



SPECIALTY FLUID FITTINGS & ACCESSORIES CATALOG

For Lubrication Systems
Catalog B151

Contents

Page..... 4	Page..... 14	Page..... 24-25
Quick disconnect couplings	90 degree tubing adapter body	Dualine, Injector & Progressive
Page..... 5	90 degree tubing coupling assemblies	Low, Med. & High pressure hose assemblies
90 Deg Elbow Couplings	Page..... 15	Barrel pump & Specialty hose assemblies
Bulkhead Couplings	Banjo tubing adapter assembly	Page..... 26-27
Straight Connectors	Banjo tubing adapter body	Hose
Tee Couplings	Female branch tee tubing assembly	JIC adapters & 90 deg elbows
Page..... 6	Tee tubing adapter	Reusable JIC hose fittings
90 Deg Elbow Connectors	Tee tubing adapter assembly	JIC straight & tee adapters
90 Deg Adapters	Page..... 16	Page..... 28-29
Straight Couplings	Straight quick connect tubing adpt assy	Straight male swivels
Page..... 7	Tee male branch quick connect tubing assy	Grease fittings
30, 45 & 60 degree elbow connectors	Page..... 17	Tubing Clips
Female branch tee connectors	90 degree quick connect tubing adpt assy	Page..... 30
Male branch tee connectors	Banjo quick connect tubing assembly	Plastic tubing
Male run tee connectors	Straight quick connect tubing assembly	Spring cover
Swivel fittings	Tee quick connect coupling assembly	Wire braid cover
Page..... 8	Quick Connect Expander	Page..... 31
Close, hex & hex reducing nipples	Page..... 18	Metal tubing
Reducing bushings	Female compression nuts	Spiral wrap
Page..... 9	Male compression bushings	Split loom
Straight adapters	Page..... 19	Page..... 32-33
Page..... 10	Compression sleeves	Check valves
Straight tubing adapter assemblies-male	Tubing inserts	Pressure relief valves
Page..... 11	Page..... 20	Page..... 34-37
90 degree tubing adapter assemblies -male	Female caps	Meter units
Page..... 12	Hex & closure plugs	Page..... 38-41
90 degree tubing adapter assemblies	Page..... 21	Control units
Straight tubing adapter assemblies -female	Copper seals	Page..... 42
Straight tubing coupling adapter body	Drill bushings	PVB/PVBM fittings
Straight tubing coupling assemblies	Page..... 22-23	Chokes
Page..... 13	SLR hose assemblies	Lube Point Monitor
90 degree elbow adapter body	PDI hose & assemblies	
straight tubing adapter body		

Note:

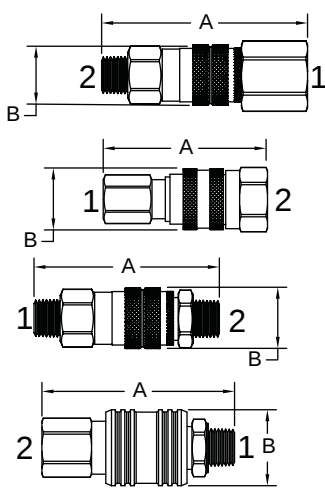
**Item part numbers in BLUE are non-stock.
Check with customer service for lead times.**

Contents

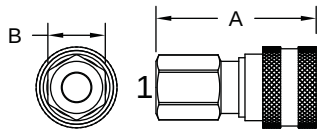
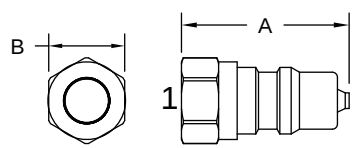
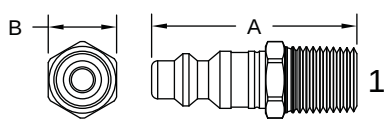
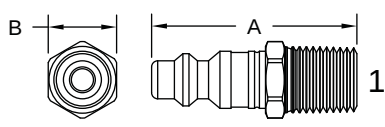
Page..... 43	Page..... 59	Page..... 73
Pneumatic Electric Solenoid Valves	Anchor Blocks	Inline Filters
Page..... 44	Anchor Tees	Fill Strainers
Electric Zone Valves	Page..... 60-61	Stainless Inline Filter
Page..... 45	Shut-off Needle Valves	Page..... 74-75
Electric Shut Off Valves	Adjustable Flow Restrictor	Air Vents
Timers	Drain Valves	Liquid Tight Fittings
Page..... 46	Indicator Caps	Ball Valves
Controllers	Brushes	Breather Vent Valves
Page..... 47	Page..... 62	Muffler Filters
Switches	Pressure Switches - Wire Leads	Vent Valves
Page..... 48	Pressure Switches - DIN Style	Deutsch Wire Assemblies
Junction Headers	Pressure Switches - Spade Type	Page..... 76
Page..... 49	Page..... 63	DIN Connectors
Junction Blocks	Pressure Switches - DIN Style	DIN Wire Assemblies
Page..... 50	Pressure Switches - Spade Type	Electric Cables
Junctions	Pressure Switches - Digital	Page..... 77
Page..... 51	Page..... 64	M12 Connectors
Special Junctions	Pressure Switches - NEMA 3	M12 Cables
Junction Bars - 1/8NPT	Pressure Switches - NEMA 4X	Bayonet Connectors
Page..... 52	Page..... 65	Page..... 78
Junction Bars - 5/16-24	Pressure Switches - NEMA 4/4X	Filter Regulators
Page..... 53	Pressure Switches - Open Frame Type	FRL's
Junction Bars - M10X1	Page..... 66	Page..... 79
Page..... 54	Pressure Switches - XP - Explosion Proof	Regulators
Junction Bars - M8X1	Page..... 67	Air Control Panels
Junction Bars - Double - 5/16-24	Pressure Switches - Air	Horns
Page..... 55	Page..... 68-69	Appendix..... 80-93
Quick Connect Junctions	Pressure Gauges	SLR Layout Compression
Page..... 56-57	Oil Level Sight Plugs	SLR Layout Push-to-Connect
ZEM Junctions	Page..... 70	SLR Layout Continious
Page..... 58	Window Units	PDI Layout Air-Oil
Dualine Anchor Blocks	Sight Feed	PDI Layout ZEM
Anchor Ell	Page..... 71	PDI Layout FL-33/42/32/43
	Nozzles	PDI Layout FL-11/FL-45
	Page..... 72	PDI Layout FL1/FL-44
	Inline Filters	PROG Layout 1000/FD
	Strainers	PROG Layout 3000
		PROG Layout M2500G
		PROG Layout PVB/PVBM
		PROG Layout U-BLOCK
		DUAL Layout DD/DM

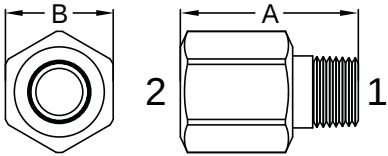
Search Tips:

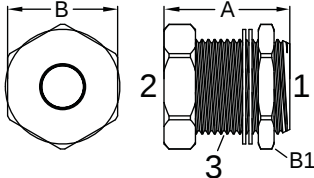
On your keyboard, push 'control' and the 'F' key together to search by part number or phrase.

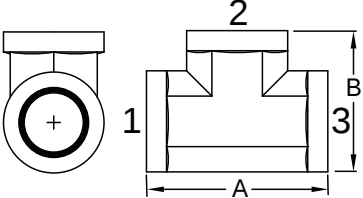
Quick Disconnect Couplings Complete		COUPLING	THREADS		BDI PART#	ISO	DIMENSIONS		DRAWINGS
			Female (1)	Male (2)			A	B	
	FS-M								
		1/8NPT	1/8NPT	B6571		2.09"	.625"		
		Female (1)	Female (2)			A	B		
	FS-F								
		1/8NPT	1/8NPT	B6576		2.09"	.625"		
		1/4NPT	1/4NPT	U43521	7241-1B	2.80"	.75"		
		3/8NPT	3/8NPT	U43531	7241-1B	2.80"	.75"		
		1/2NPT	1/2NPT	U43541	7241-1B	3.60"	1.125"		
		Male (1)	Male (2)			A	B		
	MS-M12								
		1/8NPT	1/8NPT	B6574		2.125"	.625"		
		Male (1)	Female (2)			A	B		
	MS-F								
		1/8NPT	1/8NPT	B6609		2.125"	.625"		

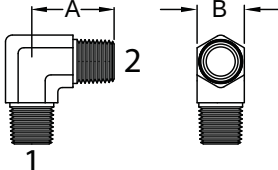
Note: To uncouple quick disconnect coupling, pull knurled sleeve in direction of arrow. To join quick disconnect coupling, push both ends together. An internal check valve prevents flow from line connected on left side, shown above.

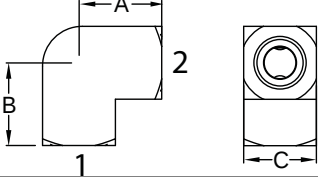
	THREAD	BDI	INFORMATION			DIMENSIONS		DRAWINGS
	Female (1)	PART #	CHECK	ISO	USED WITH	A	B	
Quick Disconnect Couplings Halves- SOCKETS 	1/8NPT	U422AC	ONE-WAY	6150B	U421A, MP	1.906"	.75"	
	1/8NPT	U422A	—	6150B	U421A, MP	1.906"	.75"	
	1/4NPT	UX43521	TWO-WAY	7241-1B	UX43522,TTN,DYN,DYX,BL,AF	2.265"	.88"	
	1/4NPT	U422BC	ONE-WAY	6150B	U422BC/U421B	2.125"	.75"	
	1/4NPT	U422B	—	6150B	U421BC/U421B	2.125"	.75"	
	3/8NPT	U422C	—	6150B	U421CC/U421C	2.187"	.812"	
	1/2NPT	UX43541	TWO-WAY	7241-1B	UX43542	2.937"	1.19"	
Quick Disconnect Couplings Halves- PLUGS 	Female (1)					A	B	
	1/4NPT	UX43522	TWO-WAY	7241-1B	UX43521	1.22"	.75"	
	1/2NPT	UX43542	TWO-WAY	7241-1B	UX43541	2.0"	1.125"	
	MALE (1)							
Quick Disconnect Couplings Halves- PLUGS 	1/4BSPT	52043	TWO-WAY	7241-1B	TTN	2.22"	.862"	
	Male (1)					A	B	
	1/8NPT	U421A	—	6150B	U422AC/U422A	1.59"	.50"	
	1/4NPT	U421BC	ONE-WAY	6150B	U422BC/U422B	1.75"	.562"	
	1/4NPT	U421B	—	6150B	U422BC/U422B	1.75"	.562"	
	3/8NPT	U421CC	ONE-WAY	6150B	U422CC/U422C	1.75"	.687"	
	3/8NPT	U421C	—	6150B	U422CC/U422C	1.75"	.687"	

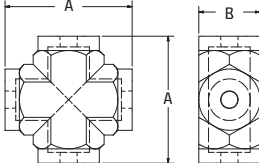
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	
Straight Connector 	1/8NPT	1/8NPT	35629-1	A3920	.75"	.50"	
	1/8NPT	1/8NPT	—	A3528	1.0"	.50"	
	1/8NPT	1/8NPT	35629-2	A2540	1.25"	.50"	

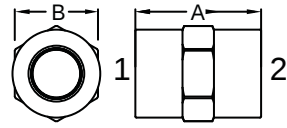
	THREADS		BDI PART #		DIMENSIONS			DRAWING
	Female(1)	Female(2)	Male(3)	Brass	A	B	B1	
Bulkhead Coupling With Nut 	1/8NPT	1/8NPT	3/4-20	21230-1	1.0"	.88"	.88"	
	1/4NPT	1/4NPT	3/4-16	32461-1	1.5"	1.0"	.938"	
	1/4NPT	1/4NPT	3/4-16	15757	0.938"	1.0"	1.0"	
	3/8NPT	3/8NPT	1-14	U162C	1.31"	1.0"	1.0"	
	1/2NPT	1/2NPT	1-1/8-14	U162D	1.50"	x	x	

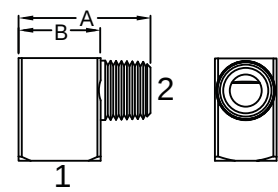
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Female(1)	Female(2)	Female(3)	Steel	Brass	A	B	
Tee Coupling 	1/8NPT	1/8NPT	1/8NPT	—	A4071	.562"	.75"	
	1/8NPT	1/8NPT	1/8NPT	—	U137A	1.125"	.563"	
	1/4NPT	1/4NPT	1/4NPT	—	B9592	1.438"	1.625"	
	1/4NPT	1/4NPT	1/4NPT	—	U137B	1.56"	.781"	
	1/4NPT	1/4NPT	1/4NPT	U163B	—	1.8"	.	
	3/8NPT	3/8NPT	3/8NPT	U163C	—	1.94"	.	
	1/2NPT	1/2NPT	1/2NPT	U163D	—	2.5"	.	

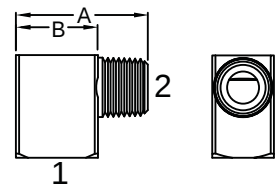
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Male(2)	Steel	Brass	A	B	
90 Deg Elbow Coupling 	1/4NPT	1/4NPT	—	27699	1.09"	.50"	
	1/4NPT	1/4NPT	37272	—	1.09"	.56"	

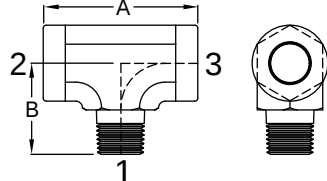
	THREADS		BDI PART #		DIMENSIONS			DRAWING
	Female(1)	Female(2)	Steel	Brass	A	B	C	
90 Deg Elbow Coupling 	1/8NPT	1/8NPT	—v	B8025	.5625"	.5625"	.5625"	
	1/8NPT	1/8NPT	U134A	—	.5468"	.5468"	.5468"	
	1/4NPT	1/4NPT	U134B	—	.781"	.781"	.781"	

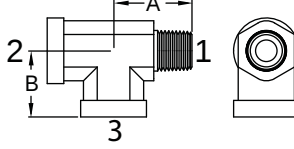
	THREADS				BDI PART #		DIMENSIONS		DRAWING
	Female(1)	Female(2)	Female(1)	Female(2)	Steel	Brass	A	B	
Crosses 	1/4NPT	1/4NPT	1/4NPT	1/4NPT	32213	-	2.72"	1.313"	
	1/4NPT	1/4NPT	1/4NPT	1/4NPT	37068	-	1.76"	-	

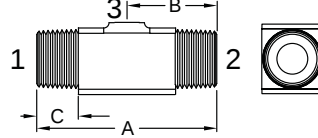
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Female(1)	Female(2)	Steel	Brass	A	B	
Straight Coupling 	1/8NPT	1/8NPT		B6539	.75"	.50"	
	1/4NPT	1/4NPT	B10501	B8614	1.12"	.75"	
	1/4NPT	1/4NPT	U112B*	-	1.25"	.72"	
	3/8NPT	3/8NPT	UX84D	UX84DB	1.50"	.81"	
	1/2NPT	1/2NPT	U112D*	-	2.12"	1.06"	
	3/4NPT	3/4NPT	U112E*	-	2.0"	1.37"	
	1NPT	1NPT	U112F*	-	2.37"	1.75"	
							*No Hex

