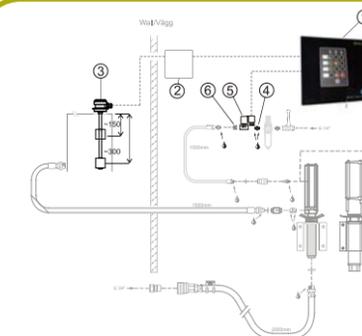
Two Stage Alarm Equipment for Waste Oil

The equipment is EX-classified in accordance with waste oil handling regulations. The box can handle 6 different solenoid valves (24 V DC).

1	Control panel	23430
2	Ex ia Barrier	23187
3	Level switch	23132
5	Solenoid valve	48059

Part No

SPEC8042

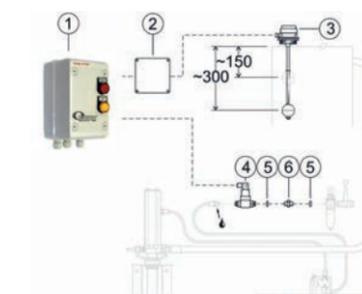


Two Stage Alarm Equipment for Waste Oil

The equipment is EX-classified in accordance with waste oil handling regulations. The box can handle one solenoid valve (24 V DC).

1	Control panel	23195
3	Level switch	23132
4	Solenoid valve	48059

SPEC8043



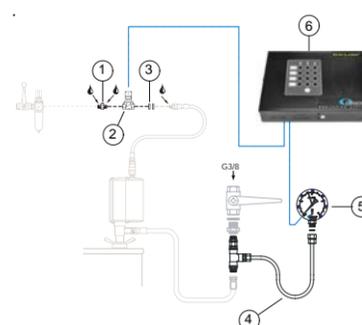
Pump Protection Kit for Grease Pumps

Used to prevent air from entering the pump tube and dry running the pump when the drum is empty. Pressure sensor, resistant to fluids.

Equipment delivered unassembled in a kit, the major items are:

2	Solenoid valve, 24V DC	48059
4	Grease connection kit	1180033
5	Pressure sensor gauge	23072
6	Control panel	23430
	Button (23043) manual start after dry pumping	

SPEC8110



Pump Protection Kit, Oil and Liquid Pumps

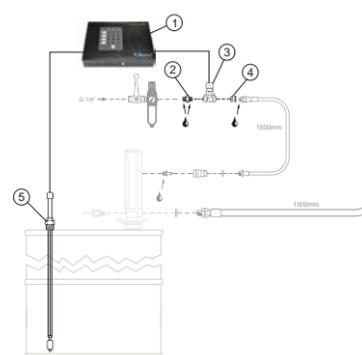
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Level sensor made of plastic, resistant to fluids commonly supplied in 205 l drums.

Equipment delivered unassembled in a kit consisting of the following:

1	Control panel	23430
3	Solenoid valve, 24V DC	48059
5	Low level sensor	23171 (for alcohol use 23183)

SPEC8120



Pump Protection Kit for Pumps in EX Proof Areas

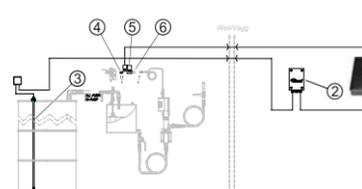
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Level sensor made of plastic, resistant to fluids commonly supplied in 205 l drums.

Equipment delivered unassembled in a kit consisting of the following:

1	Control panel	23430
2	Ex ia barrier (EEX ia)	23187
3	Low level sensor	23183 (for oil use 23171, not included)
5	Solenoid valve, 24V DC	48080

SPEC8121



Notes:

A large rectangular area with rounded corners, containing numerous horizontal dashed lines for writing notes.



11 Drum Handling

Trolleys	132
Safety Drum Trolley	133
Safety Pallet	134
Drum Lifts	134



Trolley for 12 kg Buckets to 60 kg Drums

Trolley for 12 kg to 60 kg drums with chain for holding the drum in place. Wheel diameter Ø 155 mm.

Description Dimension (L x W x H)
Trolley 300 x 390 x 1.000 mm

Accessories
Pump bracket with G2" (f) thread. Mounts on the trolley with a pipe clamp.
Strap 1,5 meters long for small kegs/buckets.

Part No

28528

28557
40801327



Trolley for Buckets and Plastic Containers

Trolley for buckets. Wheel diameter Ø 160 mm.

Description Dimension (L x W x H)
Trolley 450 x 290 x 920 mm

28527



Drum Trolley for 60 kg Drums

Drum trolley for 60 kg drums only. With tubular drum support and a clamp screw for fixing the drum. Two swivel castors Ø 75 mm and two Ø 160 mm wheels.

Description Dimension (L x W x H)
Drum trolley 500 x 450 x 1.060 mm

28526

Accessories
Pump bracket with G2 (f) thread. Mounts on the trolley with a pipe clamp.

28557



Drum Trolley for 180 kg Drums

Drum trolley for 180 kg drums with three wheels, 2 large Ø 200 mm and one support wheel Ø 100 mm, which is equipped with a brake. The handle is supplied loose.

Description Dimension (L x W x H)
Drum trolley 785 x 800 x 900 mm

28645

Accessories
Pump bracket.
Reel bracket. For ORK,ORM and CRO Series

28651
28652



Drum Trolley for 180 kg Drums

Drum trolley for 180 kg drums with four wheels, 2 large Ø 250 mm and two support wheels Ø 100 mm, one equipped with a brake. The handle, supplied loose, is held in place by the same screws as the support wheels.

Description Dimension (L x W x H)
Drum trolley 785 x 800 x 900 mm

28276



Drum Trolley Heavy Duty for 180 kg Drums

Drum trolley for 180 kg drums with 3 wheels, 2 large tyres Ø 260 mm and one support wheel Ø 150 mm, equipped with a brake.

Description Dimension (L x W x H)
Drum trolley 785 x 800 x 900 mm

28646

Accessories
Reel bracket. For ORK, ORM and CRO Series

28653



Safety Drum Trolley

Drum trolley for all containers up to 180 kg drums, with four wheels, 2 large Ø 250 mm, and two support wheels Ø 100 mm one equipped with a brake.

Description Dimension (Lx W x H)
Safety drum trolley 785 x 800 x 900 mm

Part No

28277



Safety Drum Trolley with bracket for hose reel

Drum trolley for all containers up to 180 kg drums, with four wheels, 2 large Ø 250 mm, and two support wheels Ø 100 mm one equipped with a brake. Include a bracket for hose reel.

Description Dimension (L x W x H)
Safety drum trolley 980 x 800 x 900 mm

28350



Drum Dolly

Dolly for Ø 400 - 600 mm diameter drums, with three adjustable drum attachments and three (Ø 75 mm) swivel castors, one with a brake.

Description Dimension (L x W x H)
Drum dolly Height approx. 110 mm

28582



Drum Band Dolly

Drum band dolly with an adjustable steel band to suit 60 kg drums (max Ø 375) fitted with four Ø 60 mm castors.

Description Dimension (L x W x H)
Trolley Max. Ø 375 mm

28579



Container Tipper

Container / bottle emptied safely and easily through the leverage mechanics. Suitable for 20 liter tin (Ø 300 mm) or 25 liter cans (290 x 290 mm). The tipper can be mounted on wall or floor.

Description
Container Tipper

92093



Drum Trolley

Basic drum trolley for transporting and moving oil drums. Useful when manually handling heavy 205 litre drums.

Description Dimension (L x W x H)
Trolley 1.400 x 700 x 300 mm

21110



Drum Cradle

The drum cradle enables drums to be picked up in the upright position. Using the extra long handles, the drum is easily tilted and lowered into a horizontal position. In the horizontal position the cradle can be used as a dispensing station.

Description Dimension (L x W x H)
Trolley 1.500 x 700 x 500 mm

21103



Environment Protection & Drum Lifts

Safety Pallet

Safety pallet for upright drum storage, with built in spill containment. Suitable for all sizes and types of drum, the unit, which has a minimum sump capacity of 220 litre, addresses both Health and Safety and Environmental requirements.

Description	Dimension (L x W x H)	Material
Safety pallet for 2 drums	1.278 x 738 x 360 mm Volume approx.: 220 l	Metal
Safety pallet for 2 drums	1.205 x 805 x 440 Volume approx.: 250 l	Plastic

Accessory for 29144, castors and handle

Safety pallet for IBC and safety flooring in various sizes can be offered upon request

Part No

29142



29142

29144

29145

29144

29144 + 29145



Drum Wrench

Fits the most common types of drum caps.

29250



Drum Lift

Drum lift for upright oil drums. Simple to use, easy to apply. Approved for lifting up to 250 kg.

Description
Drum Lift

21100



Drum Lift

Drum lift for lifting horizontal drums. Particularly useful when storing drums in a drum store. Approved for lifting up to 250 kg.

Description
Drum Lift

21108



Hydraulic Drum Lift

Designed to handle drums on safety pallets and equipped with a pedal operated hydraulic lift. Lifting height over the floor 700 mm. Dimensions: width 900 mm, min height 1410 mm, max height 1915 mm.

Description
Hydraulic Drum Lift

28665





12 Exhaust Equipment

Exhaust Hose Reels	136
Exhaust Hoses / Safety Couplings	138
Basic Kits / Swing Arms	139
Exhaust Rails	140
Exhaust Nozzles	141
Control Equipment	142
Extraction Arms	144
Fans	145



Spring Operated Exhaust Reels

Spring Operated Exhaust Reel for Max. 10 m Ø 150 mm Hose (6")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 10 m Ø 150 mm hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

Description
Exhaust reel without hose

Complete reels with hose (+200 °C). Just add a nozzle.