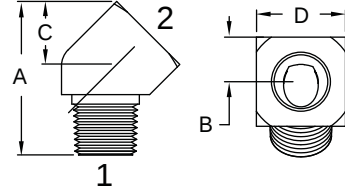
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(2)	Female(1)	Steel	Brass	A	B	
90 Degree Elbow Connector 	1/4-28	1/4-28	—	B4453	.53"	.313"	
	1/4-28	1/4-28	—	B6241	.656"	.312"	
	1/8NPT	1/8NPT	—	A2768	.812"	.50"	
	1/8NPT	1/8NPT	—	B5326*	.812"	.50"	
	1/8NPT	1/8NPT	—	B1936	.938"	.50"	
	1/8NPT	1/8NPT	—	A2309	1.25"	.50"	
	1/8NPT	1/8NPT	—	B1741	2.0"	.50"	
	1/8NPT	1/8NPT	—	A2539	1.63"	.50"	
	1/8NPT	1/8NPT	—	B1936	.937"	.50"	
	1/8NPT	1/8NPT	—	U152A	.81"	.50"	
	1/8NPT	1/8NPT	U1104AS	—	1.00"	.50"	
	1/8NPT	1/8NPT	50-5**	—	1.0"	.50"	
	1/4NPT	1/4NPT	—	U152B	1.12"	.688"	
	1/4NPT	1/4NPT	U1104B	—	1.34"	.69"	
	3/8NPT	3/8NPT	U1104C	U152C	1.75"	.88"	
	1/2NPT	1/2NPT	—	B8930-1	1.97"	1.67"	
	1/2NPT	1/2NPT	32582-1	—	1.97"	1.23"	
	1/8BSPT	1/8BSPT	—	19832	.81"	.50"	
	M6X1	M6X1	—	AR108	14MM	8MM	
	M8X1	M8X1	—	B8516-4	19MM	11MM	
	M8X1	M8X1	—	AR120	19MM	11MM	* CHROME **NICKEL

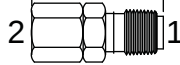
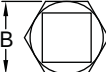
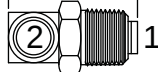
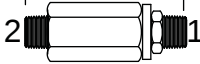
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(2)	Female(1)	Steel	Brass	A	B	
90 Degree Adapter 	10-32	1/8NPT	B7653	—	.81"	.50"	
	1/4-28	1/8NPT	27718	—	.81"	.50"	
	1/4-28	1/8NPT	A8440	—	1.0"	.78"	
	1/4-28	1/8NPT	50-4**	—	.81"	.50"	
	5/16-32	1/8NPT	B5717	—	.81"	.50"	
	1/8NPT	1/4NPT	U1105A	—	1.18"	.68"	
	1/8NPT	1/4NPT		33224C	1.40"	.82"	
	1/4NPT	3/8NPT	37009	—	1.7"	1.10"	
	1/8BSPT	1/8NPT		19833	.81"	.50"	
	M6X1*	1/8NPT	AR104	B8516-1	20MM	.472"	
	M8X1	1/8NPT	—	AR1682	20.7MM	12.7MM	
	M8X1.25*	1/8NPT	—	B8516-2	21MM	.50"	
	M10X1.5*	1/8NPT	—	B8516-3	21MM	.50"	
	M8X1.25*	1/8NPT	—	AR105	21MM	.50"	
	M10X1.5*	1/8NPT	—	AR106	21MM	.50"	
							*TAPERED **NICKEL

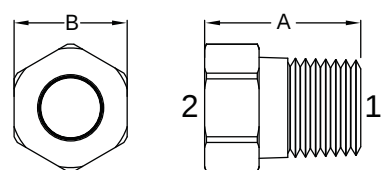
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Female(3)	Steel	Brass	A	B	
Tee Connectors Male Branch Tee 	1/8NPT	1/8NPT	1/8NPT	—	B4390	.50"	.687"	
	1/4NPT	1/4NPT	1/4NPT	37270	B10101	1.73"	1.1"	

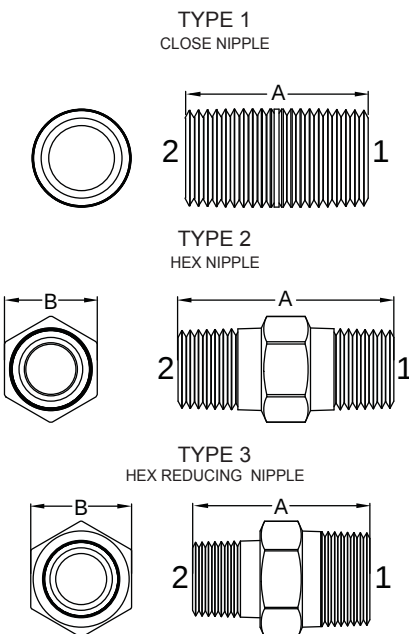
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Female(3)	Steel	Brass	A	B	
Tee Connectors Male Run Tee 	1/8NPT	1/8NPT	1/8NPT	—	15922	.78"	.55"	
	1/8NPT	1/8NPT	1/8NPT	26978	—	.78"	.66"	
	1/8NPT	1/8NPT	1/8NPT	—	U156A	.656"	.562"	
	1/4NPT	1/4NPT	1/4NPT	19283	—	.78"	.66"	
	1/4NPT	1/4NPT	1/4NPT	—	U156B	.906"	.781"	
	3/8NPT	3/8NPT	3/8NPT	26978-2	—	1.22"	1.02"	

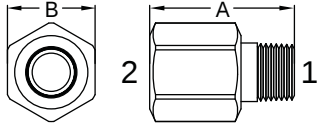
	THREADS			BDI PART #		DIMENSIONS			DRAWING
	Male(1)	Male(2)	Female(3)	Steel	Brass	A	B	C	
Female Branch Tee Connector 	1/8NPT	1/8NPT	1/8NPT	B3807	—	1.125"	.56"	.31"	

	THREADS		BDI PART #		DIMENSIONS					DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	C	D	DEGREE	
30, 45 & 60 Deg Elbow Connectors 	1/4-28	1/8NPT	20-6	—	.812"	.25"	.28"	.50"	45 DEG	
	1/4-28	1/8NPT	50-6*	—	.812"	.25"	.28"	.50"	45 DEG	
	1/8NPT	1/8NPT	—	B3133C	.83"	.25"	.25"	.50"	45 DEG	
	1/8NPT	1/8NPT	—	B2686	.81"	.25"	.25"	.50"	60 DEG	
	1/8NPT	1/8NPT	—	B2778	.93"	.25"	.25"	.50"	60 DEG	
	1/8NPT	1/8NPT	U1103A	—	1.0"	.25"	.25"	.50"	45 DEG	
	1/4NPT	1/4NPT	U1103B	—	1.34"	.34"	.22"	.69"	45 DEG	

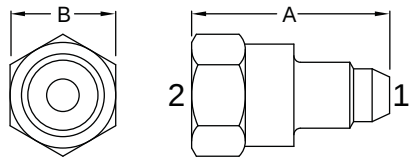
		THREADS		BDI PART #		DIMENSIONS			DRAWINGS								
		Male(1)	Female(2)	Steel	Brass	PSI	NOTES	A			B						
Swivel Fittings 	1/8NPT	1/8NPT	B5776	—	20	ELBOW SWIVEL	1.312"	.50"	      <td>1/8NPT</td> <td>1/8NPT</td> <td>B6666</td> <td>—</td> <td>20</td> <td>STRAIGHT SWIVEL</td> <td>1.312"</td> <td>.50"</td>	1/8NPT	1/8NPT	B6666	—	20	STRAIGHT SWIVEL	1.312"	.50"
	1/8NPT	1/8NPT	—	U9975	1000	ELBOW SWIVEL	2.34"	.562"									
	1/8NPT	1/8NPT	—	22633	20	ELBOW SWIVEL(B5776C)	39MM	.50"									
	1/4NPT	1/8NPT	B3010	—	20	ELBOW SWIVEL	1.312"	.625"									
	1/4NPT	1/4NPT	—	U9976	1000	ELBOW SWIVEL	2.34"	.562"									
	3/8NPT	1/8NPT	B3964	—	70	ELBOW SWIVEL	2.0"	.75"									
	Male(1)	Male(2)															
	1/4NPT	1/4NPT	U988B	—	10000	STRAIGHT SWIVEL	2.0"	.75"									

	THREADS		BDI PART #			DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	Stainless	A	B	
Reducing Bushing 	1/8NPT	1/4NPT	—	B9686	—	1.06"	.75"	
	1/4NPT	1/8NPT	—	B6131	—	.625"	.562"	
	1/4NPT	1/8NPT	U104B1	—	—	.625"	.625"	
	1/4NPT	1/8NPT	50-2*	—	—	.72"	.562"	
	3/8NPT	1/8NPT	—	B9955	—	.687"	.687"	
	3/8NPT	1/4NPT	—	B9956	—	.687"	.687"	
	3/8NPT	1/8NPT	U104C1	—	—	.656"	.687"	
	3/8NPT	1/4NPT	U104C2	—	—	.656"	.687"	
	1/2NPT	1/8NPT	—	B9904	—	.812"	.812"	
	1/2NPT	1/4NPT	—	B9953	—	.812"	.812"	
	1/2NPT	1/4NPT	—	—	FIT13682A54	1.08"	.875"	
	1/2NPT	1/8NPT	U104D1	—	—	.75"	.875"	
	1/2NPT	1/4NPT	U104D2	—	—	.75"	.875"	
	1/2NPT	3/8NPT	U104D3	—	—	.75"	.875"	
	3/4NPT	1/4NPT	U104E2	—	—	.84"	1.06"	
	3/4NPT	3/8NPT	U104E3	—	—	.84"	1.06"	
	1NPT	3/8NPT	U104F3	—	—	1.06"	1.437"	
	2NPT	1/2NPT	FIT13682A63	—	—	1.75	2.5"	
	1/4BSPP	1/8BSPT	—	17959	—	.625"	14MM	
	1/4BSPP	1/8NPT	—	17966	—	.625"	14MM	
	1BSPP	1/4NPT	B10485	—	—	1.03"	1.625"	
								* NICKEL

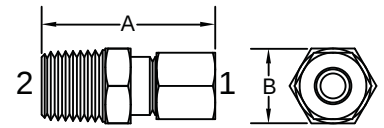
	THREADS		BDI PART #			DIMENSIONS			DRAWINGS
	Male(1)	Male(2)	Steel	Brass	Stainless	A	B	TYPE	
Nipples   	5/16-24	5/16-24	—	20124*	—	1.156"	.375"	2	
	1/8NPT	1/8NPT	—	A4019	—	.828"	.375"	2	
	1/8NPT	1/8NPT	—	—	21466	2.50"	-	1	
	1/8NPT	1/8NPT	—	—	35639	1.01"	.437"	2	
	1/8NPT	1/4-28	27715	—	—	1.21"	.437"	3	
	1/8NPT	5/16-24	—	B4317	—	.875"	.375"	3	
	1/4NPT	1/4NPT	32485-2	B8927-1	—	1.375"	.562"	2	
	1/4NPT	1/4NPT	—	U15122	—	1.375"	.562"	2	
	1/4NPT	1/4NPT	—	7108415	—	.875"	-	1	
	1/4NPT	1/8NPT	—	B9593	—	1.19"	.562"	3	
	1/4NPT	1/8NPT	—	22675	—	33MM	16MM	3	
	1/4NPT	1/8NPT	—	U15121	—	1.18"	.562"	3	
	3/8NPT	3/8NPT	32485-1	—	—	1.41"	.687"	2	
	3/8NPT	3/8NPT	—	—	35665	1.0"	-	1	
	3/8NPT	3/8NPT	FIT13682A12	—	—	1.5"	.687"	2	
	3/8NPT	3/8NPT	FIT13682A13	—	—	2.0"	.687"	2	
	3/8NPT	1/4NPT	—	U15132	—	1.40"	.562"	3	
	1/2NPT	1/2NPT	FIT13682A5	—	—	2.0"	.875"	2	
	M8X1	M8X1	—	34957C	—	13MM	-	1	
	M8X1	M8X1	—	15822*	—	.828"	10MM	2	
	M10X1	M10X1	—	34958C	—	15MM	-	1	
	M10X1	M10X1	—	25632*	—	26MM	11MM	1	
	M10X1	M10X1	—	AR1110	—	21MM	10MM	2	
	M12X1	M12X1	—	34959C	—	17MM	-	1	
									* JUNCTION BAR CONNECTOR

	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	
Straight Adapter 	10-32	1/8NPT	—	32667	.70"	.437"	
	1/4-28	1/8NPT	B4311	—	3/4"	.50"	
	1/4-28	1/8NPT	27717	—	7/8"	.50"	
	1/4-28	1/8NPT	20-1	—	.875"	.50"	
	1/4-28	1/8NPT	50-1**	—	.875"	.50"	
	1/4-28	1/4NPT	202-2A	—	.105"	.625"	
	1/8NPT	1/8BSPP	—	26718	17.65MM	14MM	
	1/8NPT	1/4NPT	U1106A	—	1.19"	.62"	
	1/8NPT	1/4NPT	—	B9686	1.06"	.75"	
	1/8NPT	1/4NPT	202-2	—	1.05"	.625"	
	1/8NPT	1/4NPT	502-2*	—	1.05"	.625"	
	1/4NPT	3/8NPT	U1106B	—	1.44"	.88"	
	1/4NPT	1/8BSPT	—	19583	.75"	.562"	
	3/8NPT	1/2NPT	U1106C	—	1.62"	1.0"	
	1/8BSPP	1/8NPT	B10279-3	—	7/8"	.562"	
	1/4BSPP	1/4NPT	B10279-4	—	1-3/16"	.75"	
	1/4BSPP	1/8BSPP	AR351	—	28MM	19MM	
	1/4BSPP	1/8NPT	B10279-7C	—	1"	.75"	
	1/8BSPT	M10X1	—	17020	1"	14MM	
	1/8BSPT	1/8NPT	—	35673	21MM	14MM	
	1/4BSPT	1/8BSPT	73490-2123	—	28MM	19MM	
	1/4BSPT	1/4NPT	—	35673-1	28.5MM	17MM	
	1/4BSPT	3/8BSPT	73490-2143	—			
	3/8BSPP	3/8NPT	B10279-5	—	1-1/4"	.875"	
	3/8BSPT	3/8NPT	—	35673-2	29.5MM	22MM	
	M5	1/8NPT	—	35622	.575"	14MM	
	M6X1*	1/8NPT	AR101	—	20MM	13MM	
	M8X1	1/8NPT	—	AR215	20MM	13MM	
	M8X1	1/8BSPT	—	17194	13/16"	14MM	
	M8X1.25*	1/8NPT	—	AR102	19MM	13MM	
	M10X1	1/8NPT	B10279-1C	—	7/8"	.562"	
	M10X1	1/4BSPP	AR514	—	28MM	17MM	
	M10X1.5*	1/8NPT	—	AR103	19MM	13MM	
	M12X1	1/8NPT	B10279-2C	—	7/8"	.625"	
	M16X1.5	1/8NPT	—	42444-5	32MM	19MM	
	M22X1.5	M20X1.5	56871	—	34MM	24MM	

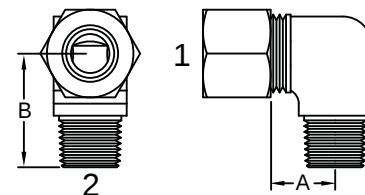
* TAPERED ** NICKEL

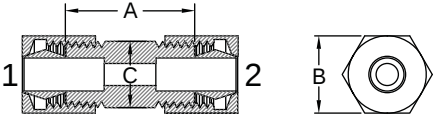
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	
Straight Adapter Bijur Special 	5/16-24	1/8NPT	36054	B6056	15/16"	.50"	

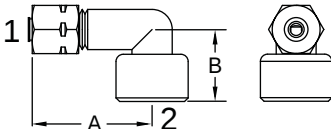
	TUBE / THREADS		BDI PART #			DIMENSIONS		DRAWING
	Tube OD(1)	Male(2)	Steel	Brass	Stainless	Notes	A B	
Straight Tubing Adapter Assembly 	1/8	1/4-28	—	27727	35722		.82"	.375"
		1/8NPT	—	27594-1	35655-1		.97"	.437"
		1/8NPT	—	27726	—		.82"	.437"
	5/32	1/8NPT	—	B3297	—		.875"	.375"
		1/8NPT	32995	—	—		28MM	11MM
	3/16	1/8NPT	—	35435	—	CAPTIVE SLEEVE	1.07"	.437"
		1/8NPT	—	B10285	—		1.08"	.437"
		1/8NPT	U83A1	U83A1B	—		1.06"	.50"
		1/4NPT	U83A2	—	—		.968"	.562"
		1/8BSPT	B10407	—	—		1.0"	.437"
		1/8NPT	B10090-1	B6534	32420-2		1.10"	.437"
	1/4	1/8NPT	—	B10224-3	—		1.0"	.437"
		1/8NPT	U83B1	U83B1B	—		1.125"	.50"
		1/4NPT	B10090-2	B6533	32420-1		1.30"	.562"
		1/4NPT	U83B2	U83B2B	—		1.125"	.625"
		3/8NPT	U83B3	—	—		1.125"	.75"
		1/8BSPT	—	15578	—		1.10"	.437"
		1/8BSPP	B10176-3	—	—		1.50"	.562"
		1/4BSPP	B10176-4C	—	—		1.625"	.75"
		1/4BSPT	20806	—	—		1.75"	.562"
		M10X1	B10176-1	—	—		1.50"	.562"
		M12X1	B10176-2	—	—		1.50"	.625"
		1/8NPT	—	35532	—	CAPTIVE SLEEVE	1.13"	.562"
	5/16	1/8NPT	B10090-3	—	—		1.10"	.562"
		1/4NPT	—	35533	—	CAPTIVE SLEEVE	1.35"	.562"
		1/4NPT	B10090-4	—	—		1.30"	.625"
		1/4BSPP	B10176-5	—	—		1.75"	.75"
		1/8NPT	—	35436	—	CAPTIVE SLEEVE	1.19"	.625"
	3/8	1/8NPT	U83D1	U83D1B	—		1.75"	.75"
		1/4NPT	U83D2	U83D2B	—		1.75"	.75"
		1/4NPT	—	35437	—	CAPTIVE SLEEVE	1.36"	.625"
		1/4NPT	—	B6514	—		1.42"	.562"
		3/8NPT	U83D3	U83D3B	—		1.562"	.75"
		1/4BSPP	B10176-6	—	—		1.75"	.75"
	1/2	1/4NPT	—	U73EM2	—		1.8"	.866"
		1/4NPT	U53EM2	—	—		1.10"	.812"
		3/8NPT	U53EM3	—	—		1.10"	.812"
		3/8NPT	—	U73EM3	—		1.8"	.866"
		1/2NPT	—	U73EM4	—		2.14"	1.01"
		1/2NPT	U53EM4	—	—		1.30"	.875"
	4MM	1/8BSPP	73442-1114	—	—	TAPERED	28MM	10MM
		1/8BSPT	AR974	—	—		25MM	10MM
	6MM	1/4-28	53669-1T	—	—		36.5MM	11MM
		1/8NPT	AR138	—	—		25MM	11MM
		1/8NPT	24361-1	—	—		28MM	11MM
		1/8BSPP	73442-1214	—	—		31MM	14MM
		1/8BSPT	AR154	—	—		27MM	11MM
		1/4BSPP	34989	—	—		40MM	19MM
		1/4BSPP	AR397	—	—		33.5MM	14MM
		M6X1	AR1594	—	—		28.5MM	11MM
		M8X1	53669T	—	—		36.5MM	11MM
		M10X1	73442-1244	—	—		31MM	14MM
		M10X1	AR426	—	—		33MM	14MM
		M12X1	FB1098	—	—		46.5MM	17MM
	8MM	1/8NPT	AR167	—	—		32MM	14MM
		1/4BSPP	AR384	—	—		35MM	17MM
		M10X1	73442-1344	—	—		28MM	12MM
		M10X1	AR1028	—	—		34MM	17MM
		M12X1	AR5004	—	—	For ZEM35	32.5MM	17MM
		M12X1	AR1027C	—	—	Do not use on ZEM inlet.	35MM	17MM
	10MM	M14X1.5	AR1280	—	—		40MM	19MM
		1/8NPT	—	AR265	—		—	19MM
		1/4NPT	36183	—	—		39MM	19MM
		1/8BSPP	AR898	—	—		35.5MM	17MM
		1/4BSPP	AR385	—	—		36MM	19MM
		1/4BSPT	—	35197	—		33MM	14MM
		M14X1.5	AR1417	—	—		36MM	19MM
	12MM	M16X1.5	AR906	—	—		40MM	22MM
		1/4BSPP	AR790	—	—		26.5MM	22MM
		M14X1.5	AR1281	—	—		27MM	22MM

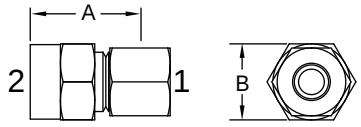


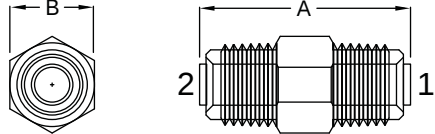
	TUBE/THREADS		BDI PART #			DIMENSIONS		DRAWING
	Tube OD(1)	Male(2)	Steel	Brass	Stainless	Notes	A	B
90 Degree Tubing Adapter Assembly 	1/8	1/4-28	—	27728	—		.50"	.515"
		1/8NPT	—	—	35655-2		.656"	.75"
		1/8NPT	—	27725	—		.50"	.656"
	5/32	1/8NPT	—	B3298	—		.812"	.875"
	3/16	1/8NPT	—	B10286	—		.625"	.687"
		1/8NPT	—	35438	—	CAPTIVE SLEEVE	.61"	.69"
		1/8NPT	U87A1	U87A1B	—		.75"	.875"
		1/4NPT	U87A2	U87A2B	—		.875"	.875"
	1/4	1/8NPT	—	B6536	—		.687"	.812"
		1/8NPT	—	B10390-1	—		.62"	.75"
		1/8NPT	B10092-2	—	—		.89"	.78"
		1/8NPT	U87B1	U87B1B	—		.875"	.875"
		1/4NPT	—	B6535	—		.687"	.812"
		1/4NPT	B10092-1	—	—		1.03"	1.09"
		1/4NPT	U87B2	U87B2B	—		.875"	.875"
		3/8NPT	U87B3	—	—		1.00"	.968"
	5/16	1/8NPT	—	35534	—	CAPTIVE SLEEVE	.61"	.74"
		1/4NPT	—	35535	—	CAPTIVE SLEEVE	.71"	.93"
		1/4NPT	B10092-3	—	—		1.03"	1.09"
	3/8	1/8NPT	—	35439	—	CAPTIVE SLEEVE	.74"	.74"
		1/8NPT	U87D1	U87D1B	—		1.25"	.968"
		1/4NPT	—	B6519	—		.812"	.875"
		1/4NPT	U87D2	U87D2B	—		1.25"	.968"
		1/4NPT	—	35440	—	CAPTIVE SLEEVE	.74"	.93"
		1/4NPT	—	B10287-1	—	45 DEG	.55"	.80"
		3/8NPT	U87D3	U87D3B	—		1.25"	.968"
	1/2	3/8NPT	U57EM3	—	—		.50"	1.25"
	4MM	1/8BSPT	AR975	—	—		9.5MM	12MM
	6MM	1/4-28	53670-1T	—	—		15.5MM	19.6MM
		1/8NPT	AR139	—	—		9.5MM	13MM
		1/8BSPT	AR156	—	—		9.5MM	12MM
		1/4BSPT	AR961	—	—		16MM	18MM
		1/4BSPP	AR959	—	—		26.9MM	32MM
		M8X1	53670T	—	—		15.5MM	19.6MM
		M10X1	AR904	—	—		9.5MM	12MM
	8MM	1/8NPT	AR173	—	—		-	-
		1/8BSPT	AR174	—	—		-	-
		1/4BSPT	AR794	—	—		14MM	18MM
		M10X1	AR617	—	—	SWIVEL TAPERED	11.5MM	15MM
	10MM	1/4BSPT	AR157	—	—		15MM	19MM

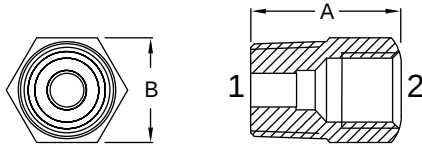


		TUBE		BDI PART #		DIMENSIONS			DRAWING	
	Tube(1)	Tube(2)	Steel	Brass	INFO	A	B	C		
Straight Tubing Coupling Assembly	5/32	5/32	—	B5163	METAL	1.0"	.375"	.375"		
	5/32	5/32	—	20657	NYLON	1.0"	.375"	.375"		
	3/16	3/16		35441	CAPTIVE SLEEVE	.72"	.562"	.437"		
	3/16	3/16	U84A			1.0"	.437"	.50"		
	1/4	1/4	B10094-1			1.17"	.562"	.50"		
	1/4	1/4	B10502-1		BULKHEAD	1.13"	.687"	.687"		
	1/4	1/4	U84B	U84BB		1.06"	.437"	.562"		
	5/16	5/16		35536	CAPTIVE SLEEVE	.85"	.437"	.50"		
	3/8	3/8		35442	CAPTIVE SLEEVE	.97"	.625"	.562"		
	3/8	3/8	U84D	U84DB		1.50"	.687"	.812"		
	1/2	1/2		U74EE		1.09"	.75"	.866"		
	4MM	4MM	AR993			12MM	10MM	9MM		
	6MM	6MM	AR825		BULKHEAD	34MM	14MM	14MM		
	8MM	8MM	AR184			11MM	17MM	14MM		

	TUBE / THREADS		BDI PART #		DIMENSIONS			DRAWING
	Tube OD(1)	Female(2)	Steel	Brass	INFO	A	B	
90 Degree Tubing Adapter Assembly	3/16	1/8NPT	—	35445	CAPTIVE SLEEVE	.98"	.56"	
	3/8	1/2NPT	—	U164K		1.56"	1.18"	

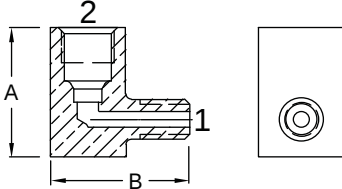
	TUBE / THREADS		BDI PART #		DIMENSIONS		DRAWING
	Tube OD(1)	Female(2)	Steel	Brass	A	B	
Straight Tubing Adapter Assembly 	1/4	1/8NPT	—	B8026	.875"	.50"	

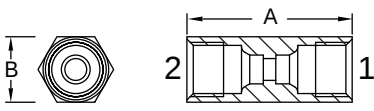
THREADS / TUBE					BDI PART #	DIMENSIONS		DRAWING	
Male for Tube OD (1)		Male for Tube OD (2)		Steel	Brass	A	B		
Tube OD	Thread	Thread	Tube OD						
Straight Tubing Adapter Body  Used with B1095 & B1061/B8272.	5/32	5/16-24	5/16-24	5/32	—	B2306	1.0"	.375"	

THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING	
Male (1)	Female for Tube OD (2)		Steel	Brass	A	B			
	Thread	Tube OD							
Straight Tubing Adapter Body 	1/4-28	5/16-24	3/32	B4316**	—	3/4"	.375"		
	1/4-28	5/16-24	4MM-5/32	B4312**	—	3/4"	.375"		
	1/4-28	5/16-24	4MM-5/32	—	B2626	1"	.375"		
	1/8NPT	5/16-24	3/32	—	B3430	5/8"	.437"		
	1/8NPT	5/16-24	4MM-5/32	—	A2835	5/8"	.437"		
	1/8NPT	5/16-24	4MM-5/32	—	B1525	3/4"	.437"		
	1/8NPT	5/16-24	4MM-5/32	—	B10017	1-1/4"	.50"		
	1/8NPT	5/16-24	4MM-5/32	—	B1531	1-1/2"	.437"		
	1/8NPT	5/16-24	4MM-5/32	—	B7768**	1-1/2"	.437"		
	1/8NPT	M10X1	6MM	—	26686	18.92MM	14MM		
	1/8NPT	M8X1	4MM-5/32	—	19172	0.63"	11MM		
	1/8NPT	5/16-24	4MM-5/32	—	B3488	.687"	.437"		
	1/8BSPP	M8X1	4MM-5/32	—	20326	.798"	.50"		
	1/8BSPT	M8X1	4MM-5/32	—	15352	.63"	11MM		
	1/8BSPT	5/16-24	4MM-5/32	—	B8884	5/8"	.437"		
	1/8BSPT	3/8-24	3/16	B9931	—	3/4"L	.437"		
	1/8BSPT	M8X1	4MM-5/32	—	15318	0.63"	11MM		
	M6X.75	5/16-24	4MM-5/32	—	24226	20MM	11MM		
	M6X1	M8X1	4MM-5/32	—	19453	0.815"	11MM		
	M6X1*	5/16-24	4MM-5/32	—	B10323-1	17MM	.394"		
	M8X1*	5/16-24	4MM-5/32	—	B10323-3	16MM	.433"		
	M10X1	5/16-24	4MM-5/32	—	B10826	7/8"	.562"		
	M10X1	M8X1	4MM-5/32	—	AR1113	16MM	11MM		
	M12X1	M10X1	6MM	34987	—	20MM	17MM		

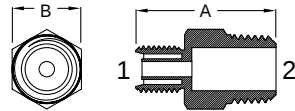
* TAPERED **ZINC

* TAPERED **ZINC

THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING
Male (1)	Female for Tube OD (2)		Steel	Brass	A	B		
	Thread	Tube OD						
90 Degree Elbow Adapter Body  See page 18-19 for compression sleeves and bushings.	1/4-28	5/16-24	5/32-4MM	—	19285	.625"	.88"	
	5/16-24	5/16-24	5/32-4MM	—	20131	20MM	.88"	
	1/8NPT	5/16-24	3/32	—	B3431	.562"	.81"	
	1/8NPT	5/16-24	5/32-4MM	—	A3080	.562"	.81"	
	1/8BSPT	5/16-24	5/32-4MM	—	B8883	.562"	.81"	
	1/8BSPT	M8X1	5/32-4MM	—	15320-1	.48"	1.0"	
	M6X.75	M8X1	5/32-4MM	—	20350	.75"	.81"	
	M6X1	M8X1	5/32-4MM	—	19454	.75"	.81"	
	M6X1	5/16-24	5/32-4MM	—	21238	20MM	22.4MM	
	M6X1	M8X1	5/32-4MM	—	24528	20MM	22.4MM	
	M8X1	M8X1	5/32-4MM	—	26810	19.1MM	20MM	
	M10X1	M8X1	5/32-4MM	—	AR1112			

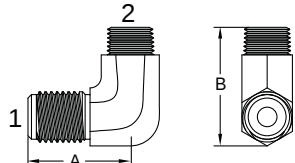
THREADS / TUBE					BDI PART #		DIMENSIONS		DRAWING
Female for Tube OD (1)		Female for Tube OD (2)		Steel	Brass	A	B		
Tube OD	Thread	Thread	Tube OD						
Straight Tubing Coupling Body 	5/32	5/16-24	5/16-24	5/32	—	A2899	.94"	.375"	
	4MM	M8X1	M8X1	4MM	—	19450	.94"	.39"	

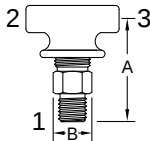
* See page 18-19 for tubing connections.