Description	Hose dimension	Length
Exhaust reel for Trucks	150 mm (6")	10 metres

Part No

84350

84580

Spring Operated Exhaust Reel for Max. 10 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 10 m Ø 100 mm (4") hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

Description
Exhaust reel without hose

Complete reels with hose (+200 °C). Just add a nozzle

Description	Hose dimension	Length
Exhaust reel for Small Trucks/Cars	100 mm (4")	5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	10 metres

84352

84584

84585

84586

Spring Operated Exhaust Reel for Max. 7,5 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 7,5 m Ø 100 mm (4") hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

Description
Exhaust reel without hose

Complete reels with hose (+200 °C). Just add a nozzle.

Description	Hose dimension	Length
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres

84291

84583

Hose Mounting Kits for Exhaust Hose Reels

To connect the exhaust hose to the reel a mounting kit must be used.

For hose diameter	
Ø 75 mm (3")	88300
Ø 100 mm (4")	88301
Ø 125 mm (5")	88302
Ø 150 mm (6")	88303

88300

88301

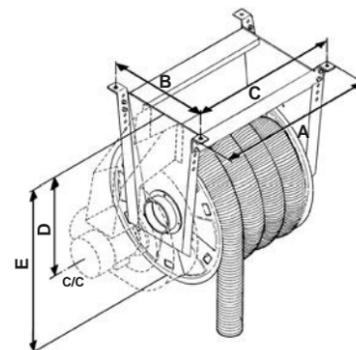
88302

88303

Hose guide through suspended ceilings for 84585 and 84586

Used for guiding the exhaust hose through suspended ceilings. Adjustable between ceiling and suspended ceiling from 840 mm to 1600 mm.

82004



	84300	84305	84290
A	1030 mm	830 mm	630 mm
B	500 mm	500 mm	500 mm
C	974 mm	774 mm	574 mm
D	490 mm	490 mm	490 mm
E	790 mm	790 mm	790 mm



Electric Driven Exhaust Reels

Electric Driven Exhaust Reel for Max. 10 m Ø 150 mm Hose (6")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. hose capacity 10 m Ø 150 mm hose.

For selection of hose mounting kit, hose, nozzle, fan etc., see following pages. 1 phase 220-240 V, 50 Hz.

Description
Electric Exhaust reel without hose and control box.

Complete reels with hose (+200 °C). Just add a nozzle. Control box included. Delivered unassembled.

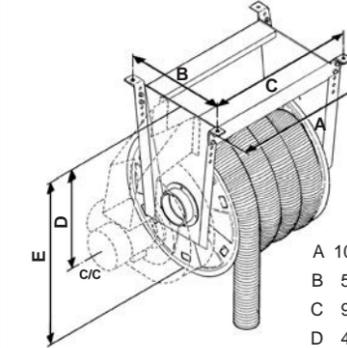
Description	Hose dim.	Length
Electric exhaust reel with hose for trucks	125 mm (5")	10 metres
Electric exhaust reel with hose for trucks	150 mm (6")	10 metres

Part No

83125

84590

84591



A	1030 mm
B	500 mm
C	974 mm
D	490 mm
E	790 mm

Electric Driven Exhaust Reel for Max. 10 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. hose capacity 10 m Ø 100 mm (4") hose.

For selection of hose mounting kit, hose, nozzle, fan etc., see following pages. 1 phase 220-240 V. 50 Hz.

Description
Electric Exhaust reel without hose and control box.

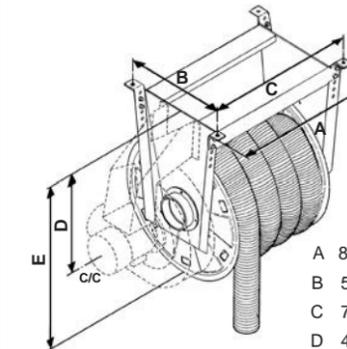
Complete reels with hose (+200 °C). Just add a nozzle. Control box included. Delivered unassembled.

Description	Hose dim.	Length
Electric exhaust reel with hose for cars	100 mm (4")	10 metres
Electric exhaust reel with hose for trucks	125 mm (5")	7,5 metres

83122

84592

84593



A	830 mm
B	500 mm
C	774 mm
D	490 mm
E	790 mm

Control Box

For control of electric driven. Exhaust Hose Reels.



83005

Hose Reel on Swinging Arm

The combination of a swinging suspension arm and a spring operated exhaust reel is a good solution when the reel needs to be moved between different work places.

Length 4,1 metres

Note. Exhaust reel and nozzle must be ordered separately.

84716



Exhaust Hoses

Hose Mounting Kits for Electric Hose Reels

To connect the exhaust hose to the reel.

For hose diameter	Ø 100 mm (4")
	Ø 125 mm (5")
	Ø 150 mm (6")

Part No

88305
88306
88307



Exhaust Hoses

Hose diameter	Length	Temperature			
		200 °C Standard	300 °C	500 °C	650 °C*
Ø 150 mm (6")	2,5 m		88459	88579	88479
Ø 75 mm (3")	5 m	88330	88445		88465
Ø 100 mm (4")	5 m	88340	88450		88470
Ø 125 mm (5")	5 m	88350	88455	88574	88475
Ø 150 mm (6")	5 m	88360	88460	88580	88480
Ø 75 mm (3")	7,5 m	88333	88446		88466
Ø 100 mm (4")	7,5 m	88343	88451		88471
Ø 125 mm (5")	7,5 m	88353	88456	88576	88476
Ø 150 mm (6")	7,5 m	88363	88461	88581	88481
Ø 75 mm (3")	10 m	88331	88447		88467
Ø 100 mm (4")	10 m	88341	88452		88472
Ø 125 mm (5")	10 m	88351	88457	88577	88477
Ø 150 mm (6")	10 m	88361	88462	88575	88482
Ø 75 mm (3")	12,5 m	88334	88448		88468
Ø 100 mm (4")	12,5 m	88344	88453		88473
Ø 125 mm (5")	12,5 m	88354	88458	88578	88478
Ø 150 mm (6")	12,5 m	88364	88463	88583	88483

Note! A mounting kit must be used to connect the hose to the reel (see above). Approx. 0,5 m of the total hose length will be used inside the reel.

*Always with metal nozzle.

Exhaust Hose, Heavy Duty

The hose is crush proofed with nylon coil incl. one Y-adapter and two hose clamps (temp. resistant +200 °C).

Hose diameter	Length	Part No
Ø 75 mm (3")	2 x 2,5 m	88220
Ø 100 mm (4")	2 x 2,5 m	88221
Ø 125 mm (5")	2 x 2,5 m	88222
Ø 150 mm (6")	2 x 2,5 m	88223



Hose Connecting Kits

To connect hoses with the same diameter. The kit consists of a hose adapter and two hose clamps.

For hose diameter	Ø 75 mm (3")	88485
	Ø 100 mm (4")	88486
	Ø 125 mm (5")	88487
	Ø 150 mm (6")	88488



Safety Disconnect Coupling

The safety disconnect coupling is to protect your equipment from unexpected work place events, such as when a service technician forgets to remove the exhaust hose from the vehicle before moving it. The safety disconnect coupling will automatically separate to protect the vehicle and your exhaust system.

Description	Hose diameter	Material	Part No
Safety disconnect coupling	75 mm (3")	Mechanical	88490
Safety disconnect coupling	100 mm (4")	Mechanical	88491
Safety disconnect coupling	125 mm (5")	Mechanical	88492
Safety disconnect coupling	150 mm (6")	Mechanical	88493
Safety disconnect coupling	100 mm (4")	Magnetic	88571
Safety disconnect coupling	125 mm (5")	Magnetic	88572



Basic Exhaust Extraction

Fixed Exhaust Extractors

A fixed exhaust extractor is easily designed by selecting hose, nozzle, hose support, balancer and hose clamps. For suitable hoses and nozzles, see previous pages. Balancer, see below.

A
Hose supports make it possible to hang the hose on a balancer.
Description For hose diam.
Support Ø 100 mm (4")
Support Ø 150 mm (6")

B
Hose clamps are used to fix the hose directly on to the ducting.
Description For hose diam.
Hose clamp Ø 75 mm (3")
Hose clamp Ø 100 mm (4")
Hose clamp Ø 125 mm (5")
Hose clamp Ø 150 mm (6")
For high temp hose
Hose clamp Ø 75 mm (3")
Hose clamp Ø 100 mm (4")
Hose clamp Ø 125 mm (5")
Hose clamp Ø 150 mm (6")
Hose clamp Ø 200 mm (8")

Balancer

C
This balancer supports loads within an area of 0-4,5 m and at an angle of max 30° from the plumb line. Some of the balancers is equipped with a locking device which locks the extension wire in the extended position. The locking device disengages when the wire is pulled out approx. 0,2 m and then released. Delivered complete with safety chain and spring safety hooks.

Description	Wire length.	Load
Balancer with locking device	3 m	7-14 kg
Balancer with locking device on/off	4,5 m	7-16 kg
Balancer without locking device	3 m	7-14 kg
Balancer without locking device	3,5 m	5-14 kg
Switch for fan control, can be mounted on 84435		

Complete Exhaust Extraction Kits

Consisting of a fan, 5 m standard hose and balancer. Just add the required nozzle.

Description	Hose dim.	Fan	Part No
Kit for Car	75 mm (3")	0,55 kW - 1.800 m³/h	84440
Kit for Car	100 mm (4")	0,55 kW - 1.800 m³/h	84441
Kit for Trucks	125 mm (5")	0,55 kW - 1.800 m³/h	84442
Kit for Trucks	150 mm (6")	0,55 kW - 1.800 m³/h	84443

Note! Exhaust Nozzle must be ordered separately.

Exhaust Drop on Swinging Arm

Description	Exhaust hose	Length Arm	Part No
Swing arm	Ø 150 mm / 5 m	4,5 m	84712
Swing arm	Ø 150 mm / 5 m	6 m	84713

Note! Exhaust Nozzle and Fan must be ordered separately.