THREADS / TUBE			BDI PART #		DIMENSIONS		DRAWING	
Male for Tube OD (1)		Male (2)	Steel	Brass	A	B		
Thread	Tube OD							
Straight Tubing Adapter Body 	1/4-28	3/32	1/4-28	—	B4452	.594"	.312"	
	1/4-28	3/32	M6X1*	—	AR107	15mm	8mm	
	5/16-24	5/32	5/16-24	—	B3794	1.2"	.375"	
	1/8NPT	5/32	5/16-24	—	B2253	.90"	.375"	
	1/8NPT	1/4	7/16-24	—	B6086	.86"	.437"	
	1/2-24	5/16	1/8NPT	—	B150	.81"	.50"	
	1/2-24	5/16	1/4NPT	—	B151	1.09"	.562"	
	1/4NPT	1/4	7/16-24	—	B7903	1.3"	.562"	
	1/4BSPT	1/4	7/16-20	19205	—	1.2"	.562"	
	M10X1	1/4	7/16-24	—	B10790	.87"	.562"	
								*Taper

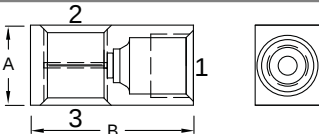
THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING
Male (2)	Male for Tube OD (1)		Steel	Brass	A	B		
	Thread	Tube OD						
90 Degree Tubing Adapter Body	1/8NPT	3/8-24	3/16	B7747	—	.62"	.69"	
	1/8NPT	7/16-24	1/4	—	B7743	.75"	.80"	
	1/4NPT	7/16-24	1/4	—	B9852	.62"	.75"	

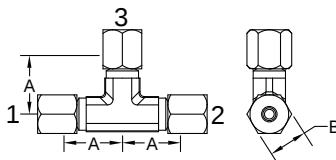


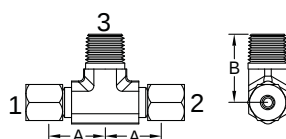


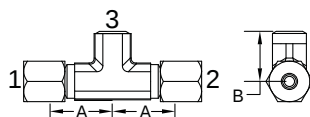
THREADS / TUBE					BDI PART #		DIMENSIONS		DRAWING	
Female for Tube OD (2)		Female for Tube OD (3)		Male (1)	Steel	Brass	A	B		
Thread	Tube OD	Thread	Tube OD							
Tee Tubing Adapter 	5/16-24	5/32	5/16-24	5/32	5/16-24	—	20632	1.156"	.375"	

THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING
Female (2)	Female for Tube OD (1)		Steel	Brass	A	B		
	Thread	Tube OD						
90 Degree Elbow Tubing Adapter	1/8NPT	5/16-24	5/32	—	B3921	.50"	.90"	
								

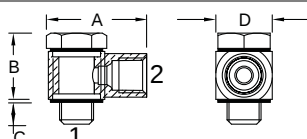
THREADS / TUBE					BDI PART #	DIMENSIONS		DRAWING	
Female (2)	Female (3)	Female for Tube OD (1)		Steel	Brass	A	B		
		Thread	Tube OD						
Female Tee Tubing Adapter	1/8NPT	1/8NPT	5/16-24	5/32	—	A4042	.50"	.90"	
									

	TUBE			BDI PART #		DIMENSIONS			DRAWING
	Tube(1)	Tube(2)	Tube(3)	Steel	Brass	NOTES	A	B	
Tee Tubing Adapter Assembly 	5/32-4MM	5/32-4MM	5/32-4MM	B10093-7	—		.60"	10MM	
	1/4	1/4	1/4	—	B8109		.625"	.50"	
	5/16	5/16	5/16	—	35537	CAPTIVE SLEEVE	.74"	.562"	
	3/8	3/8	3/8	—	35444	CAPTIVE SLEEVE	.74"	.625"	
	3/8	3/8	3/8	B10093-3	—		1.05"	.687"	
	1/2	1/2	1/2	B10093-4	U70EEE		.843"	.625"	
	6MM	6MM	6MM	35004	—		12MM	14MM	
	8MM	8MM	8MM	AR180	—		29MM	17MM	
	10MM	10MM	10MM	AR181	—				

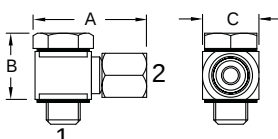
	TUBE / THREADS			BDI PART #		DIMENSIONS		DRAWING
	Tube(1)	Tube(2)	Male(3)	Steel	Brass	A	B	
Male Branch Tee Tubing Assembly 	1/4	1/4	1/4NPT	15209-3	—	1.03"	1.09"	
	3/8	3/8	1/8NPT	—	35443	.75"	.75"	

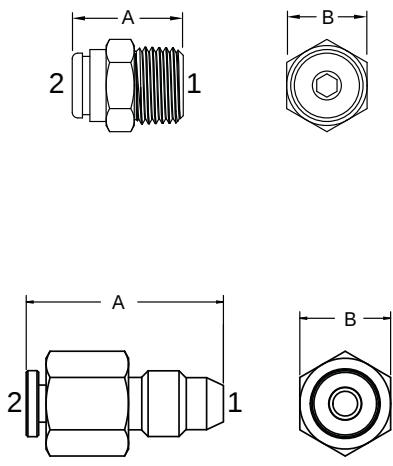
	TUBE / THREADS			BDI PART #		DIMENSIONS		DRAWING
	Tube(1)	Tube(2)	Female(3)	Steel	Brass	A	B	
Female Branch Tee Tubing Assembly 	1/4	1/4	1/8NPTF	B10091-1	—	.89"	.66"	
	1/2	1/2	3/8NPTF	B10091-3	-	1.23"	1.02"	

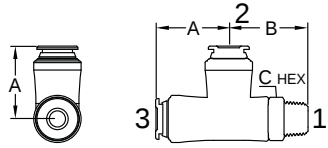
THREADS / TUBE				BDI PART #	DIMENSIONS				DRAWING
Male (1)	Female for Tube OD (2)		Steel	Brass	A	B	C	D	
	Thread	Tube OD							
Banjo Tubing Adapter Body 	5/16-24	5/16-24	4MM 5/32	—	20156	22.6MM	15.2MM	5MM	13MM
	M6X1	5/16-24	4MM 5/32	—	24656	22.5MM	15MM	7.5MM	12MM
	M8X1	M8X1	4MM 5/32	—	19776	22.5MM	13.5MM	6MM	13MM

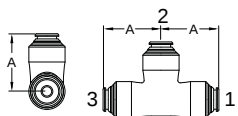


THREADS / TUBE		BDI PART #		DIMENSIONS			DRAWING
Tube OD (2)	Male (1)	Steel	Brass	A	B	C	
Banjo Tubing Adapter Assembly 	4MM	1/8BSPP	73442-7113	—	28MM	21MM	14MM
	6MM	M10X1	34992	—	24MM	18MM	14MM
	6MM	M12X1	34994	—	33MM	23.5MM	17MM
	6MM	1/4BSPP	34997	—	33MM	25MM	17MM
	6MM	M10X1	AR1021	—	36MM	25.5MM	18MM
	6MM	1/4BSPP	AR1032	—	42MM	30MM	22MM
	8MM	M10X1	AR1029	—	32MM	22MM	14MM
	8MM	M12X1	AR1023	—	36.5MM	25MM	17MM
	8MM	M14X1.5	AR1033	—	42MM	30.5MM	22MM
	8MM	1/4BSPP	AR982	—	40MM	30MM	22MM
	10MM	M16X1.5	AR137	—	43MM	32MM	22MM
	10MM	M14X1.5	AR553	—	41MM	30.5MM	22MM
	10MM	1/4BSPP	AR983	—	41MM	30.5MM	22MM

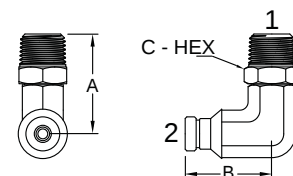


	QC TUBE / THREADS		BDI PART #		DIMENSIONS		DRAWING
	Tube OD (2)	Male (1)	Brass	Ni-Brass	A	B	
Straight Quick Connect Tubing Adapter Assembly 	1/8	1/8NPT	—	20101-9	14.5MM	11MM	 AR5005 290 psi / 20 bar max
	5/32-4MM	5/16-24	AR5005	—	23.9MM	11MM	
		1/8NPT	—	20101-1	16.5MM	11MM	
		10-32	—	27393	17.5MM	.34"RND	
		1/4-28	—	35746-1	.88"	7/16"	
		1/8BSPT	—	35261	16.5MM	10MM	
		1/4BSPT	—	35262	16.5MM	14MM	
		M8X1	—	AR2011	19.4MM	12MM	
		M6X1	—	AR1849	26MM	14MM	
		M10X1	—	AR2003	24MM	14MM	
	3/16	1/8NPT	—	20101-10	23.5MM	.437"	
	1/4	1/8NPT	—	20101-4	19.4MM	11MM	
		1/4NPT	—	20101-5	20.4MM	14MM	
		1/8BSPT	—	20101-7	18.4MM	11MM	
		1/4BSPT	—	20101-8	18.8MM	14MM	
	5/16	1/8NPT	—	20101-2	27.3MM	13MM	
		1/4NPT	—	32180	27.8MM	14MM	
	6MM	1/8NPT	—	20101-6	20.2MM	11MM	
		M10X1	—	AR1995	28MM	14MM	
		M8X1	—	AR2051	19.3MM	11MM	
		M12X1	—	AR2052	23MM	16MM	
		1/8BSPT	—	21459-2	18.5MM	11MM	
		1/4BSPP	—	AR1983	26MM	16MM	
		1/4BSPT	—	AR1979	24MM	14MM	
		M6X1	—	AR2050			
	8MM	M10X1	—	AR2158	27.6MM	14MM	
		M12X1	—	AR2019			
		1/8BSPT	—	32178	26.3MM	13MM	
		1/8BSPP	—	AR1997	27.4MM	14MM	
		1/4BSPP	—	AR2013	27.4MM	16MM	
	10MM	1/4BSPP	—	AR1725	35.4MM	17MM	
	12MM	M12X1	—	AR2058			
		1/4BSPP	—	AR2043	36MM	20MM	

	QC TUBE / THREADS			BDI PART #		DIMENSIONS			DRAWING
	Tube OD (2)	Tube OD (3)	Male (1)	Steel	Ni-Brass	A	B	C	
Tee Male Branch Quick Connect Coupling Assembly 	5/16	5/16	1/4NPT	-	328071	.84"	1.46"	.562"	 290 psi / 20 bar max

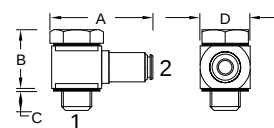
	QC TUBE			BDI PART #		DIMENSIONS		DRAWING
	Tube OD (1)	Tube OD (2)	Tube OD (3)	Steel	Ni-Brass	A		
Tee Quick Connect Coupling Assembly 	4MM	4MM	4MM	—	AR2132	18MM		 290 psi / 20 bar max QC fittings for use with Nylon tubing
	6MM	6MM	6MM	—	AR2134	20MM		
	8MM	8MM	8MM	—	AR2135	22MM		
	10MM	10MM	10MM	—	AR2136	28MM		
	12MM	12MM	12MM	—	AR2137	30MM		

QC TUBE / THREADS		BDI PART #		DIMENSIONS			DRAWING
Tube OD (2)	Male (1)	Steel	Ni-Brass	A	B	C	
90 Degree Quick Connect Tubing Adapter Assembly 	1/8	1/8NPT	—	32394-1	.68"	.78"	-
	5/32-4MM	1/8NPT	—	15920-1	22MM	18MM	.406"
		1/4-28	—	35746-2	.48"	.60"	-
		10-32	—	27305	.93"	.726"	.437"
		M6X1	—	AR2120	17MM	17MM	10MM
		M8X1	—	AR2121	18MM	17MM	11MM
	1/4	1/8NPT	—	32712-1	.884"	.885"	.472"
		1/4NPT	—	32712-2	.904"	.885"	.551"
	5/16	1/8NPT	—	15920-2	24.5MM	23.5MM	.50"
		1/4NPT	—	15920-4	28.5MM	23.5MM	.562"
	6MM	1/8NPT	—	32179-1	18.9MM	16MM	10MM
		M10X1	—	AR2113	30MM	19MM	14MM
		M12X1	—	AR1988	30MM	20MM	16MM
		M6X1	—	AR2111			
		M8X1	—	AR2112			
		1/8BSPT	—	AR1980	14MM	21MM	20MM
	8MM	1/4BSPP	—	AR2089	33MM	20MM	19MM
		1/4BSPT	—	AR1981	14MM	21MM	20MM
		1/2NPT	-	37306	22.5MM		22MM
		M10X1	—	AR2114	32MM	21MM	14MM
		M12X1	—	AR2115	32MM	20MM	16MM
		1/4BSPP	—	AR2091	35MM	22MM	19MM
	10MM	1/8BSPT	—	32179	18.9MM	23MM	10MM
		M12X1	—	AR2117	40MM	27.5MM	17MM
		1/4BSPP	—	AR2093	39MM	28MM	19MM
	12MM	M12X1	—	AR2118			
		1/4BSPP	—	AR2095	41MM	30MM	19MM

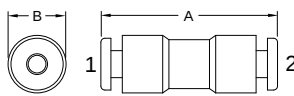


290 psi / 20 bar max

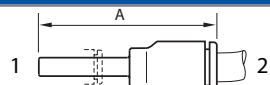
QC TUBE		BDI PART #		DIMENSIONS				DRAWING
Tube OD (2)	Male (1)	Steel	Ni-Brass	A	B	C	D	
90 Degree Quick Connect Tubing Banjo Assembly 	4MM	M10X1	—	34763		20MM	8MM	14MM
	6MM	M10X1	—	AR2141	30MM	20MM	8MM	14MM
	6MM	M12X1	—	AR2142				
	6MM	1/8BSPP	—	AR2143	30MM	20MM	8MM	14MM
	6MM	1/4BSPP	—	AR2144	30MM	20MM	8MM	14MM
	8MM	M10X1	—	AR2145				
	8MM	M12X1	—	AR2146				
	12MM	M12X1	—	AR2152				



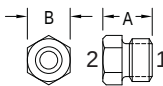
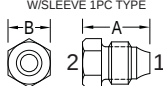
290 psi / 20 bar max

QC TUBE		BDI PART #		DIMENSIONS		DRAWING
Tube OD (1)	Tube OD (2)	Nylon	Ni-Brass	A	B	
Straight Quick Connect Coupling Assembly 	5/32	5/32	35526	—	.98"	
	1/4	1/4	34021-1	—	1.37"	
	4MM	4MM	—	AR2059	33MM	
	6MM	6MM	—	34966	36MM	
	6MM	6MM	—	AR2061	36MM	
	8MM	8MM	—	AR2062	38MM	
	10MM	10MM	—	AR2063		

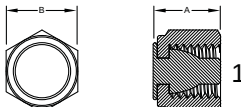
290 psi / 20 bar max

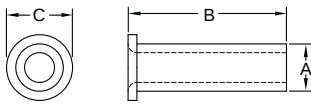
QC TUBE		BDI PART #		DIMENSIONS		DRAWING
Standpipe O.D. (1)	Tube OD (2)	Nylon	Ni-Brass	A	NOTES	
Str. QC Expander 	4MM	6MM	AR2210	—	37MM	
	6MM	1/4"	35749	—	1.75"	

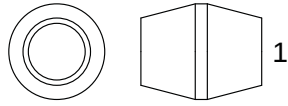
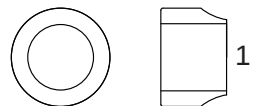
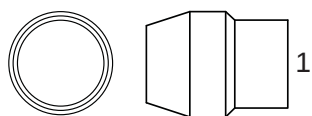
QC fittings for use with Nylon tubing

TUBE / THREADS		BDI PART #		DIMENSIONS			NOTES		DRAWINGS	
	Tube OD (2)	Male (1)	Steel	Brass	Stainless	A	B	TYPE		
Male Compression Bushings 	3/32	5/16-24	—	B3373	—	.468"	.375"	1		TYPE 1 WITH NO SLEEVE  TYPE 2 W/SLEEVE 1PC TYPE  TYPE 3 W/SLEEVE 2PC TYPE 
	3/32	5/16-24	—	BB3373	—	.468"	.375"	1	BAG/25 B3373	
	1/8	5/16-24	—	24570	—	.468"	.375"	1		
	1/8	5/16-24	27339	—	27339SS	.36"	.312"	1		
	1/8	5/16-24	—	27337	27337SS	.497"	.312"	2		
	1/8	5/16-24	27340	—	27340SS	.50"	.312"	3		
	5/32	5/16-24	—	B3783	—	.468"	.312"	1		
	5/32	5/16-24	—	BB3783	—	.468"	.312"	1	BAG/25 B3783	
	5/32	5/16-24	—	B1371	—	.468"	.375"	1		
	5/32	5/16-24	—	BB1371	—	.468"	.375"	1	BAG/25 B1371	
	5/32	5/16-24	—	B3734*	—	.468"	.375"	1	CHROME	
	3/16	3/8-24	—	B1914	—	.531"	.375"	1		
	3/16	1/8NPSF	U81AA1	U81AA1B	—	.843"	.437"	2	FOR NYLON	
	1/4	7/16-24	—	B2519	—	.562"	.437"	1		
	1/4	1/8NPSF	U81B1	U81B1B	—	.75"	.437"	2	FOR NYLON	
	1/4	1/4NPSF	U81B2	U81B2B	—	.937"	.562"	2	FOR NYLON	
	3/8	3/8NPSF	U81D3	U81D3B	—	1.0"	.687"	2	FOR NYLON	
	4MM	M8X1	73511-5133	15326	—	12MM	8MM	1		
	4MM	M8X1	—	15328C	—	11.9MM	10MM	1		
	4MM	M8X1	—	34494	—	11.9MM	10MM	1	BAG/25 15328C	
	6MM	M10X1	34999	—	—	13MM	10MM	1		
	6MM	M10X1	—	22545	—	13MM	11MM	1		
	6MM	1/8BSPT	63422-2261	—	—	21MM	10MM	2		
	6MM	1/8BSPT	—	63422-2241	—	21MM	10MM	2		
	8MM	M12X1	73511-5163	—	—	14MM	12MM	1		
	8MM	M14X1.5	35000	—	—	16MM	14MM	1		
	10MM	3/8BSPT	63422-2211	—	—	33MM	17MM	2		
10MM	M16X1.5	—	25568	—	20MM	17MM	1	USE W/25677		

	TUBE / THREADS		BDI PART #			DIMENSIONS		TYPE	NOTES	DRAWING
	Tube OD (2)	Female (1)	Steel	Brass	Stainless	A	B			
Female Compression Nuts 	3/32	1/4-28	—	B3610	—	.406"	.312"			
	3/32	5/16-24	—	B3312	—	.468"	.375"			
	1/8	5/16-24	—	24448	—	.468"	.375"			
	5/32	5/16-24	—	B1095	—	.468"	.375"			
	5/32	5/16-24	—	B3733	—	.516"	.375"		CHROME	
	3/16	3/8-24	—	B1226	—	.468"	.437"			
	3/16	3/8-24	—	35433	—	.38"	.437"		CAPTIVE SLEEVE	
	3/16	3/8-24	—	BB1226	—	.468"	.437"		BAG/25PCS B1226	
	1/4	7/16-20	—	B10089-1	—	.70"	.56"			
	1/4	7/16-24	—	B6087	—	.437"	.50"			
	5/16	1/2-24	—	B146	—	.437"	.562"			
	5/16	1/2-24	—	35531	—	.45"	.625"		CAPTIVE SLEEVE	
	3/8	9/16-18	—	B10089-3	—	.75"	.69"			
	3/8	9/16-24	—	B6531	—	.468"	.625"			
	3/8	9/16-24	—	35434	—	.42"	.562"		CAPTIVE SLEEVE	
	4MM	M8X1	—	15327	—	.468"	10mm			
	4MM	M8X1	—	34495	—	.468"	10MM		BAG/25PCS 15327	
	4MM	M8X1	-	63422-2341	-	13MM			NUT&SLEEVE FOR ZEE	
	6MM	M12X1.5	AR204	—	—	14.5MM	14MM			
	6MM	M14X1.5	AR1272	—	—	16.5MM	17MM			
	6MM	M10X1	AR194	—	—	11.5MM	12MM			
	8MM	M14X1.5	AR205	—	—	14.5MM	17MM			
	10MM	M16X1.5	AR208	—	—	15.5MM	19MM			

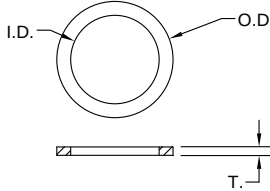
	THREADS	BDI PART #	DIMENSIONS		DRAWING
	Female (1)	Brass	A	B	
Female Cap 	5/16-24	B3478	.57"	.375"	
	5/16-24	A4082	.286"	.375"	

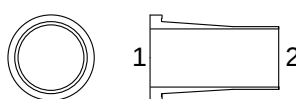
	TUBE	BDI PART #	DIMENSIONS				DRAWING
	Tube OD		INSERT O.D. A	LENGTH B	FLANGE O.D. C	CAN BE USED WITH TUBE P.N.	
Tubing Inserts 	5/32	19268	.098"	.315"	.157"	5N25	
	1/4	B144-2	.142"	.737"	.25"	8N30	
	1/4	B144-3	.157"	.487"	.245"	21672	
	1/4	B144-4	.164"	.647"	.25"	B8598	
	1/4	B144-6	.127"	.479"	.235"	B10437	
	1/4	B144-7	.180"	.647"	.245"	B8599	
	1/4	B144-11	.150"	.562"	.218"	21672	
	5/16	20108-1	.232"	.50"		20100	
	5/16	B144-1	.125"	.544"	.281"	19159	
	3/8	B144-5	.245"	.844"	.36"	B10067	
	3/8	B144-10	.275"	.535"	.365"	19614	
	1/2	B144-9	.372"	.72"	.44"	19342	
	4MM	22585-1	3MM	15.5MM	4MM	73100-2114	
	4MM	AR629	2.7MM	10MM		73100-2114	
	6MM	34836	4MM	14MM	5MM	35006	
	6MM	22585-2	4MM	15.5MM	5MM	B10437C	
	6MM	AR1094	4MM	10MM		27490/35006	
	8MM	34837	5MM	14MM	8MM	29942/35007	
	10MM	34838	7.5MM			34825	
	10MM	22585-3	7.5MM	15MM	10MM	34825	
	10MM	35735	6MM	MM	8MM	10N6-BLACK	
	12MM	34839	9MM	15MM	12MM	34826	

	TUBE	TYPE	BDI PART #			NOTES	DRAWINGS
	Tube OD (1)	#	Steel	Brass	Stainless		
Compression Sleeves 	3/32	1	—	B3313	—		TYPE 1 DOUBLE SIDED 
	3/32	1	—	BB3313	—	B3313 PACK OF 50	
	1/8	2	—	27338	—	NYLON TUBING	
	1/8	2	—	—	27338SS	NYLON TUBING	
TYPE # 1 	1/8	1	—	24456	—	METAL TUBING	TYPE 2 SINGLE SIDED SLEEVE 
	5/32	1	—	B1061	—	METAL TUBING	
	5/32	2	—	BB8272	—	B8272 PACK OF 50	
	3/16	1	—	B1227	—		
TYPE # 2 	1/4	1	—	B2520	—	METAL TUBING	TYPE 3 SINGLE STEEL 
	1/4	2	—	B10202	—	NYLON TUBING	
	1/4	3	B10088-1	—	—		
	5/16	3	B10088-2	—	—		
TYPE # 3 	3/8	1	—	B6532	—		TYPE 4 BARREL TYPE 
	3/8	3	B10088-3	—	—		
	4MM	3	73511-1134	—	—		
	4MM	1	—	35001	—		
TYPE # 4 	4MM	3	AR995	—	—	LL SERIES	
	4MM	4	—	73511-2711	—		
	6MM	4	—	73511-2721	—		
	6MM	3	AR206	—	—	LL SERIES	
TYPE # 3 	6MM	3	73511-1154	—	—	LIGHT SERIES	
	6MM	1	—	35002	—	LIGHT SERIES	
	6MM	2	—	22577	—	NYLON TUBING	
	6MM	1	—	B2520C	—	METAL TUBING	
TYPE # 4 	6MM	1	—	AR938	—	METAL TUBING	
	8MM	3	AR200	—	—	L SERIES	
	8MM	3	73511-1164	—	—	LIGHT SERIES	
	8MM	1	—	35003	—	LIGHT SERIES	
TYPE # 4 	8MM	3	73511-1224	—	—	HEAVY SERIES	
	10MM	3	73511-1234	—	—		
	10MM	1	—	25677	—	USE W/25568	
	10MM	3	AR209	—	—	L SERIES	

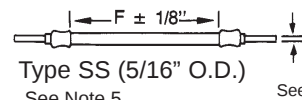
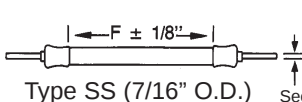
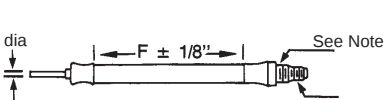
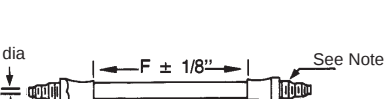
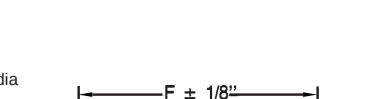
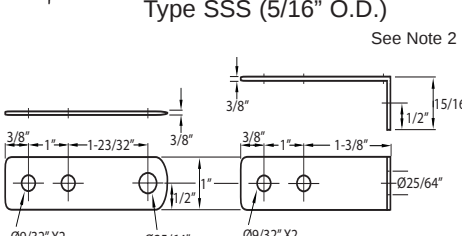
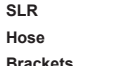
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USED ON		DIMENSIONS			BDI	DRAWING
Thread Size	I.D.	O.D.	T.	Part Number		
Copper Seals 	M5	5.2MM	7.4MM	1MM	20913-5	
	M6	6.2MM	9.9MM	1MM	20913-4	
	M6	6.2MM	10.5MM	1.5MM	25589-26	
	M8	8.2MM	12.9MM	1MM	20913-6	
	M8	8.2MM	11.4MM	1MM	20913-9	
	M10	10.2MM	13.4MM	1MM	20913-1	
	M10	10.2MM	13.9MM	1MM	20913-2	
	M12	12.2MM	15.4MM	1.5MM	20913-3	
	M16	16MM	20MM	1.85MM	25589-23	
	M16	16.3MM	20MM	1.5MM	23483	
	M22	22.4MM	27MM	1.5MM	25589-7	
	M10 - 1/8BSPP	10.2MM	13.4MM	1MM	72712-1094	
	M10 - 1/8BSPP	10.3MM	13.5MM	1MM	AR371	
	M10 - 1/8BSPP	10.2MM	13.4MM	1.5MM	25589-2	
	M13	13.4MM	18.8MM	1.5MM	25589-5	
	M14 - 1/4BSPP	14.2MM	17.9MM	1.5MM	35010	
	M15	15.2MM	18.9MM	1.5MM	20913-7	
	3/8BSPP	17MM	21MM	1.5MM	72712-1324	
	1/2BSPP	21MM	26MM	1.5MM	72712-1364	
1BSPP				72712-1624		



		TUBE		BDI PART #		INFORMATION		DRAWING	
		Tube OD (1)	Steel	Brass	TYPE	DRILLED HOLE SIZE (2)			
Drive Bushings 	5/32	-	B3596	REAMED TAPER	1/4"				
	5/32	B4067	-	STRAIGHT DRILL	1/4"				
	3/32	-	B5271	REAMED TAPER	9/64"				
	3/32	B4440	-	STRAIGHT DRILL	11/64"				

Flexible SLR Hose Assemblies ~ 200 PSI MAX Pressure

LENGTH		BDI PART #						DRAWINGS
F	SS	SS	SC	CC	SSS	SSA		
	5/16"O.D.	7/16"O.D.	7/16"O.D.	7/16"O.D.	5/16"O.D.	3/8"O.D.		
	4"	B4514	—	—	—	—	—	 Type SS (5/16" O.D.) See Note 5  Type SS (7/16" O.D.) See Note 5  Type SC (7/16" O.D.) See Note 3 See Note 4  Type CC (7/16" O.D.) See Note 3 See Note 4  Type SSA (3/8" O.D.) See Note 2  Type SSS (5/16" O.D.) See Note 2  A3204 A3224
	5"	B4515	B2962	B4857	B4873	20106-4	19006-5	
	6"	B4516	B3134	B4858	B4874	20106-6	—	
	7"	B4517	B2963	B4859	B4875	20106-7	19006-7	
	8"	B4518	B3433	B4860	B4876	20106-8	—	
	9"	B4519	B2542	B4861	—	20106-9	—	
	10"	B4520	B3145	B4862	B4878	20106-10	B06-10	
	11"	B01-11	—	—	—	—	—	
	12"	B4588	B3135	B4863	B4879	20106-12	19006-12	
	14"	B4589	B3530	B4864	B4880	20106-14	B06-14	
	15"	B5768	B3136	—	—	—	—	
	16"	B6415	B3531	B4865	B4881	20106-16	B06-16	
	17"	B01-17	—	—	—	—	—	
	18"	B6416	B3137	B4866	B4882	20106-18	B06-18	
	19"	—	B02-19	—	—	—	—	
	20"	B6651	B3532	B4867	B4883	20106-20	B06-20	
	21"	B01-21	B3507	—	—	20106-21	—	
	22"	B01-22	B3528	B4868	B4884	20106-22	B06-22	
	23"	—	—	—	—	—	—	
	24"	B8077	B3508	B4869	B4885	20106-24	B06-24	
	25"	B01-25	B02-25	—	—	—	—	
	27"	B01-27	B3533	B4870	B4886	20106-27	B06-27	
	28"	B01-28	B02-28	—	—	20106-28	—	
	30"	B01-30	B3534	B4871	B4887	—	B06-30	
	32"	—	B02-32	—	—	—	19006-32	
	33"	B01-33	B3735	B4872	B4888	20106-33	—	
	34"	—	B02-34	—	—	—	—	
	35"	—	19002-35	—	—	20106-35	—	
	36"	B01-36	B4780	—	B04-36	20106-36	B06-36	
	38"	B01-38	B02-38	—	—	—	B06-38	
	40"	B01-40	B4235	B03-40	—	20106-40	19006-40	
	42"	—	B02-42	—	—	—	—	
	44"	—	B4796	—	—	20106-44	—	
	45"	B01-45	B02-45	—	—	—	—	
	46"	B01-46	B8786	—	—	—	—	
	48"	B01-48	B4980	B5819	B6317	20106-48	B06-48	
50"	—	B02-50	—	—	—	—		
52"	—	B4418	—	—	—	—		
53"	B01-53	—	—	—	—	—		
54"	—	B02-54	—	—	—	—		
56"	B01-56	B4011	—	B04-56	20106-56	—		
60"	B01-60	B4740	B03-60	—	20106-60	—		
62"	—	19002-62	—	—	—	—		
66"	—	B4795	—	—	—	—		
70"	—	B02-70	—	—	—	—		
72"	B01-72	B4994	—	B6318	20106-72	B06-72		
84"	B01-84	B6320	—	—	20106-84	—		
96"	B01-96	B02-96	—	B04-96	—	19006-96		
100"	—	—	—	—	20106-100	—		
120"	B01-120	B9436	—	—	20106-120	—		
130"	—	B02-130	—	—	—	—		
144"	—	19002-144	—	—	20106-144	—		
180'	B01-180	—	—	—	—	—		
264"	—	—	—	—	20106-264	—		
	A3204	STRAIGHT HOSE BRACKET (FOR TYPE C ENDS)						
	A3224	90 DEGREE HOSE BRACKET (FOR TYPE C ENDS)						
	A3165	TERMINAL NUT 3/8-24 FOR HOSE BRACKETS (9/16HEX, 5/32 THICK)						