Part No

88441
88442

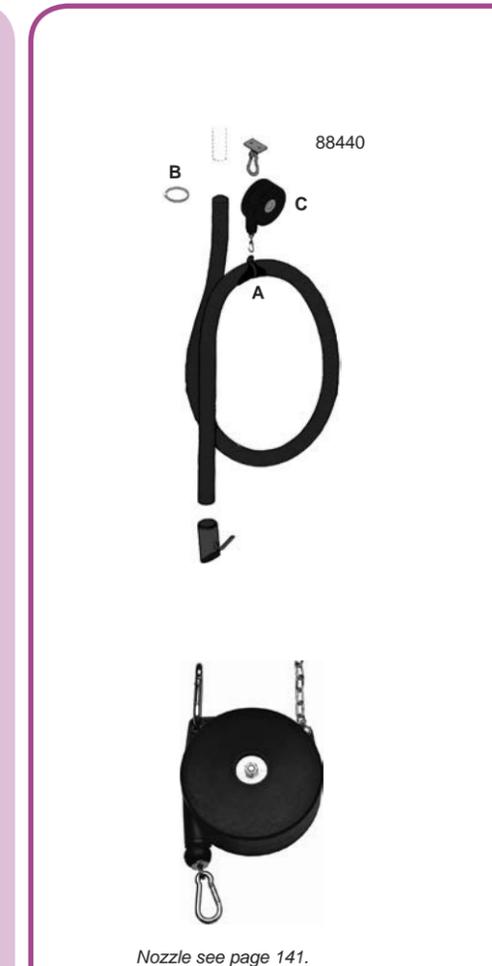
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72101011
72101063
72101021

88590
88591
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88440
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84443

84712
84713



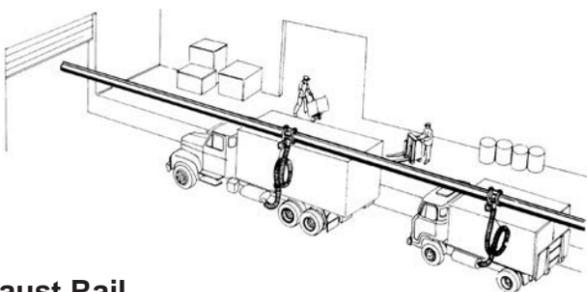
Nozzle see page 141.



Exhaust Rails

Straight Exhaust Rails

Straight rails solve the exhaust emission problem with vehicles being driven along a straight section indoors. The system comprises of exhaust hoses mounted on moving connectors which run along a suction rail fitted to the ceiling. The moving trolleys can be supplied for internal or external travel, with or without automatic uncoupling of the nozzle.



Exhaust Rail

With wall brackets, connectors, rubber seal, end cover and trolley stop. Nozzles not included (order separately). We recommend nozzles with wise grip.

Length	
14,6 m	84530
17,4 m	84531
20,4 m	84532
23,2 m	84533
26,2 m	84534
29,0 m	84535

Standard mounting tool for rubber lip.

Part No



84530
84531
84532
84533
84534
84535

84225

Internal Exhaust Trolley for Nozzle with Wise Grip

With balanser och hose hanger, without hose (order separately). Can be used for vehicle in motion.

Description

Internal exhaust trolley Ø 100 mm / 4".
Internal exhaust trolley Ø 150 mm / 6".

Note! Hose and nozzle order separately!

84211
84212



External Exhaust Trolley for Nozzle with Wise Grip

With balanser och hose hanger, without hose (order separately). Can be used for vehicle in motion.

Description

External exhaust trolley Ø 100 mm / 4".
External exhaust trolley Ø 150 mm / 6".

Note! Hose and nozzle order separately!

84215
84216



Rubber Nozzles. General Information

A rubber nozzle is used to connect the exhaust hose with the exhaust system of the vehicle. The nozzle is designed to take in cooling air, thereby reducing the exhaust fume temperature and resistance in the exhaust system and guaranteeing the accuracy of exhaust readings. These nozzles are highly suitable for use with fixed extractors, exhaust reels and straight rails (clamp fixing essential).

Specifications

The rubber nozzle is composed of moulded, high temperature resistant rubber. The nozzle is provided with an opening (which can be sealed with a rubber plug) suitable for insertion of an exhaust probe, diameter Ø 20 mm. The nozzle is designed for today's lorries, private cars and especially vehicles with twin exhaust pipes. The nozzle is attached to the exhaust hose via an angled pipe so as to facilitate connection to the exhaust pipe of the vehicle.

Temperature resistance: -40 °C to + 220 °C

Rubber Nozzle

Description	Hose diameter	Oval nozzle opening	Part No
Rubber nozzle	Ø 100 mm	Ø 140 - 25 mm	88560
Rubber nozzle	Ø 100 mm	Ø 180 - 30 mm	88561
Rubber nozzle	Ø 100 mm	Ø 200 - 50 mm	88562
Rubber nozzle	Ø 125 mm	Ø 200 - 50 mm	88563
Rubber nozzle	Ø 150 mm	Ø 200 - 50 mm	88564



Rubber Nozzle with Probe Opening and Clamp Fixing

Description	Hose diameter	Oval nozzle opening	Part No
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	88320
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	88324
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	88321
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	88322
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	88323



Rubber Nozzle with Probe Opening and Damper

Description	Hose diameter	Oval nozzle opening	Part No
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	88315
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	88316
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	88317
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	88318
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	88319



Rubber Nozzle with Probe Opening, Damper and Clamp Fixing

Description	Hose diameter	Nozzle opening	Part No
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	88325
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	88326
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	88327
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	88328
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	88329



Rubber Nozzle with Probe Opening, Spring Fixing

Description	Hose diameter	Nozzle opening	Part No
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	88520
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	88521
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	88522
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	88523
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	88524



Metal Nozzle with Rubber Lid

Description	Hose diameter	Nozzle opening	Part No
Metal nozzle	Ø 75 mm	Ø 100 mm	88310
Metal nozzle	Ø 100 mm	Ø 100 mm	88311
Metal nozzle	Ø 125 mm	Ø 125 mm	88312
Metal nozzle	Ø 125 mm	Ø 150 mm	88313
Metal nozzle	Ø 150 mm	Ø 150 mm	88314



Stacker Nozzle for Vertical Exhaust Pipes

Description	For Exhaust hose	Opening
Nozzle for vertical exhaust	Ø 125 mm/5"	Ø 200 mm / 8"
Nozzle for vertical exhaust	Ø 150 mm/6"	Ø 250 mm / 10"

Telescopic handle for Stacker nozzles.

Spring clip for Stacker nozzles.

Part No

88396
88397

88398

88399



Exhaust Nozzle for Hidden Exhaust Pipes

Description	For Exhaust hose	Opening
Exhaust nozzle, with a hand pump	Ø 150 mm / 6"	Ø 90-160 mm
Exhaust nozzle, for compressed air	Ø 150 mm / 6"	Ø 90-160 mm
Exhaust nozzle, universal	Ø 100 mm / 4"	Ø 35-70 mm

88555
88556
88565

Exhaust Funnel

For simple, fast and accurate exhaust fume readings. The adjustable exhaust funnel is placed behind the vehicle exhaust pipe in order to capture and remove exhaust fumes. The exhaust fume readings are entirely resistance free and cooling air reduces the temperature. To be used with Ø 150 mm hoses and nozzles.

Description	Opening facing exhaust pipe
Exhaust funnel	200 x 230 mm

88395



Exhaust Funnel for Heavy Machinery

Exhaust funnel for heavy machinery, tractors and similar where the exhaust is very big and pointing upwards. Can also be used as an adapter for an existing exhaust nozzle. Exhaust pipe maximum diameter Ø400 mm, connection for exhaust hose or nozzle Ø145 mm.

Description	Exhaust pipe max Ø
Exhaust funnel	Ø400 mm

88568

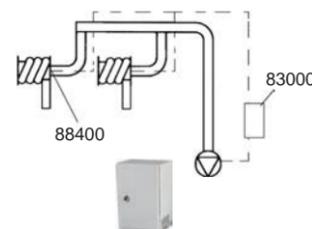


Starter

For automatic start and stop of the fan when one or two exhaust reels are installed. Used together with a micro switch (88400). Comes complete with built-in contactor and transformer. Can supply power to damper (84312). It must be fitted with relevant motor overload protector (not included), see next page.

Description	Power supply
Starter	3~ 230 / 400 V

83000

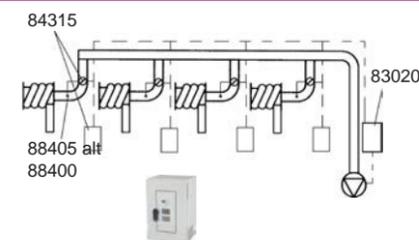


Control Box

Fully automatic control box for operation of the fan. The fan can be controlled manually or by using the pressure sensor (88405). It can also be combined with automatic damper (84315). Adjustable over run period of 7 sec. to 6 min. Built-in contactor must be equipped with suitable overload protector (not included), see below.

Description	Power supply
Control box	3~ 230 / 400 V

83020



Motor Overload Protector

The rating of the protector depends on which fan is used. For installation in resp. control boxes.

Description
Overload, 0,9 - 1,3 A
Overload, 1,4 - 2,0 A
Overload, 2,3 - 3,2 A
Overload, 4,5 - 6,3 A
Overload, 7,2 - 10 A

88421
88422
88423
88424
88425

Frequency Inverter

The DCV-Controller will operate your process ventilation by monitoring the air pressure of your system. The DCV-Controller will only run the fans to meet the demand of your production and do it automatically.

Description
DCV Controller 1,1 KW, PID regulator, EMC-filter, 380-460 V
DCV Controller 2,2 KW, PID regulator, EMC-filter, 380-460 V
DCV Controller 4,0 KW, PID regulator, EMC-filter, 380-460 V
DCV Controller 5,5 KW, PID regulator, EMC-filter, 380-460 V
DCV Controller 7,5 KW, PID regulator, EMC-filter, 380-460 V

Pressure sensor (0-2500 Pa).