Note 1: Above hoses are also available in special lengths

Note 2: Use compression fittings listed on page 18

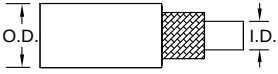
Note 3: 3/8-24 NF thread for bracket mounting

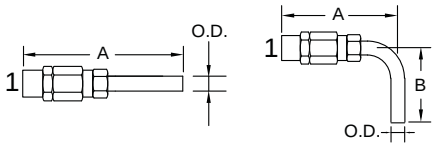
Note 4: 5/16-24 NF thread for 5/32 O.D. tubing connection.
Use compression nut B1095 and compression sleeve B1061 listed on pages 18-19

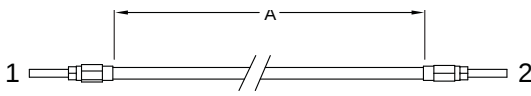
Note 5: Type 'SS' is not a stainless steel hose.

Hose Notes: Min bending radius "R" for 5/16" O.D. hoses is 1-1/2" inches; for 7/16" O.D. hoses, 2" inches.

PDI Bulk Hose & Assemblies

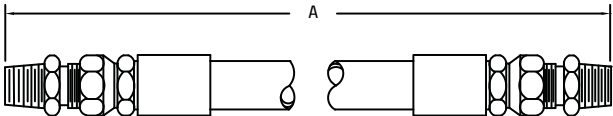
	HOSE		WORKING PRESSURE		BDI PART #	DRAWING
	I.D.	O.D.	PSI	Bar		
PDI Bulk Hose 	4.1 MM	8.75 MM	3000	200	34962	
	6.4 MM	14.4 MM	2100	140	34964	

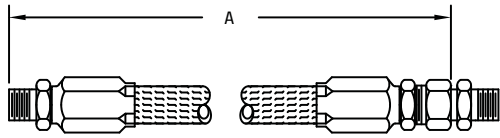
	STAND PIPE SIZE	TYPE	BDI PART #	USE WITH HOSE PART #	DIMENSIONS		DRAWINGS
	O.D.		O.D.	(1)	A	B	
PDI Bulk Hose Reusable Fittings with Stand Pipe 	3/16	STR	29116	34962	58MM	N/A	
	1/4	90 DEG	29220	34962	50MM	32MM	
	1/4	STR	29117	34962	58MM	N/A	
	4MM	STR	29587	34962	64MM	N/A	
	4MM	90 DEG	29585	34962	50MM	32MM	
	6MM	STR	AR1532	34962	64MM	N/A	
	6MM	90 DEG	AR1736	34962	50MM	32MM	
	8MM	STR	34965	34964	71MM	N/A	

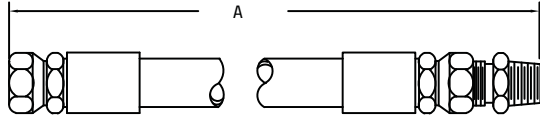
	STAND PIPE SIZE (BOTH ENDS)	HOSE LENGTH	BDI PART #	DRAWING
	O.D. (1 & 2)	INCHES*(A)		
PDI Hose Assemblies 	6MM	8	34971-8	
	6MM	10	34971-10	
	6MM	12	34971-12	
	6MM	14	34971-14	
	6MM	16	34971-16	
	6MM	18	34971-18	
	6MM	20	34971-20	
	6MM	22	34971-22	
	6MM	24	34971-24	
	6MM	26	34971-26	
	6MM	28	34971-28	
	8MM	8	34972-8	
	8MM	10	34972-10	
	8MM	12	34972-12	
	8MM	14	34972-14	
	8MM	16	34972-16	
	8MM	18	34972-18	
	8MM	20	34972-20	
	8MM	22	34972-22	
	8MM	24	34972-24	
	8MM	26	34972-26	
	8MM	28	34972-28	

*Hose length does not include fittings. Assemblies use 34962/34964 hose.

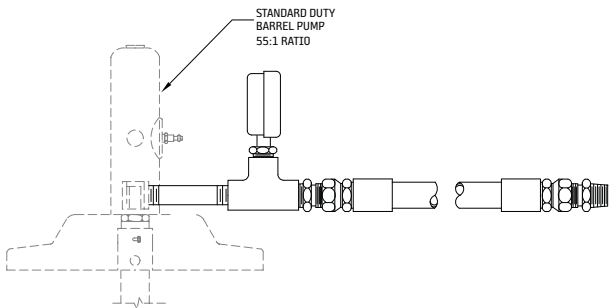
Dualine, Injector & Progressive Hose Assemblies

	BDI PART#	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
Low Pressure Hose Assemblies 	UX702C02012	1/4"	12"	1/4NPT	1/4NPT	500	34	 LOW PRESSURE
	UX702C02024	1/4"	24"	1/4NPT	1/4NPT	500	34	
	UX702C02036	1/4"	36"	1/4NPT	1/4NPT	500	34	
	UX702C02048	1/4"	48"	1/4NPT	1/4NPT	500	34	
	UX702C01060	1/4"	60"	1/8NPT	1/8NPT	500	34	

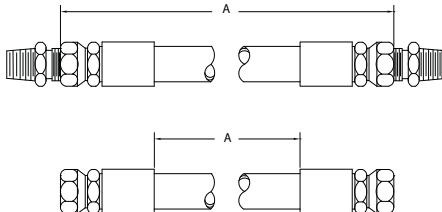
	BDI PART#	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
Medium Pressure Hose Assemblies 	201221	1/4"	24"	1/4NPT	1/4NPT	2750	189	 MEDIUM PRESSURE
	201222	1/4"	30"	1/4NPT	1/4NPT	2750	189	
	201223	1/4"	36"	1/4NPT	1/4NPT	2750	189	
	201224	1/4"	42"	1/4NPT	1/4NPT	2750	189	
	201225	1/4"	48"	1/4NPT	1/4NPT	2750	189	
	201226	1/4"	60"	1/4NPT	1/4NPT	2750	189	
	201227	1/4"	72"	1/4NPT	1/4NPT	2750	189	

	BDI PART#	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
High Pressure Hose Assemblies 	UX718602012	3/8"	24"	3/8-18	3/8NPT	4000	275	 HIGH PRESSURE
	UX718602024	3/8"	24"	3/8-18	3/8NPT	4000	275	
	UX718602036	3/8"	36"	3/8-18	3/8NPT	4000	275	
	UX718602048	3/8"	48"	3/8-18	3/8NPT	4000	275	
	UX718602060	3/8"	60"	3/8-18	3/8NPT	4000	275	
	UX718602072	3/8"	72"	3/8-18	3/8NPT	4000	275	

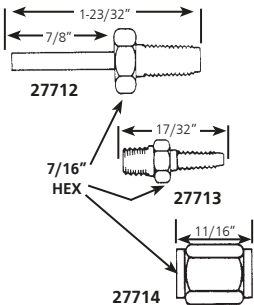
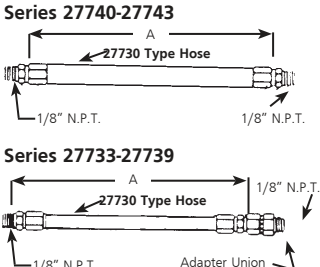
Barrel Pump Hose Assemblies

	BDI PART #	HOSE		WORKING PRESSURE			DRAWING
		I.D.	PSI	Bar	ENDS	LONG	
Hose Assemblies for drum pumps with Pressure Gauge 	200275	1/2"	5000	344	3/8NPT	72"	 STANDARD DUTY BARREL PUMP 55:1 RATIO
	HOS14010B	1/2"	5000	344	3/8NPT	144"	
Includes Pressure gauge, tee, nipple, bushing & adapters.							

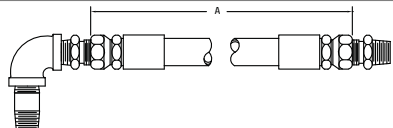
Specialty Hose Assemblies

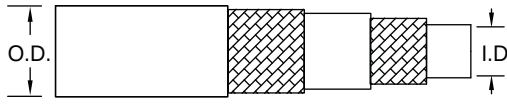
	BDI PART #	HOSE		WORKING PRESSURE		ENDS	TYPE	DRAWING
		I.D.	"A"	PSI	Bar			
Hose Assemblies for drum pumps 	200324	3/4"	72"	1250	86	3/8NPT X 1/2NPT	RELIEF HOSE KIT	
	200306	1/2"	72"	5000	344	3/8NPT X 3/8NPT	LUBE SUPPLY HOSE USED IN 200275	
	200325	1/2"	72"	250	17	1/2NPT X 1/4NPT	AIR SUPPLY HOSE	
	200307	3/4"	72"	1250	86	1/2NPT X 1/2NPT	RELIEF HOSE USED IN 200324	
	HOS13907B	1/2"	144"	5000	344	3/4-16 SAE FEMALE(2)	LUBE SUPPLY HOSE USED IN HOS14010B	
	200513	1/2"	72"	250	17	3/4-16 SAE FEMALE(2)	AIR SUPPLY HOSE USED IN 200325	
	200549	1/2"	72"	5000	344	3/4-16 SAE FEMALE(2)	LUBE SUPPLY HOSE USED IN 200306	

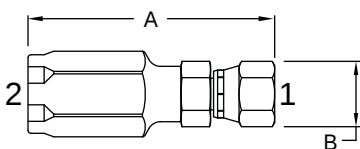
Feed Line Hose Assemblies & Fittings

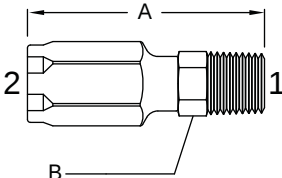
	BDI PART #	CONST.	DESCRIPTION	WORKING PRESSURE		SIZE	DRAWING
				PSI	Bar		
Hose Assemblies 	27712	STEEL	HOSE STUD	500	34	1/8"O.D. STANDPIPE X 1/4-28 MALE	
	27713		1/8"NPT MALE X 1/4-28 MALE				
	27714		1/4-28 FEMALE				
	27715	STAINLESS STEEL	HOSE STUD			1/8"NPT MALE X 1/4-28 MALE	
	27716		COUPLING NUT			1/4-28 FEMALE	
	27729	HOSE	3/16" I.D. HOSE			25'FT LONG COIL	
	27730					BULK LENGTH	
	27740	HOSE ASSY	1/8"NPT MALE END CONNECTIONS			12"IN	
	27741					18"IN	
	27742					24"IN	
	27743					30"IN	
	27733		1/8"NPT MALE AT ONE END AND SWIVEL ADAPTER UNION 1/8"NPT MALE AT OTHER END			6"IN	
	27734					8"IN	
	27735					12"IN	
	27736					18"IN	
	27737					24"IN	
	27738					30"IN	
	27739					36"IN	

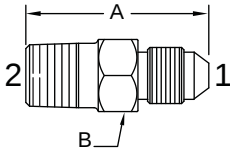
Air Supply Hose Assemblies

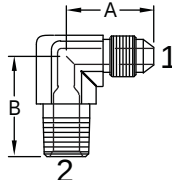
	BDI PART #	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
Air Supply Hose Assemblies 	201502	1/4"	36"	1/2NPT	1/2NPT	250	17	

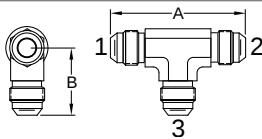
	HOSE		WORKING PRESSURE		BDI PART #	INFORMATION	DRAWING
	I.D.	O.D.	PSI	Bar			
Hose 	9/64	7/16	225	15	B4184	NEOPRENE	
	5/32	5/16	225	15	B7515	NEOPRENE	
	3/16	29/64	425	29	U702B		
	3/16	3/8	500	34	27729	25FT LENGTH	
	3/16	3/8	500	34	27730	BULK	
	3/16	.36	400	27	6NE3	BUNA N	
	1/4	0.59	5800	400	B10212-1	SAE100R2	
	1/4	0.53	2750	189	B10212-3	SAE100R1	
	1/4	5/8	500	34	U702C		
	1/4	.59	5800	400	U7184	SAE100R2	
	1/4	9/16	2750	189	201200	MED PRES	
	1/4	0.51	3000	206	35546	SAE100R7	
	3/8	0.75	5000	344	B10212-2	SAE100R2	
	3/8	0.69	2250	155	B10212-4	SAE100R1	
	3/8	.75	4750	327	U7186	SAE100R2	
	1/2	.87	4000	275	U7188	SAE100R2	
	3/4	1.17	2250	155	U71812	SAE100R2	
	1	1.50	2000	137	U71816	SAE100R2	

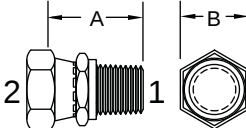
	HOSE	THREAD	BDI PART #		INFORMATION	DIMENSIONS		DRAWING
	I.D. (2)	Female(1)	Steel	Stainless	USE WITH HOSE #	A	B	
Reusable Hose Fittings: Straight Female Thread SAE(JIC) X Hose 	1/4	7/16-20	201188	201188SST	35546	2.44"	.562"	
	1/4	7/16-20	U43844	35637-1	U7184	2.45"	.562"	
	3/8	9/16-18	U43866	35637-2	U7186	2.74"	.75"	
	3/8	3/4-16	U43886	—	U7186	2.86"	.875"	
	1/2	3/4-16	U43888	35637-3	U7188	3.19"	.875"	
	3/4	1-1/16-12	U4381212	—	U71812	3.53"	1.25"	
	1	1-5/16-12	U4381616	—	U71816	3.93"	1.50"	

HOSE THREAD BDI PART # INFORMATION DIMENSIONS							DRAWING
	I.D. (2)	Male(1)	Steel	USE WITH HOSE #	A	B	
Reusable Hose Fittings: Straight Male Thread NPT X Hose	3/16	1/8NPT	U404AB1	U702B	1.73"	.436"	
	3/16	1/8NPT	U407AB1	U702B	2.45"	.562"	
	3/16	1/8NPT	B10273-1	B10271-2	1.984"	.562"	
	1/4	1/4NPT	B10205-1	B10212-1	2.38"	.562"	
	1/4	1/8NPT	B10205-3	B10212-1	2.20"	.562"	
	1/4	1/8NPT	201185	201200			
	1/4	1/4NPT	201186	201200	2.42"	.562"	
	1/4	3/8NPT	201187	201200			
	1/4	1/8NPT	U43724	U7184	2.20"	.562"	
	1/4	1/4NPT	U43744	U7184	2.38"	.562"	
	1/4	3/8NPT	U43766	U7186	2.58"	.75"	
	1/4	1/2NPT	U43788	U7188	3.11"	.875"	
	1/4	1/8NPT	U404B1	U702C	1.76"	.50"	
	1/4	1/4NPT	U404B2	U702C	1.97"	.562"	
	1/4	3/8NPT	U404B3	U702C			
	1/4	1/8NPT	U407B1	U702C	2.50"	.686"	
	1/4	1/4NPT	U407B2	U702C	2.73"	.686"	
	1/4	3/8NPT	U407B3	U702C	2.73"	.686"	
	3/8	3/8NPT	B10205-2	B10212-2	2.58"	.75"	

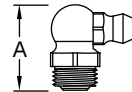
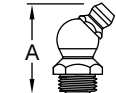
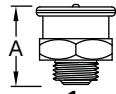
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male (1)	Male (2)	Steel	Stainless	A	B	
Straight Adapter Male Thread SAE(JIC) X Male NPT 	1/2-20	3/8NPT	U43165	—	1.37"	.937"	
	1/2-20	1/4NPT	U43145	—	1.42"	.562"	
	1/2-20	1/8NPT	U43125	—	1.21"	.562"	
	7/16-20	3/8NPT	35575	35638-3	1.44"	.75"	
	7/16-20	1/4NPT	U43144	35638-1	1.42"	.562"	
	7/16-20	1/8NPT	U43124	35638-5	1.21"	.50"	
	9/16-18	1/2NPT	U43186	—	1.68"	.875"	
	9/16-18	3/8NPT	U43166	35638-4	1.43"	.75"	
	9/16-18	1/4NPT	U43146	35638-2	1.43"	.625"	
	9/16-18	1/8NPT	35575-1	35638-8	1.24"	.625"	
	3/4-16	3/4NPT	U431128	—	1.85"	1.125"	
	3/4-16	1/2NPT	U43188	—	1.78"	.875"	
	3/4-16	3/8NPT	U43168	35638-7	1.53"	.812"	
	3/4-16	1/4NPT	U43148	35638-6	1.53"	.812"	
	7/8-14	3/4NPT	U4311210	—	1.95"	1.125"	
	7/8-14	1/2NPT	U431810	—	1.88"	.937"	
	1-1/16-12	3/4NPT	U4311212	—	2.05"	1.125"	
	1-1/16-12	1/2NPT	U431812	—	2.05"	1.125"	
	1-5/16-12	1NPT	U4311616	—	2.29"	1.375"	
	1-5/16-12	3/4NPT	U4311216	—	2.10"	1.375"	
	1-5/8-12	1-1/4NPT	U4312020	—	2.45"	1.687"	
	1-7/8-12	1-1/2NPT	U4312424	—	2.67"	2.0"	

	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male (1)	Male (2)	Steel	Stainless	A	B	
90 Degree Adapter Male Thread SAE(JIC) X Male NPT 	7/16-20	1/4NPT	35528-1	35636-1	1.05"	1.09"	
	7/16-20	3/8NPT	35528-3	35636-3	1.13"	1.22"	
	7/16-20	1/8NPT	35528-5	35636-5	.89"	.78"	
	9/16-18	1/4NPT	35528-2	35636-2	1.06"	1.09"	
	9/16-18	3/8NPT	35528-4	35636-4	1.14"	1.22"	
	9/16-18	1/8NPT	35528-8	35636-8	1.06"	.90"	
	3/4-16	1/4NPT	35528-6	35636-6	1.25"	1.22"	
	3/4-16	3/8NPT	35528-7	35636-7	1.25"	1.22"	

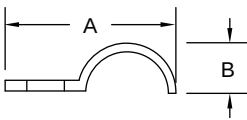
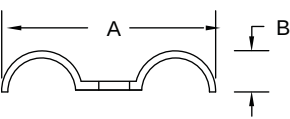
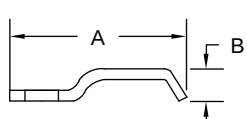
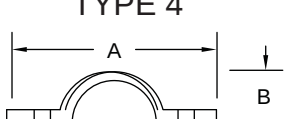
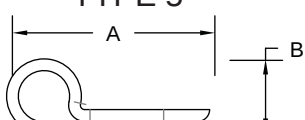
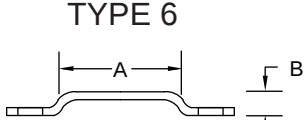
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Male (1)	Male (2)	Male (3)	Steel	Stainless	A	B	
Tee Male Thread SAE(JIC)37 	7/16-20	7/16-20	7/16-20	35582-1	-	.84"	1.46"	
	9/16-18	9/16-18	9/16-18	35582-2	-	28MM	40MM	
	3/4-16	3/4-16	3/4-16	35582-3	-			

	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male (1)	Female (2)	Steel	Stainless	A	B	
Straight Male Thread X Female Thread Swivel 	1/8NPT	1/8NPSM	B10275-1*	-	1.09"	.562"	
	1/8NPT	1/8NPT	32382-1*		.85"	.562"	
	1/4NPT	1/4NPT	37271**	-	1.77"	.562"	
	1/4NPT	1/4NPSM	B10275-3*	-	1.43"	.687"	

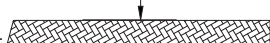
* SWIVEL STOPS WHEN TIGHT **45 DEG

		THREAD	TYPE	BDI PART #	DIMENSIONS	DRAWINGS	
		Male (1)			A		
		1/4-28	STR SHORT	F651	.53"		
		1/4-28	STR MED	F652	.69"		1
		1/4-28	STR LNG	F653	1.12"		
		1/4-28	90 DEG	F656	.75"		
		1/4-28	45 DEG	F657	.81"		1
		1/8NPT	STR	15332-1*	.687"		
		1/8NPT	30 DEG	F671	.843"		
		1/8NPT	65 DEG STR	F672	.843"		1
		1/8NPT	90 DEG	F673	.843"		
		1/8NPT	STR SHORT	F674	.687"		
		1/8NPT	65 DEG LNG	F675	.531"		1
		1/8NPT	45 DEG	F678	.890"		
		1/8NPT	STR LNG	F679	1.75"		
		1/8NPT	STD BUTTONHEAD	F1290	.75"		1
		1/4NPT	STR	F687	.875"		
		1/4NPT	65 DEG	F689	.968"		
		1/4NPT	STD BUTTONHEAD	F1291	.828"		1
		1/4NPT	GIANT BUTTONHEAD	F1292	1.25"		
		3/8NPT	GIANT BUTTONHEAD	F1293	1.312"		
		1/8BSPT	STR	19448	15MM		1
		1/4BSPT	STR	19449	19MM		
		1/4BSPT	90 DEG	20870-1	22MM		
		1/4BSPT	45 DEG	20669-2	23MM		1
		1/4 DRIVE	STR	F662	.546"		
		3/16 DRIVE	STR	F666	.515"		
		5/16 DRIVE	STR	F668	.546"		1
		M6X1	STR	F691	.593"		
		M6X1	45 DEG	F694	.812"		
		M6X1	90 DEG	F697	.75"		1
		M8X1	STR	F692	.625"		
		M8X1	45 DEG	F695	.812"		
		M8X1	90 DEG	F698	.75"		1
		M8X1.25	STR	AX12017	17MM		
		M10X1	45 DEG	20669-1	25MM		
		M10X1.5	STR	21964-1	18MM		1

* Leakproof

	TUBE		BDI		# OF		INFO	DIMENSIONS			DRAWINGS
	O.D.	PART #	# OF TUBES	MNTG HOLES	TYPE	A		B	MNTG HOLE		
Tubing Clips 	3/32	B3570	1	1	1	7/16"	.50"	.14"	.196"	TYPE 1 	
	3/32	34486	1	1	1	BAG 25 B3570	.50"	.14"	.196"		
	1/8	27820-1	1	1	1	NOT SUPPLIED W/SCREWS	.562"	.125"	.156"		
	1/8	27820-2	2	2	6	NOT SUPPLIED W/SCREWS	.312"	.187"	.156"		
	1/8	27820-3	3	2	6	NOT SUPPLIED W/SCREWS	.437"	.187"	.156"		
	1/8	27820-4	4	2	6	NOT SUPPLIED W/SCREWS	.562"	.187"	.156"		
	1/8	27820-5	5	2	6	NOT SUPPLIED W/SCREWS	.687"	.187"	.156"	TYPE 2 	
	1/8	27821-1	1	1	1	STAINLESS, NOT SUPPLIED W/SCREWS	.562"	.125"	.156"		
	1/8	27821-2	2	2	6	STAINLESS, NOT SUPPLIED W/SCREWS	.312"	.187"	.156"		
	1/8	27821-3	3	2	6	STAINLESS, NOT SUPPLIED W/SCREWS	.437"	.187"	.156"		
	1/8	27821-5	5	2	6	STAINLESS, NOT SUPPLIED W/SCREWS	.687"	.187"	.156"		
	5/32	A2435	1	1	1	1/2"	.70"	.20"	.196"		
	5/32	A2764	1	1	1	11/32"	.84"	.25"	.265"	TYPE 3 	
	5/32	B3539	2	1	2	5/16"	.84"	.25"	.196"		
	5/32	B3567	2	1	2	13/16	1.0"	.25"	.265"		
	5/32	B7535	3-5	1	3	1"	1.1"	.25"	.196"		
	5/32	34487	1	1	1	BAG 25 A2435	.70"	.20"	.196"		
	5/32	34488	1	1	1	BAG 25 A2764	.84"	.25"	.265"		
	5/32	34489	2	1	2	BAG 25 B3539	.84"	.25"	.196"	TYPE 4 	
	5/32	34490	2	1	2	BAG 25 B3567	1.0"	.25"	.265"		
	5/32	34491	3-5	1	3	BAG 25 B7535	1.1"	.25"	.196"		
	3/16	U301A1	1	1	1	W/ 1/4-20X3/8"LG SCREW	1.06"	.25"	.281"		
	3/16	U301A2	2	1	3	W/ 1/4-20X3/8"LG SCREW	1.25"	.25"	.281"		
	3/16	U301A3	3	1	3	W/ 1/4-20X3/8"LG SCREW	1.437"	.25"	.281"		
	1/4	35476	1	1	1	1/2"	1.0"	.312"	.218"	TYPE 5 	
	1/4	B10349-5	1	2	-	WELD BASE	1.531"	1.312"			
	1/4	34492	1	1	1	BAG 25 35476	1.0"	.312"	.218"		
	1/4	U301B1	1	1	1	W/ 1/4-20X3/8"LG SCREW	1.125"	.312"	.281"		
	1/4	U301B2	2	1	3	W/ 1/4-20X3/8"LG SCREW	1.375"	.312"	.281"		
	1/4	U301B3	3	1	3	W/ 1/4-20X3/8"LG SCREW	1.625"	.312"	.281"		
	1/4	U1301B4	4	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.125"	.312"	.281"	TYPE 6 	
	1/4	U1301B6	6	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.625"	.312"	.281"		
	1/4	35448-1	1	1	5	RUBBER DIP	1.15"	.39"	.281"		
	3/8	B6508	1	1	1	1/2"	1.0"	.437"	.218"		
	3/8	34493	1	1	1	BAG 25 B6508	1.0"	.437"	.218"		
	3/8	U301D1	1	1	1	W/ 1/4-20X3/8"LG SCREW	1.25"	.437"	.281"		
	3/8	U301D2	2	1	3	W/ 1/4-20X3/8"LG SCREW	1.625"	.437"	.281"	TYPE 7 	
	3/8	U1301D3	3	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.25"	.437"	.281"		
	3/8	U1301D4	4	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.625"	.437"	.281"		
	3/8	U1301D6	6	2	6	W/2PCS 1/4-20X3/8"LG SCREW	2.375"	.437"	.281"		
	3/8	35448-2	1	1	5	RUBBER DIP	1.55"	.525"	.406"		
	1/2	U301E1	1	1	1	W/ 1/4-20X3/8"LG SCREW	1.25"	.562"	.281"		
	1/2	U1301E2	2	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.125"	.562"	.281"	TYPE 8 	
	1/2	35448-3	1	1	5	RUBBER DIP	1.70"	.714"	.406"		
	.53	B10276-4	1	1	5	HOSE .735-.860	50MM	25MM	.406"		
	19/32	B10276-2	1	1	5	HOSE .515-.590	45MM	22MM	.406"		
5/8	U301F1	1	1	1	W/ 1/4-20X3/8"LG SCREW	1.437"	.687"	.281"			
5/8	35448-4	1	1	5	RUBBER DIP	1.83"	.84"	.406"			
3/4	35448-5	1	1	5	RUBBER DIP	2.00"	1.00"	.406"	TYPE 9 		
4MM	73573-4114	1	1	1		20MM	5.5MM	5.5MM			
5.5-7MM	34499	1	1	1	BAG 25 73572-3234	38MM	14MM	6.6MM			
5.5-7MM	73572-3234	1	1	1		38MM	14MM	6.6MM			
7-9MM	35011	1	1	1		40MM	16MM	6.6MM			
7.9MM	35377	1	1	1	BAG 25PCS 35011	40MM	16MM	6.6MM			
7-9MM	73573-3134	1	2	4		48MM	15MM	6.6MM	TYPE 10		
7-9MM	34758	1	2	4	BAG 10PCS 73573-3134	50MM	15MM	6.6MM			
N/A	U240G2	N/A	N/A	-	1/4-20X3/8"LG SCREW	-	-	-			