Part No

84370
84371
84372
84373
84374

83015

84370



83015



Fan Starter with Push-button

To be used when no automatic start or control units are used. Mounted in a plastic-encased box.

Description
Motorstarter IP55 w. overload 1,0 - 1,6 A 230 - 690 V AC
Motorstarter IP55 w. overload 1,6 - 2,5 A 230 - 690 V AC
Motorstarter IP55 w. overload 2,5 - 4,0 A 230 - 690 V AC
Motorstarter IP55 w. overload 4,0 - 6,3 A 230 - 690 V AC
Motorstarter IP55 w. overload 6,3 - 10,0 A 230 - 690 V AC
Motorstarter IP55 w. overload 10,0 - 16,0 A 230 - 690 V AC

84245
84246
84247
84248
84249
84250

84245



Start/stop with indicator for exhaust fan

For controlling automatic dampers and/or fans for exhaust reels or extraction arms. Use together with starter (83000) and automatic damper (84312). The indicator light can be wired to indicate when the damper is open and fan is on. 2x NO contacts.

Description	Power supply
Start/stop switch	24 V AC/DC

88408



Automatic Damper

Fully automatic, motorized damper, Ø 160 mm. Should be supplemented with a switch assembly (88400).

Description	Power supply
Automatic damper	24 V AC

84312



Transformer

Transformer for halogen lamp cartridge (84725), 230 V/24 V, 80 W.

Description	Power supply
Transformer	230 V/24 V AC, 80 W

88431



Micro Switch

Used for control of damper and fan in spring operated exhaust reels. This device can be used with starter (83000) or automatic damper (84315) and control unit (83020).

Description
Micro switch

88400



Extraction Arms

Extraction Arms. 1,5 , 2 and 3 m

Ball-bearing jointed extraction arms for dust, welding fumes, soldering, fumes, oil mist, fumes from solvents etc. Delivered complete with wall mounting bracket and a Ø160 mm spigot for connection to a central duct work system. The detachable hood with manual damper and safety mesh can be angled 110° forwards, backwards and to the sides. A LED-lamp can be fitted in the hood.

Description
Extraction 1,5 m
Extraction 2 m
Extraction 3 m

Part No

84700
84701
84702

84700



Ceiling Bracket for Extraction Arm

For ceiling mounting of an extraction arm.

Description	Length
Ceiling bracket	0,5 m
Ceiling bracket	1,0 m

84720
84721

84720



Bodywork Extraction Arm

Bodywork extraction arm for effective evacuation of welding fume, grinding dust and vapours when performing vehicle bodywork. Easy to manoeuvre with 360° movability and high positional stability. Ø 125 mm ventilation tube.

Description
Bodywork extraction arm 5 m with wall bracket
Bodywork extraction arm 5 m with ceiling bracket

84710
84711

84711



Extraction Arm with Extension Swing Arm

Extraction arm with extension swing arm, wall bracket, hose and Ø 160 mm ventilation tube.

Description	Length
Extraction arm with extension swing arm	4 m
Extraction arm with extension swing arm	5 m
Extraction arm with extension swing arm	7 m
Extraction arm with extension swing arm	9 m
Extraction arm with extension swing arm	11 m

84703
84704
84705
84706
84707

84704



Lighting and Switch

Lighting for extraction arm, LED-lamp 24V.

Description
Complete LED-lighting with on/off switch for fan
Complete LED-lighting
On/off switch for fan
Relay box 24 V AC, to be used together with electrical damper and light

84725
84726
84727
83023

84725



Accessories for Extraction Arms

Description
Glazier hood for extraction arm
3,5 m extension hose for extraction arms with magnetic bracket

84730
84731

84731



Fans

Mobile Mechanical Filter

1 phase 0,75 kW 220-240V 50Hz. Delivered with a 5 m cable. Filter up to 98% of the pollution.

Description	Length
Mobile mechanical filter with extraction arm	2 m
Mobile mechanical filter with extraction arm	3 m
Cartridge filter cassette (spare part)	
Carbon fiber cassette (spare part)	

Part No

84620
84621
84623
84624

84620



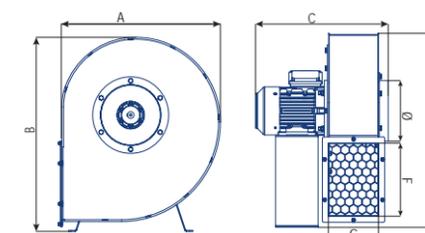
Fans for Exhaust and Fumes

Delivered with wall or ceiling bracket (84550-84553). Includes outlet with the same diameter as the inlet.

Rough Recommendations

Beside each respective fan you can see our rough recommendations for use.

Descript.	Free flow capacity	Power supply	Rated current	Output
Fan	1.400 m³/h	3~ 230/400 V, 50 Hz	1-1,1 A	0,37 kW
Fan	1.800 m³/h	3~ 230/400 V, 50 Hz	1,4-1,5 A	0,55 kW
Fan	2.160 m³/h	3~ 230/400 V, 50 Hz	1,9-2,0 A	0,75 kW
Fan	3.000 m³/h	3~ 230/400 V, 50 Hz	2,5-2,7 A	1,1 kW



Dimensions in mm

A	B	C	D	ø	F	G	Weight
426	508	383	508	158	189	131	20 kg
426	508	406	508	158	189	154	21 kg
477	566	450	566	198	212	168	27 kg
534	634	436	634	198	299	165	30 kg

Includes outlet with the same diameter as the inlet.

Air Flow in Exhaust Hoses:

Ø 75 mm	at air flow	< 270 m³/h
Ø 100 mm	at air flow	< 540 m³/h
Ø 125 mm	at air flow	< 810 m³/h
Ø 150 mm	at air flow	< 1.080 m³/h

Recommended Air Flow

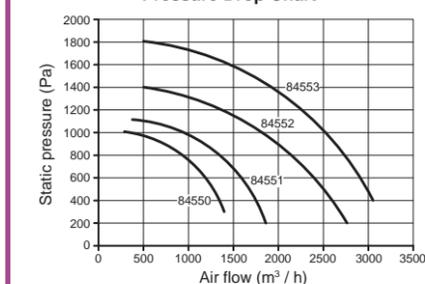
Cars = 360 m³/h
Trucks = 1080 m³/h

84551



Vehicle	Max no.	Hose Dim	Hose length
PV	< 3	100 mm	7,5 m
LV	1	150 mm	10 m
PV	< 4	100 mm	7,5 m
LV	1	150 mm	12,5 m
PV	< 4	100 mm	7,5 m
LV	1	150 mm	12,5 m
PV	< 5	100 mm	10 m
LV	< 2	150 mm	10 m

Pressure Drop Chart



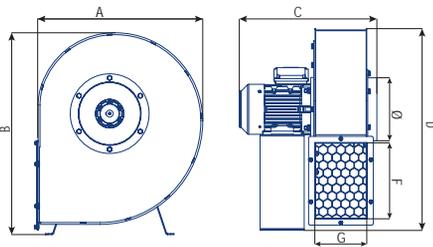
84550
84551
84552
84553

Fans and Accessories

Fans for larger systems

These robust fans are designed for larger systems of exhaust hose reels, straight rails and fume extractors. Can also be used for general ventilation and similar tasks. Stand and fan housing are made of steel and fan wheels are made of aluminum. Suitable to be used with frequency converter.

Free flow capacity	Power supply	Rated current	Output
5.500 m ³ /h	3~ 220/380 V	4,6 Amp (400V)	2,2 kW
7.500 m ³ /h	3~ 220/380 V	7,7 Amp (400V)	4,0 kW
12.000 m ³ /h	3~ 220/380 V	8,05 Amp (400V)	7,5 kW



Measures

A	B	C	D	Ø	F	G	Weight
598	707	505	707	248	271	180	46 kg
713	861	623	861	398	361	240	49 kg
790	982	740	982	498	401	283	67 kg

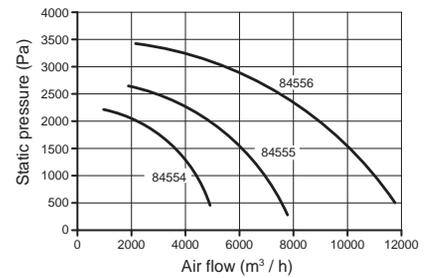
Part No

- 84554
- 84555
- 84556

84555



Pressure Drop Chart



Fan Mounting Kit

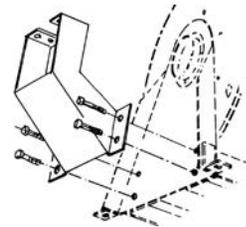
For mounting of fan 84323 directly on exhaust reels. Consists of bracket, rubber ring and fan socket.

Note! The standard tubular support should be removed.

Description

Fan mounting kit

88410



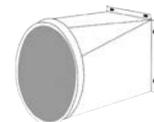
Fan Accessories

Description

Description	For Fan
Outlet from rectangular to round Ø 250 mm	84554
Outlet from rectangular to round Ø 400 mm	84555
Outlet from rectangular to round Ø 500 mm	84556

- 84571
- 84572
- 84573

84380



- Soft connection for noise and vibration free connection Ø 160 mm
- Soft connection for noise and vibration free connection Ø 200 mm
- Soft connection for noise and vibration free connection Ø 250 mm
- Soft connection for noise and vibration free connection Ø 315 mm
- Soft connection for noise and vibration free connection Ø 400 mm
- Soft connection for noise and vibration free connection Ø 500 mm

- 84384
- 84385
- 84386
- 84387
- 84388
- 84389

84384



- Anti-vibration dampers to isolate noise and vibration 84554, 84555
- Anti-vibration dampers to isolate noise and vibration 84556

- 85390
- 85391

85390





13 Installation Equipment

Installation Components, Oil.....	148
Installation Components, Grease	149
Installation Components, Water Based Fluids...	150
Installation Components, Oil and Grease.....	151
Installation Components	152
Accessories	155



Pipe Diameters for Different Pipe Lengths (EN10305-4)

Tube Length	Diameter
0 - 50 m	Ø 22 x 1,5 mm
0 - 150 m	Ø 28 x 2 mm
0 - 300 m	Ø 35 x 3 mm

E-Coated Steel Tubes for Oil

Part No	Description	Dimension, Ø x wall thickness
90101120	22x1,5FZ	E-Coated Steel tube Ø 22 x 1,5 mm, pipe length 6 m
90101162	28x2FZ	E-Coated Steel tube Ø 28 x 2 mm, pipe length 6 m
90101192	35x3FZ	E-Coated Steel tube Ø 35 x 3 mm, pipe length 6 m

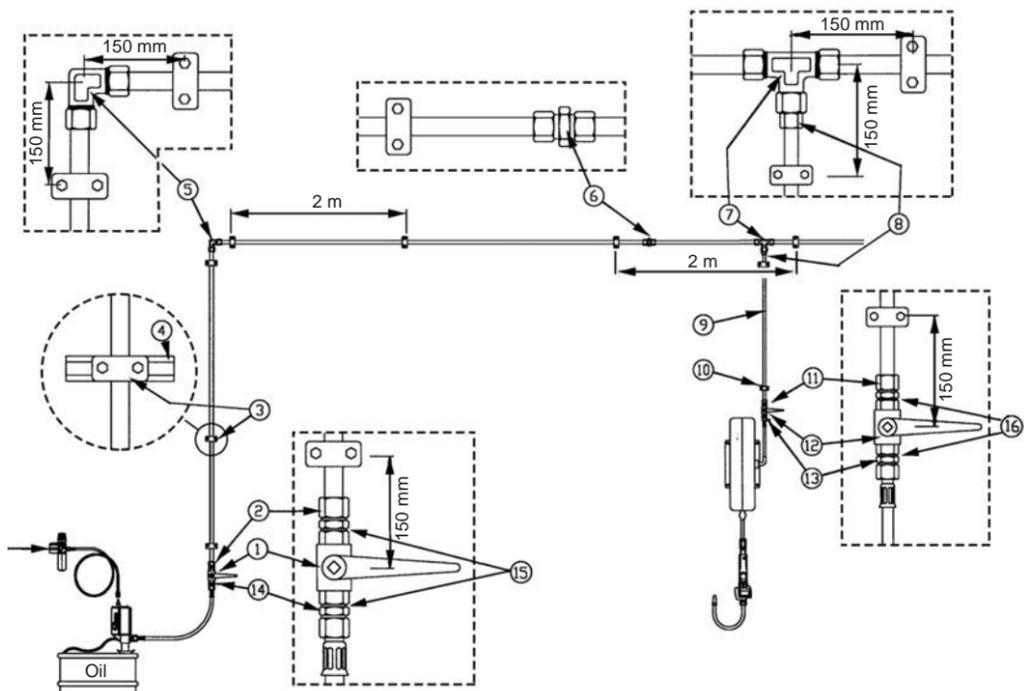
Installation Components

Item Nos refer to the drawing below

Item Description	Pipe diameter	Pipe diameter	Pipe diameter
	Ø 22 x 1,5 mm	Ø 28 x 2 mm	Ø 35 x 3 mm
1 Shut-off valve	30101111	30101081	30101087
2 Male connector	10103724	10103292	10103325
3 Pipe clamp	70101249	70101273	70101297
4 Bracket for clamp	70501423 (Length= 2 m)	70501423 (Length= 2 m)	70501423 (Length= 2 m)
5 Angle connector	10106490	10106496	10106502
6 Union connector	10103070	10103079	10103088
7 Tee connector	10106367	10106373	10106379
8 Reducer	-	-	10101564
9 Pipe	90101120 (L= 6 m)	90101162 (L= 6 m)	90101192 (L= 6 m)
10 Pipe clamp	70101249	70101273	70101249
11 Male connector	10103724	10103295	10103724
12 Shut-off valve	30101111	30101081	30101111
13 Adapter	25102053	25102065	25102053
14 Adapter	25102008	10105962	25102071
15 Rubber/Steel washer	10103544	10103517	10103523
16 Rubber/Steel washer	10103544	10103517	10103544

Installation Kits

Pump installation kit	99400	99401	99402	Parts included: Item 1, 2, 14, 2 pcs 15.
Pipe kit	99403	99404	99405	Parts included: Item 4, 6, 9, 4 pcs 3.
Reel installation kit	99406	99407	-	Parts included: Item 11,12, 13, 2pcs 16.



Pipe Diameters for Different Pipe Lengths (EN10305-4)

Tube Length	Diameter
0 - 20 m	Ø 20 x 3 mm
0 - 35 m	Ø 25 x 3 mm
0 - 60 m	Ø 38 x 4 mm

E-Coated Steel Tubes for Grease

Part No	Description	Dimension, Ø x wall thickness
73202	E-Coated Steel tube	Ø 20 x 3 mm, pipe length 6 m
73252	E-Coated Steel tube	Ø 25 x 3 mm, pipe length 6 m
73383	E-Coated Steel tube	Ø 38 x 4 mm, pipe length 6 m

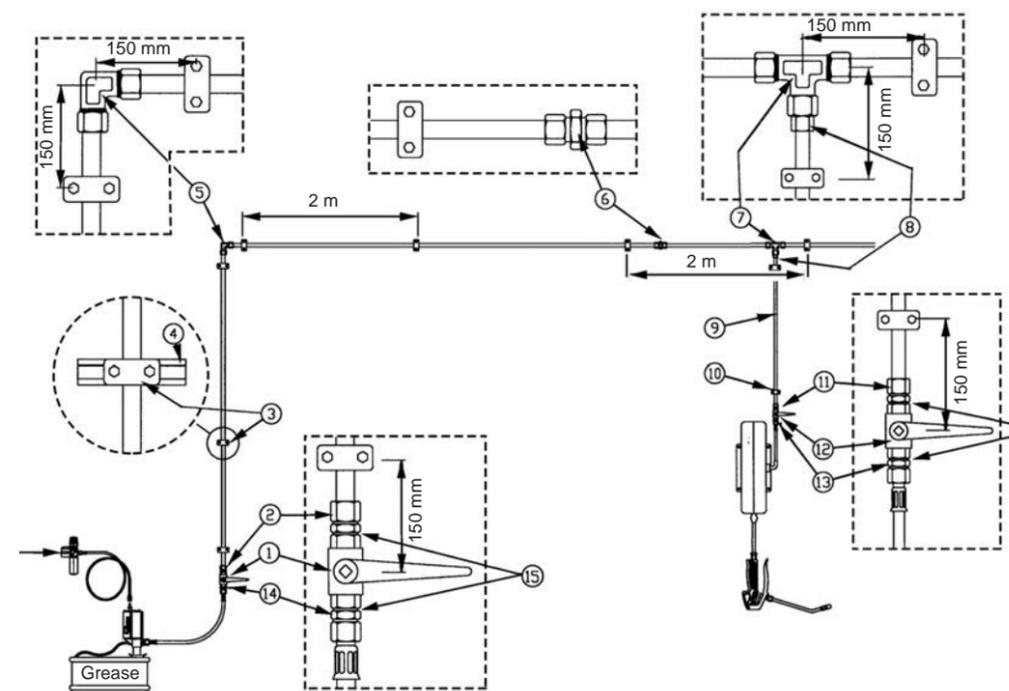
Installation Components

Item Nos refer to the drawing below.

Item Description	Pipe diameter	Pipe diameter	Pipe diameter
	Ø 20 x 3 mm	Ø 25 x 3 mm	Ø 38 x 4 mm
1 Shut-off valve	30201345	30201345	30201345
2 Male connector	10103250	10103280	10103337
3 Pipe clamp	70101237	70101261	70101303
4 Bracket for clamp	70501423 (Length=2 m)	70501423 (Length= 2 m)	70501423 (Length= 2 m)
5 Angle connector	10106484	10106493	10106505
6 Union connector	10103064	10103073	10103091
7 Tee connector	10106364	10106370	10106382
8 Reducer	-	10101498	10101588
9 Pipe	73202 (L= 6 m)	73252 (L=6 m)	73383 (L=6 m)
10 Pipe clamp	70101237	70101261	70101303
11 Male connector	10103250	10103280	10103337
12 Shut-off valve	30201345	30201345	30201345
13 Adapter	25102047	25102047	25102047
14 Adapter	25102047	+25102036	+25102047
		+10105986	+70091220
15 Rubber/steel washer	10103544	+10105986	+25102047
		+10103544	+10103544
16 Rubber/steel washer	10103544	+10103517	+10103523
		+10103517	+10103523

Installation Kits

Pump installation kit	99417	99418	99419	Parts included: Item 1, 2, 14, 2pcs 15.
Pipe kit	99420	99421	99422	Parts included: Item 4, 6, 9, 4pcs 3.
Reel installation kit	99423	99424	99425	Parts included: Item 11,12, 13, 2pcs 16.



Pipe Diameters for Different Pipe Lengths

Tube Length	Diameter
0 - 50 m	Ø 15 x 1,5 mm
0 - 300 m	Ø 22 x 1,5 mm

Stainless Steel Tubes for Water, Glycol etc

Part No	Description	Dimensions
90201015	Welded Stainless Steel (EN1.4301/TP304)	Ø 15 x 1,5 mm, pipe length 6 m
90201030	Welded Stainless Steel (EN1.4301/TP304)	Ø 22 x 1,5 mm, pipe length 6 m

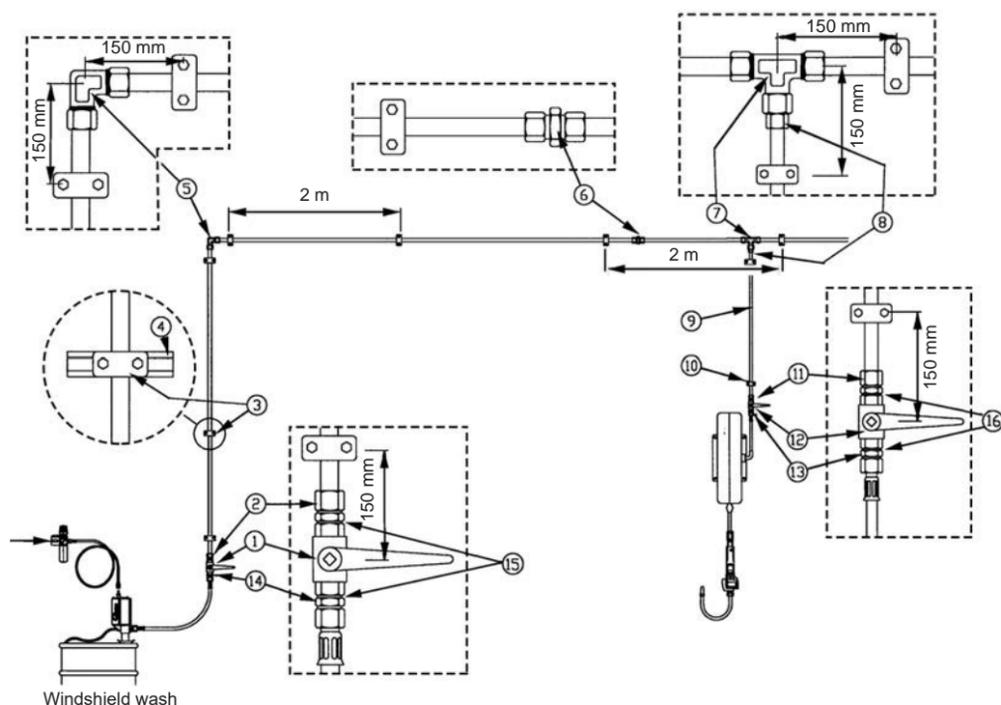
Installation Components

Item Nos refer to the drawing below

Item	Description	Pipe diameter	Pipe diameter
		Ø 15 x 1,5 mm	Ø 22 x 1,5 mm
1	Shut-off valve	30101093	30101111
2	Male connector	10201441	10201459
3	Pipe clamp	70101207	70101249
4	Bracket for clamp	70501423	70501423
		(Length= 2 m)	(Length= 2 m)
5	Angle connector	10202365	10202377
6	Union connector	10201363	10201375
7	Tee connector	10202275	10202296
8	Reducer	-	-
9	Pipe	90201015	90201030
		(Length= 6 m)	(Length= 6 m)
10	Pipe clamp	70101207	70101249
11	Male connector	10201441	10201459
12	Shut-off valve	30101093	30101111
13	Adapter	78020808	25101294
			+25201192
14	Adapter	78020808	25201294
			+25201192
15	Rubber/Steel washer	10103526	10103544
16	Rubber/Steel washer	10103526	10103544

Installation Kits

Pump installation kit	99408	99409 Parts included:Item 1, 2, 14, 2pcs 15.
Pipe kit	99410	99411 Parts included:Item 4, 6, 9, 4pcs 3.
Reel installation kit	99412	99413 Parts included:Item 11,12, 13, 2pcs 16.



Rubber/Steel Washer

Description	Description
GBR 1/8"	Rubber/steel washer
GBR 1/4"	Rubber/steel washer
GBR 3/8"	Rubber/steel washer
GBR 1/2"	Rubber/steel washer
GBR 3/4"	Rubber/steel washer
GBR 1"	Rubber/steel washer
GBR 1 - 1/4"	Rubber/steel washer
GBR 1 - 1/2"	Rubber/steel washer
GBR 2"	Rubber/steel washer

Part No

10103532
10103529
10103547
10103526
10103544
10103517
10103523
10103520
10103538



Adapters in Steel

Description	Thread male-male	Max. pressure
Adapter	G1/8" - G1/8"	64 MPa (640 bar)
Adapter	G1/8" - G1/4"	64 MPa (640 bar)
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/4"	64 MPa (640 bar)
Adapter	G1/2" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/4" - G3/8"	64 MPa (640 bar)
Adapter	G3/4" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G1" - G1/2"	40 MPa (400 bar)
Adapter	G1" - G3/4"	40 MPa (400 bar)
Adapter	G1" - G1"	40 MPa (400 bar)
Adapter	G1 1/4" - G3/4"	40 MPa (400 bar)
Adapter	G1 1/4" - G1"	40 MPa (400 bar)
Adapter	G1 1/2" - G1"	40 MPa (400 bar)
Adapter	G1 1/2" - G2"	40 MPa (400 bar)
Adapter	G2" - G2"	40 MPa (400 bar)

25101978
25102023
25101981
25102032
25101987
25102035
25102041
25101999
25102038
25102047
25102053
25102008
25102056
25102065
25102011
25102068
25102071
25102074
25102083
25102020



Bulkhead fitting in Steel

Description	Thread (male-male)	Max. pressure
Bulkhead Fitting	G1/4" - G1/4"	64 MPa (640 bar)
Bulkhead Fitting	G3/8" - G3/8"	64 MPa (640 bar)
Bulkhead Fitting	G1/2" - G1/2"	64 MPa (640 bar)
Bulkhead Fitting	G3/4" - G3/4"	64 MPa (640 bar)
Bulkhead Fitting	G1" - G1"	64 MPa (640 bar)

25101768
25101771
25101774
25101780
25101783



Bushings, in Steel

Description	Thread (male-female)	Max. pressure
Bushing	G1/4" - G1/8"	40 MPa (400 bar)
Bushing	G3/4" - G1/4"	40 MPa (400 bar)
Bushing	G3/4" - G3/8"	40 MPa (400 bar)
Bushing	G3/4" - G1/2"	40 MPa (400 bar)
Bushing	G3/4" - G1"	40 MPa (400 bar)
Bushing	G3/4" - G1 1/4"	40 MPa (400 bar)
Bushing	G1 1/4" - G3/4"	40 MPa (400 bar)

25101819
10105998
10106001
25101864
25101871
70091220
10105941



Adapter in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G1/2" - G1/2"	40 MPa (400 bar)
Adapter	G3/4" - G1/2"	40 MPa (400 bar)
Adapter	G1" - G3/4"	40 MPa (400 bar)

25101942
25101948
25101963



Reduction in Steel

Description	Pipe dimension	Max. pressure
Reduction Stainless Steel	Ø 22 - Ø 15 mm	25 MPa (250 bar)
Reduction	Ø 22 - Ø 15 mm	25 MPa (250 bar)
Reduction	Ø 28 - Ø 22 mm	25 MPa (250 bar)
Reduction	Ø 35 - Ø 28 mm	25 MPa (250 bar)
Reduction	Ø 35 - Ø 22 mm	25 MPa (250 bar)
Reduction	Ø 25 - Ø 20 mm	40 MPa (400 bar)
Reduction	Ø 38 - Ø 25 mm	40 MPa (400 bar)
Reduction	Ø 38 - Ø 20 mm	40 MPa (400 bar)

10201474
10101474
10101519
10101567
10101564
10101498
10101591
10101588



Adapters with a Swivelling Nut, in Steel

Description	Thread (male-female)	Max. pressure
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G1/4" - G3/8"	64 MPa (640 bar)
Adapter	G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G3/8" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G1/2"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G1/2" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G3/4"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G3/4" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G1"	64 MPa (640 bar)
Adapter	G1" - G1"	64 MPa (640 bar)
Adapter	G1" - G3/4"	64 MPa (640 bar)

Part No
25102341
25102344
25102350
25102347
25102353
25102359
25102356
25102365
25102383
25102377
25102386
25102392
25102389



W-adapters with a Swivelling Nut, in Steel

Description	Thread (male-female)	Max. pressure
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G1" - G1"	64 MPa (640 bar)

25102428
25102431
25102434
25102440
25102446



Adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)

25101903
25101909



W-adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)

25101126
25101132
25101117



T-adapters, in Steel

Description	Thread (male-male-male)	Max. pressure
Adapter	G1/4" - G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G1" - G1" - G1"	64 MPa (640 bar)

25102866
25102867
25102869
25102875
25102878



Plug, in Steel

Description	Thread (male)	Max. pressure
Plug	G1/4"	64 MPa (640 bar)
Plug	G1/2"	64 MPa (640 bar)
Plug	G3/4"	64 MPa (640 bar)
Plug	G1"	64 MPa (640 bar)
Plug	G2"	2,5 MPa (25 bar)

25101513
25101519
25101495
25101498
9320119



Quick Connector, in Steel

Description	Thread (female)	Max. pressure
Male	G1/2"	16 MPa (160 bar)
Female	G1/2"	16 MPa (160 bar)
Male	G3/4"	16 MPa (160 bar)
Female	G3/4"	16 MPa (160 bar)

35101222
35101216
35101273
35101258



Adapters, in Brass

Description	Adapter	Thread (male-male)
RNA 1/8" - 1/8"	Adapter	G1/8" - G1/8"
RNA 1/4" - 1/4"	Adapter	G1/4" - G1/4"
RNA 1/2" - 1/2"	Adapter	G1/2" - G1/2"
RNA 1/2" - 3/8"	Adapter	G1/2" - G3/8"
RNA 1" - 1"	Adapter	G1" - G1"
RNA 1" - 3/4"	Adapter	G1" - G3/4"
RNA 1 1/2" - 1"	Adapter	G1 1/2" - G1"
RNA 2" - 2"	Adapter	G2" - G2"

Part No
25201216
25201210
25201192
25201201
25201171
25201204
25201177
25201219



Bushings, in Brass

Description	Bushing	Thread (male-female)
RNI 1/4" - 1/2"	Bushing	G1/4" - G1/2"
RNI 1/4" - 3/8"	Bushing	G1/4" - G3/8"
RNI 1/4" - 1/8"	Bushing	G1/4" - G1/8"
RNI 3/8" - 1/4"	Bushing	G3/8" - G1/4"
RNI 1/2" - 3/8"	Bushing	G1/2" - G3/8"
RNI 3/4" - 1/2"	Bushing	G3/4" - G1/2"
RNI 3/4" - 3/8"	Bushing	G3/4" - G3/8"
RNI 3/4" - 1/4"	Bushing	G3/4" - G1/4"
RNI 1" - 3/4"	Bushing	G1" - G3/4"
RNI 1" - 1/2"	Bushing	G1" - G1/2"
RNI 1" - 3/8"	Bushing	G1" - G3/8"
RNI 1 1/2" - 3/4"	Bushing	G1 1/2" - G3/4"
RNI 2" - 1 1/2"	Bushing	G2" - G1 1/2"
RNI 2" - 1"	Bushing	G2" - G1"

25201061
25201057
25201279
25201303
25201270
25201294
25201300
25201297
25201273
25201243
25201276
25201252
25201285
25201282



Hose Fitting in Brass

Description	Hose Dimension	Thread (male)
Hose Fitting	3/8" (10 mm)	G1/2"
Hose Fitting	1/2" (13 mm)	G1/2"
Hose Fitting	3/8" (10 mm)	G1/4"
Hose Fitting	1/2" (13 mm)	G1/4"
Hose Fitting	1/2" (13 mm)	G3/4"
Hose Fitting	3/4" (20 mm)	G1/2"
Hose Fitting	3/4" (20 mm)	G3/4"
Hose Fitting	3/4" (20 mm)	G1"

38220806
38220808
38220406
38220408
38220812
38221208
38221212
38221612



Hose Clamp

Description	Dimension
Hose Clamp	Ø 8 - 16 mm
Hose Clamp	Ø 12 - 22 mm
Hose Clamp	Ø 16 - 25 mm
Hose Clamp	Ø 20 - 32 mm

72101051
72101126
72101081
72101087



Adapters in Stainless Steel

Description	Threads	Max. pressure
Adapter	G1/2" (m) - G1/2" (m)	64 MPa (640 bar)
Adapter	G3/4" (m) - G1/2" (m)	64 MPa (640 bar)
Adapter	G1" (m) - G1/2" (m)	64 MPa (640 bar)
Bulkhead Fitting	G1/2" (m) - G1/2" (m)	64 MPa (640 bar)
Adapter w. a swiveling nut	G1/2" (m) - G1/2" (f)	64 MPa (640 bar)
W-Adapter 90°	G1/2" (m) - G1/2" (f)	64 MPa (640 bar)
T-Adapter	3 x G1/2" (m)	64 MPa (640 bar)
Adapter w. two swiveling nuts	G1/2" (f) - G1/2" (f)	64 MPa (640 bar)
Reducer	Ø 22 - Ø15 mm	25 MPa (250 bar)

78020808
78020812
78020816
78900808
78080808
78310808
78510808
78070808
10201474



Shut-off Valves in Steel

Description	Media	Thread (f)	Max. pressure
BKH R 1/8	Grease and oil	G1/8"	50 MPa (500 bar)
BKH R 1/4	Grease and oil	G1/4"	50 MPa (500 bar)
BKH R 3/8	Grease and oil	G3/8"	50 MPa (500 bar)
BKH R 1/2	Grease and oil	G1/2"	50 MPa (500 bar)
BKH R 3/4	Grease and oil	G3/4"	40 MPa (400 bar)
BKH R 1	Grease and oil	G 1"	35 MPa (350 bar)
BKH R 1 1/4	Grease and oil	G 1 1/4"	35 MPa (350 bar)

Part No

- 30201339
- 30201330
- 30201354
- 30201315
- 30201345
- 30201300
- 30201309



Shut-off Valves in Brass

Valves in brass with PTFE-seals, lever or handle. For Oil, air and water

Thread (f)	Pressure	Operation
G3/8"	6,4 MPa (64 bar)	Lever
G1/2"	6,4 MPa (64 bar)	Lever
G3/4"	4,0 MPa (40 bar)	Lever
G1"	4,0 MPa (40 bar)	Lever
G1 1/4"	2,5 MPa (25 bar)	Lever
G1 1/2"	2,5 MPa (25 bar)	Lever
G2"	2,5 MPa (25 bar)	Lever
G1/4"	6,4 MPa (64 bar)	Handle
G3/8"	6,4 MPa (64 bar)	Handle
G1/2"	6,4 MPa (64 bar)	Handle
G3/4"	4,0 MPa (40 bar)	L-drilled, 3 ways
G1/4" (f) - G1/4" (m)	2,5 MPa (25 bar)	Needle valve

- 30101117
- 30101093
- 30101111
- 30101081
- 30101087
- 30101084
- 30101102
- 30101129
- 30101144
- 30101123
- 30101069
- 28513



28513

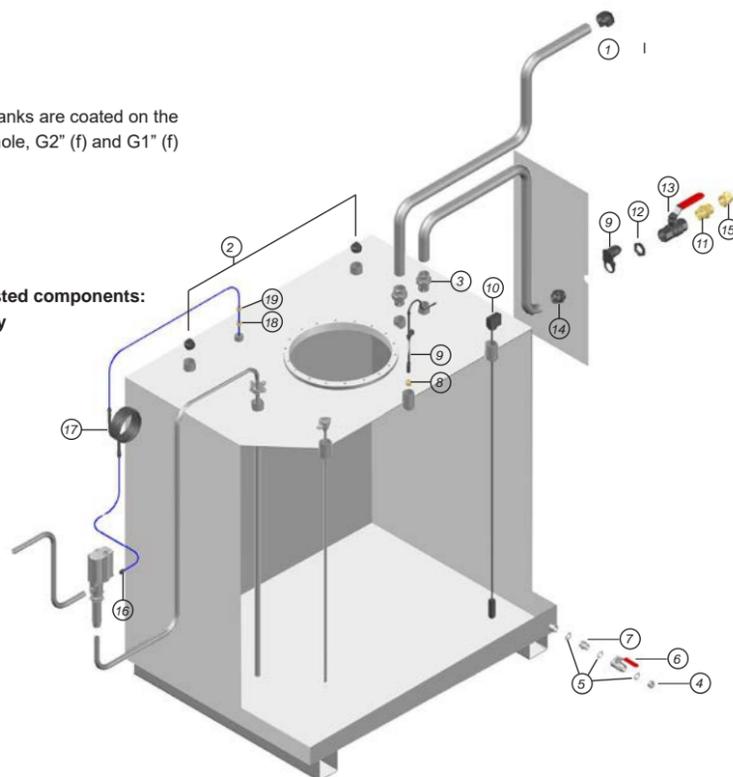
Tanks for oil

Manufactured in sheet steel in accordance with Swedish standards. The tanks are coated on the outside and untreated on the inside. The upper part is provided with manhole, G2" (f) and G1" (f) threaded connections and a G1 1/2" connection for the level sensor. The tank can also be ordered for outdoor purposes.

Order by specifying H x W x D (Total height = H + 225 mm)

Installation kit (99414) for fresh oil tank is composed by the below listed components:

Pos.	Description	Part no.	Qty
1	Ventilation cap	28194	1
2	Plug G2"	9320119	2
3	Union fitting G2"	9320104	2
4	Plug G1"	25101498	1
5	Rubber/steel washer G1"	10103517	3
6	Shut-off valve 1"	30101081	1
7	Fitting steel G1"-G1"	25102011	1
8	Bushing G1"-G1/2"	25201243	1
9	Overfilling protection	23163	1
10	Level gauge	2345475	1
11	Fitting G2"	9320106	1
12	Nut G2"	9320105	1
13	Shut-off valve G2"	30101102	1
14	Fitting G2"	25201219	1
15	Filling connection G2"	28197	1
16	Bushing G1/4"-G1/8"	25101819	1
17	Hose from pressure relief valve	480013M	1
18	Bushing G1"-G3/4"	25201273	1
19	Bushing G3/4"-G1/4"	25201297	1



Installation kit for waste oil (99415) and other fluids (99416) see next page.

Our tanks are not stocked items, only delivered against order

Complete connection kits for tanks

Connection kit for fresh oil tank including the following: level gauge, overfilling protection, union fittings, filling connection for trucks, ventilation cap for venting, plugs on the extra connection points, valve with plug for drainage in the bottom of the tank and a hose with adaptors for the pressure relief protection of the pump.

Connection kit for waste oil tank including the following: level gauge, union fittings, emptying connection for trucks, ventilation cap for venting, plugs on the extra connection points and valve with plug for drainage in the bottom of the tank.

Connection kit for waste liquid tank including the following: level gauge, union fittings, emptying connection for trucks, ventilation cap for venting, plugs on the extra connection points and valve with plug for drainage in the bottom of the tank.

Accessories for tanks

- Ventilation cap in aluminum 180°, connection thread G2" (f)
- Ventilation cap in aluminum 90°, connection thread G2" (f)
- Filling connector in brass, straight
- Filling connector in brass, 30°
- Level gauge for tanks, max height of tank 2,5 m, connection thread G1 1/2" (m)
- Level gauge for tanks, max height of tank 3 m, connection thread G1 1/2" (m), can be mounted beside the tank, connected by means of a hose (10 m included), scale in l or %.
- Plug in steel, connection thread G1/2" (m)
- Plug in steel, connection thread G3/4" (m)
- Plug in steel, connection thread G1" (m)
- Plug in steel, connection thread G1 1/2" (m)
- Plug in steel, connection thread G2" (m)

Part No

- 99414
- 99415
- 99416
- 28194
- 28195
- 28196
- 28197
- 2345475
- 29126
- 25101519
- 25101495
- 25101498
- 25101507
- 9320119



Filling cabinet

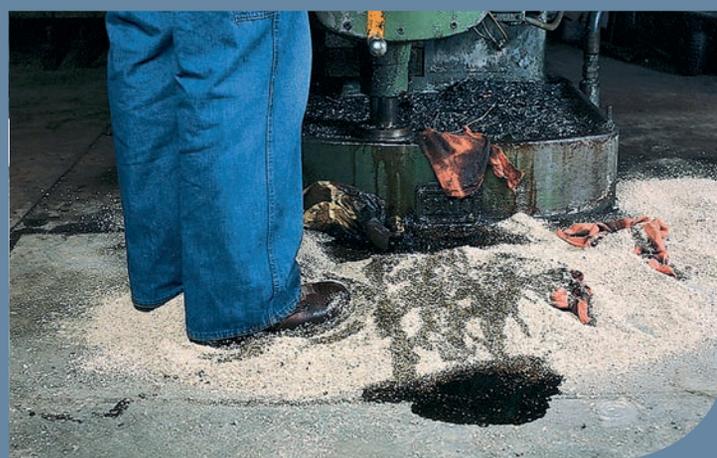
The cabinet is made in stainless steel sheet for wall mounting. The door is sealed to prevent water or other contamination entering the cabinet. The cabinet is manufactured to withstand outdoor environment.

Description

Lockable filling cabinet made in stainless steel sheet. Dimensions (L x W x D) 800 x 600 x 300 mm, excluding filling connectors. Cabinets are available in other dimensions!

24104





14 Sorbents

Sorbents for Oil Only	158
Universal Sorbents	159
Spill Rugs	160



Sorbents for Petroleum Based Liquids

Highly absorbent meltblown polypropylene center for cost-effectiveness. Absorbs petroleum based liquids and repels water. Spunbond on both sides gives superior strength.

Spunbond material allows for high abrasion resistance when wiping rough surfaces. Perforations minimize waste. Dimples give added strength. Virtually lint-free.

Pads

OPW our best products for wiping. Strong and doesn't leave any lint.

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/box	120
Light weight	41 x 46 cm	200/box	154

Part No

34000
34001

Rolls

OPW for industrial cleaning, very absorbent and doesn't leave lint.

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	120
High weight	81 cm	46 m/roll	240

34002
34003

Mini Booms

Filled with 100% polypropylene for cost effectiveness. Flexible - can thereby be shaped around leaky machinery or drums. Available in different sizes. Can also be used during clean up of smaller oil spills on water. Ideal for use in order to surround and contain liquids during a land spill. Absorbs petroleum based liquids and repels water.

Description	Size	Quantity	Absorbency*
Mini boom	Ø 7,6 x 122 cm	15/package	85
Mini boom	Ø 7,6 x 305 cm	6/package	84
Mini boom	Ø 13 x 300 cm	4/package	135

34004
34005
34006

Drum Tops

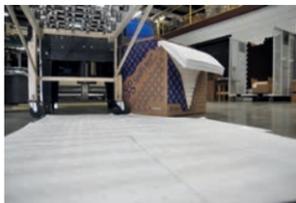
Already have pre-cut holes in order to perfectly fit on 200 liter drums. Prevents drum top leaks from reaching the floor, thus preventing slippery floors. Absorbs petroleum based liquids and repels water.

Only for oil and other petroleum based products.

Description	Size	Quantity	Absorbency*
Drum Tops for 200 litres drums	Ø 56 cm	25/box	50

34007

* Absorbency in litres/packaging



Sorbents for Oil and Water

Absorbs and retains oil, water, solvents, coolants, etc. Available in various weights. Keeps floors clean and dry. Place under and around machinery, use to line shelves, and for clean-up applications. Use as a rag for quick wipe-ups. Dimple bonded for strength. Center perforated for a customized fit.

Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/box	108
Light weight	41 x 46 cm	200/box	133

Part No

34100
34101



Rolls

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	120
High weight	81 cm	46 m/roll	240

34102
34103



Sorbents for Universal Use

Absorbs most industrial liquids (oil-based as well as water-based). One-sided spunbond gives added strength. Spunbond material allows for high abrasion resistance when used in high traffic areas. All rolls are perforated down center as well as across the width thus minimizing waste. Packed in a sturdy box for easy handling. Dimples add strength. Rolls are static resistant, giving greater safety when handling flammable liquids.

Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/package	120

34104

Rolls

Description	Size	Quantity	Absorbency*
High weight	81 cm	46 m/roll	240

34103

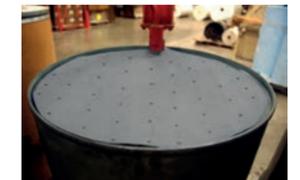


Mini Booms for all fluids

Flexible - can thereby be shaped around leaky machinery or drums. Available in two different lengths for added customer choice. Can also be used during clean up of smaller oil spills on water. Ideal for use in order to surround and contain liquids during a land spill. Absorbs petroleum based liquids as well as water based liquids. Can be used as temporary containment during a spill situation.

Description	Size	Quantity	Absorbency*
Mini Boom	Ø 7,6 x 122 cm	15/package	85
Mini Boom	Ø 7,6 x 305 cm	6/package	84

34106
34107



Drum Tops

Already have pre-cut holes in order to perfectly fit on 200 liter drums. Prevents drum top leaks from reaching the floor, thus preventing slippery floors. Absorbs most industrial liquids (oil-based as well as water-based.)

Description	Size	Quantity	Absorbency*
Drum Tops for 200 litres drums	Ø 56 cm	25/box	50

34108



* Absorbency in litres/packaging

Spill Rugs

Spill Rug

Adsorbs most industrial liquids (oil-based as well as water-based). Spunbond on one side gives superior strength. Spunbond material allows for high abrasion resistance when used in high traffic areas. All rolls are perforated twice down the center as well as across the width thus minimizing waste. Camouflage pattern masks stains and keeps floor looking clean.

Thick outer spunbond layer makes product extra resistant. Perforated down center as well as across width.

Rolls

Description	Size	Quantity	Absorbency*
High weight	81 cm	46 m/roll	264

Part No

34110



Spill Rug

Made from adsorbent needle punched polypropylene. Extremely strong construction allows for both walking and driving on rolls. Absorbs petroleum based as well as water based liquids. Ideal for putting in walkways or around machinery with heavy traffic. With anti-slip, impermeable backing to protect floors.

Rolls

Description	Size	Quantity	Absorbency*
Average weight, spill rug for in and outside use	91 cm	30 m/roll	80

34120



Spill Rug for In and Outside Use

Heavy duty poly backing prevents leaking of liquids into the ground. 3-piece construction gives high durability. Top layer gives UV protection, thereby warranting a longer lifespan of product. Applications including: under transformers to prevent oils from leaking onto ground, factory floors where liquids must not penetrate onto floor, factories/warehouses where a durable sorbent is needed due to high traffic and under heavy equipment (stamping tools, etc) in order to protect floor.

Rolls

Description	Size	Quantity	Absorbency*
Spill rug for in and outside use	147 cm	24 m/roll	352

34121

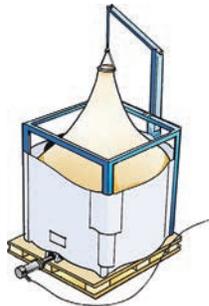


* Absorbency in litres/packaging

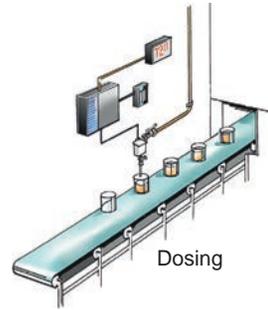
Industry



Distribution Equipment



Pumping



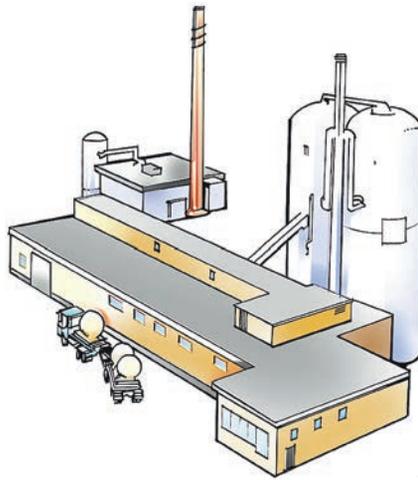
Dosing



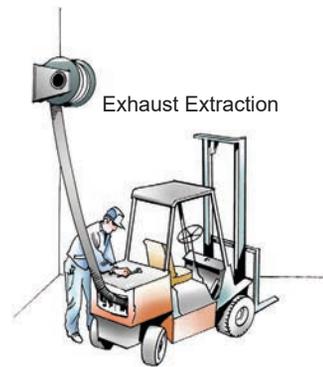
Accessories



Hose Reels

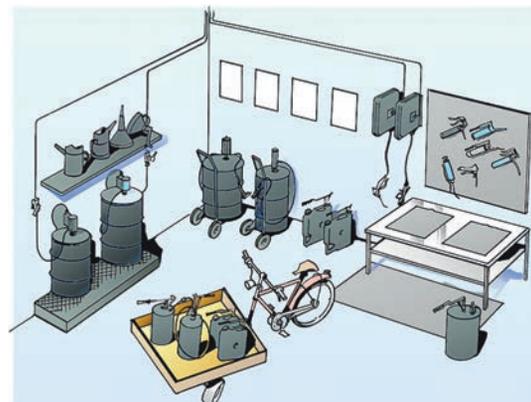
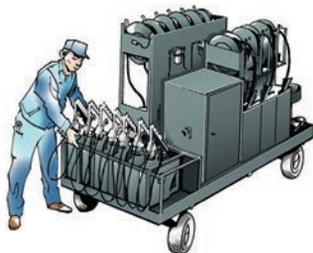


Smoke Extraction



Exhaust Extraction

Mobile Units



Complete Solutions



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