	TUBE O.D.	TUBE WALL	BDI PART #	WORKING PRESSURE		MATERIAL	COLOR	NOTES	
				PSI	BAR				
	3/32	.020	3N20	404	27.75	Nylon	Natural	250FT STD REEL	
	1/8	.031	26221	500	34.5	Nylon	Natural	250FT STD REEL	
		.026	26079	625	43	Nylon	Natural	500FT STD REEL	
		.026	27722	625	43	Nylon	Black	25'coil	
		.026	27389	625	43	Nylon	Black	100'coil	
		.031	20295	85	5.75	Polyurethane	Clear		
	5/32	.025	19230	250	17.25	Nylon	Black	250FT STD REEL	
		.025	19230-RD	250	17.25	Nylon	Red	250FT STD REEL	
		.025	19230-BU	250	17.25	Nylon	Blue	250FT STD REEL	
		.025	19230-BR	250	17.25	Nylon	Brown	250FT STD REEL	
		.025	19230-YW	250	17.25	Nylon	Yellow	250FT STD REEL	
		.025	19230-GN	250	17.25	Nylon	Green	250FT STD REEL	
		.025	5N25	250	17.25	Nylon	Natural	250FT STD REEL	
		.035	21267	500	34.5	Nylon	Black	UV	
		.055	5N55	500	34.5	Nylon	Natural		
		.055	5N55-330	500	34.5	Nylon	Natural	330FT STD REEL	
		.055	5N55B	500	34.5	Nylon	Black		
		.055	5N55B-330	500	34.5	Nylon	Black	330FT STD REEL	
		.024	6N24	250	17.25	Nylon	Natural	250FT STD REEL	
		3/16	.046	B10271-1	500	34.5	Nylon	Natural	
	.038		U428A	625	43	Nylon	Natural		
	.044		35449	500	34.5	Nylon	Black		
	0.044		35450	500	34.5	Nylon	Black/Red	2-tube bundle	
	.044		35451	500	34.5	Nylon	Black/Red/Blue	3-tube bundle	
	0.044		35524	500	34.5	Nylon	Black	#0 grease filled 10'LG	
	0.044		35648	500	34.5	Nylon	Black	#0 grease filled 15'LG	
	0.044		35601	500	34.5	Nylon	Black	#0 grease filled 20'LG	
	.044		35453	500	34.5	Nylon	Black/Red	2-tube bndl #0 grease filled 10'LG	
	0.044		35649	500	34.5	Nylon	Black/Red	2-tube bndl #0 grease filled 15'LG	
	0.044		35602	500	34.5	Nylon	Black/Red	2-tube bndl #0 grease filled 20'LG	
	.044		35454	500	34.5	Nylon	Black/Red/Blue	3-tube bndl #0 grease filled 10'LG	
	.044		35650	500	34.5	Nylon	Black/Red/Blue	3-tube bndl #0 grease filled 15'LG	
	0.044		35603	500	34.5	Nylon	Black/Red/Blue	3-tube bndl #0 grease filled 20'LG	
	1/4		.062	B10437	500	34.5	Nylon	Black	
			.040	B8598	100	7	Polyethylene	Clear	200FT STD REEL
			.050	21672	625	43	Nylon	Black	100'coil
			.035	B8599	375	25.75	Nylon	Natural	200FT STD REEL
		.035	8N30B	625	43	Nylon	Black	250FT STD COIL	
		.062	34211	500	34.5	Nylon	Natural		
		.035	8N30	425	29.25	Nylon	Natural	250FT STD COIL	
		.050	U428B	625	43	Nylon	Natural		
		0.062	35127	500	34.5	Nylon	Black	(B10437) 25FT PRE FILLED W/#0 GREASE	
		0.062	37533	500	34.5	Nylon	Black	(B10437) 25FT PRE FILLED W/#2 GREASE	
	5/16	.040	20100	312	21.5	Nylon	Natural	250FT STD REEL	
		.040	19159	250	17.25	Nylon	Black		
		.059	35520	375	25.75	Nylon	Black		
	3/8	.062	B10067	87	6	Polyethylene	Clear	500FT STD REEL	
		.075	U428D	625	43	Nylon	Natural		
		.075	35543	625	43	Nylon	Black		
	1/2	.062	19342	250	17.25	Nylon	Black	250FT STD REEL	
	2.4MM	0.6MM	73100-2043	126	8.75	Nylon			
	4MM	.75MM	73100-2128	250	17.25	Nylon	Natural	REPLACED 73100-2114	
		.75MM	4N25W			Polyurethane	Clear		
	6MM	1MM	27490	275	19	Nylon	White		
		1MM	35006	125	8.5	Nylon	Natural		
1MM		B10437C	500	34.5	Nylon	Natural			
1.5MM		6N3B	471	32.5	Nylon	Natural			
1.5MM		6N3G-25	471	32.5	Nylon	Natural	6N3B GREASE FILLED 25METERS		
1MM		35461	101	7	Polyurethane	Clear	100METER ROLL		
8MM	1MM	8N6	125	8.5	Nylon	Natural			
	1.5MM	35007	125	8.5	Nylon	Natural			
	1.5MM	29942	565	39	Nylon	Black	25 METER COIL		
10MM	1.25MM	34825	100	7	Nylon	Natural	25METER ROLL		
	2MM	10N6-BLACK	600	41.25	Nylon	Black	25 METER COIL		
12MM	1.5MM	34826	90	6.25	Nylon	Natural	25METER ROLL		

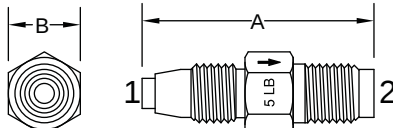
PROTECTION ITEMS	TUBE O.D.	BDI PART #	NOTES	DRAWINGS
Spring Cover for Nylon Tubing 	4MM - 5/32	20111	PER FOOT	FITS TUBE O.D.  
	5/16	20107		
Wire Braid Cover for Nylon Tubing 	4MM - 5/32	15344	PER FOOT	FITS TUBE O.D.  (ø .20)

	TUBE O.D.	TUBE WALL	BDI PART #	MATERIAL	STANDARD	NOTES
					LENGTH	
METAL TUBING 	3/32	.022	3C22	COPPER	12'	
		0.02	3S20	STEEL	12'	
	1/8	.030	4C30	COPPER	12'	
		.020	27388	STEEL	25'	25'COIL
	5/32	.025	5B25	BRASS	12'	
		.025	5B25-CP	BRASS	12'	CHROME PLATED
		.032	5HB32	BRASS	12'	HARD BRASS
		.025	5C25	COPPER	12'	
		.025	5C25-CP	COPPER	12'	CHROME PLATE
		.025	32196	COPPER	50'	50'COIL
		.055	5C55	COPPER	12'	
		.055	5C55-CP	COPPER	12'	CHROME PLATE
		.020	5SS20	STAINLESS STEEL	10'	
		.020	5S20	STEEL		
	3/16	.032	6HB32	BRASS	12'	HARD BRASS
		.030	6C30	COPPER	50'	
		.030	U424C3	COPPER	8-12'	
	1/4	.035	U424B4	BRASS	10-12'	
		.028	U424D4	COPPER CLAD	8-12'	
		.030	U424C4	COPPER	8-12'	
		.030	8C30	COPPER	12'	
		.035	7914035304WSS	STAINLESS STEEL	20'	
		0.028	8SS28	STAINLESS STEEL	10'	
		.028	8S28	STEEL	12'	
		.028	27721	STEEL	25'	25'COIL
		.035	U424E4	STEEL		
		.032	10C32	COPPER	12'	
	5/16	.035	U424E5	STEEL	20'	
		.049	U424B6	BRASS	10-12'	
	3/8	0.028	U424D6	COPPER CLAD	8-12'	
		0.032	U424C6	COPPER	8-12'	
		.049	U424CCC6	COPPER	8-12'	
		.065	21633	STAINLESS STEEL	10'	
		.049	7938049304WSS	STAINLESS STEEL	20'	
		.049	U424E6	STEEL	20'	
	1/2	.032	26958	COPPER	50'	50'COIL
		0.049	U424C8	COPPER	8-12'	
	3/4	.065	U424E8	STEEL		
		.083	U424E12	STEEL		
	4MM	.065	U424E12	STEEL		
		.083	24S83	STEEL	12'	
	6MM	0.5MM	73100-3124	COPPER	12'	
		.07MM	73100-1214	STEEL		
		1MM	27435	BRASS	12'	1/4 HARD TEMPER
		1MM	21431-6	COPPER	12'	
		1MM	25712	COPPER	12'	
	8MM	1MM	21182	STEEL		
		1MM	73100-1234	STEEL		
	10MM	1MM	10C8	COPPER	12'	
		.75MM	10A8	STEEL		
		1MM	34481	STEEL	10	ZINC CHROME
		1.5MM	21431-10	COPPER	12'	

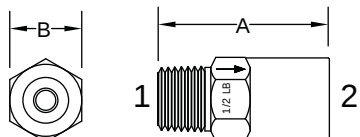
Note: Most metal tubing is normally coiled for shipping. Straight lengths available in some sizes. Specify on order or contact customer service.

	TUBE		BDI		INCLUDES						
	O.D.	PART #	10'-FT	12'-FT	25 PCS	25 PCS	25 PCS	25 PCS	10 PCS	8 PCS	8 PCS
Tubing Service Kit	5/32	K1079	5N25	5C25	B1371	B1095	B1061	B8272	A2435	B3784	A2899

	O.D.	BDI PART #	COLOR	MATERIAL	NOTES
Split Loom 	1/4	35419-1	Black	Polyethylene	100ft coils
	1/2	35419-2	Black	Polyethylene	100ft coils
	3/4	35419-3	Black	Polyethylene	100ft coils
	1	35419-4	Black	Polyethylene	100ft coils
Spiral Wrap 	1/2	35645	Black	Polyethylene	3/8" to 4" Bundling Range
	1	35646	Black	Polyethylene	1" to 7" bundling Range

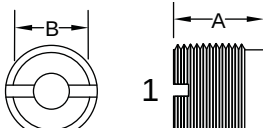
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Male (2)		A	B	
Check Valve Junction Mounted 	5 LBS	5/16-24	5/16-24	B3003	1.20"	.375"	
	10 LBS	5/16-24	5/16-24	B3363	1.20"	.375"	
	20 LBS	5/16-24	5/16-24	B3251	1.20"	.375"	
	50 LBS	5/16-24	5/16-24	B5146	1.20"	.375"	

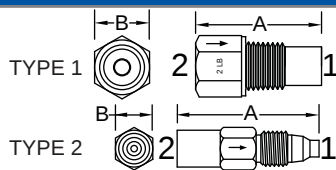
Note: Outlet 5/16-24 thread for 5/32 diameter tubing connection. Use Compression Nut B1095 and Compression Sleeve B1061 listed on pages 16/17.

(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Female (2)		A	B	
Check Valve Adapter Type 	2 LBS	1/8NPT	5/16-24	B3815	1.0"	.437"	
	5 LBS	1/8NPT	5/16-24	B3905	1.0"	.437"	
	10 LBS	1/8NPT	5/16-24	B3906	1.0"	.437"	
	20 LBS	1/8NPT	5/16-24	B4450	1.0"	.437"	
	50 LBS	1/8NPT	5/16-24	B4960	1.0"	.437"	
	2 LBS	1/8NPT	1/8NPTF	B5627	1.0"	.50"	
	70-80 LBS	1/8NPT	1/8NPTF	U1975A1*	1.47"	.50"	
	70-80 LBS	1/8NPT	1/8NPTF	U1975B1*	1.38"	.50"	
	250 LBS	1/8NPT	1/8NPTF	37159**	1.27"	14.2mm	

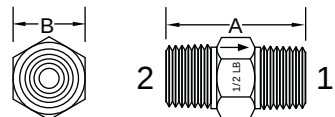
* 2500PSI PROOF PRESSURE.

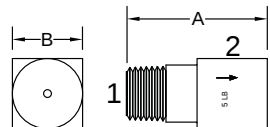
** STEEL, 5000PSI MAX

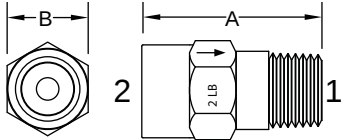
(FLOW→)	OPENING	THREAD	BDI PART #	NOTES	DIMENSIONS		DRAWING
	PRESSURE	Male (1)			A	B	
Check Valve Flush Mounted 	1/2 LB	7/16-20 NF	A3889	USE GASKET A3772	.468"	.362"	
	1/2 LB	1/2-20	B3674	USE GASKET A4191	.468"	.43"	

(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS			DRAWINGS
	PRESSURE	Female (2)	Male (1)		A	B	TYPE	
Check Valve Insert 	2 LBS	5/16-24	1/8NPT	B4301	.875"	.437"	1	
	5 LBS	5/16-24	1/8NPT	B3454	.875"	.437"	1	
	10 LBS	5/16-24	1/8NPT	B3874	.875"	.437"	1	
	20 LBS	5/16-24	1/8NPT	B4023	.875"	.437"	1	
	1 LB	5/16-24	5/16-24	B6999*	1.2"	.375"	2	

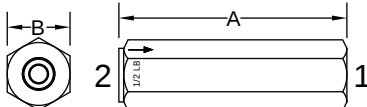
* JUNCTION MOUNT

(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Male (2)		A	B	
Check Valve Connector 	1/2 LB	1/8NPT	1/8NPT	B5290	.875"	.437"	
	2 LBS	1/8NPT	1/8NPT	B4052	.875"	.437"	
	5 LBS	1/8NPT	1/8NPT	B4942	.875"	.437"	
	10 LBS	1/8NPT	1/8NPT	B4943	.875"	.437"	
	20 LBS	1/8NPT	1/8NPT	B4944	.875"	.437"	

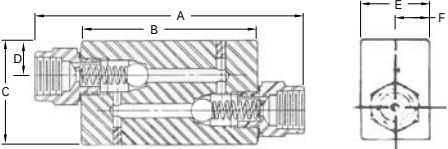
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Female (2)		A	B	
Check Valve 90 Degree Connector 	2 LBS	1/8NPT	1/8NPT	B3833	1.0"	.50"	
	5 LBS	1/8NPT	1/8NPT	B3907	1.0"	.50"	
	10 LBS	1/8NPT	1/8NPT	B3908	1.0"	.50"	
	2 LBS	1/8NPT	1/8NPT	B6802	1.0"	.50"	

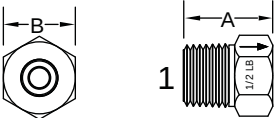
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Female (2)		A	B	
	2 LBS	1/8NPT	1/8NPT	B5892	.937"	.50"	
	2 LBS	1/8NPT	5/16-24	B7702	1.0"	.437"	
	10 LBS	1/8NPT	5/16-24	B6091	1.0"	.437"	

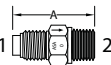
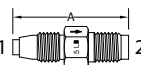
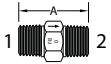
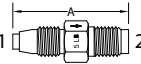
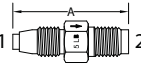
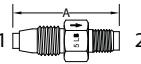
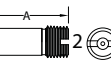
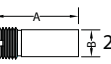
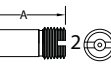
Note: Valves are ball type with flow capacity of 100cc/minute maximum. Tolerance of valve opening pressure is $\pm 10\%$. Valves with hexagon or square bodies are stamped with the nominal opening pressure and arrow indicating direction of flow.

(FLOW→)	OPENING	THREADS		BDI PART#	DIMENSIONS		DRAWING
	PRESSURE	Female(1)	Female(2)		A	B	
	1.5 - 2 LBS	1/4NPT	1/4NPT	U1972B	2.375"	.75"	
	1.5 - 2 LBS	1/4NPT	1/4NPT	U1972B1*	2.375"	.75"	
	5 LBS	3/8NPT	3/8NPT	35677-1	3.0"	1.0"	
	65 LBS	3/8NPT	3/8NPT	35677-2	3.0"	1.0"	

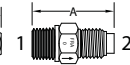
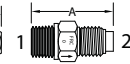
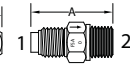
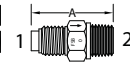
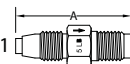
* HAS GREASE FITTING FOR MANUAL LUBRICATION

	BDI PART #	THREADS		DIMENSIONS						DRAWING
		Female (1)	Female (2)	A	B	C	D	E	F	
2-Way Line Check Oil Dualine Systems -Proof Pressure 6000 PSI -Cracking Pressure 110-120 PSI Avg.	U1929D	1/2NPTF	1/2NPTF	5.62"	3.5"	2.25"	0.68"	1.5"	0.75"	

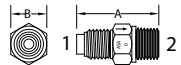
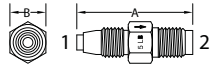
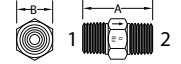
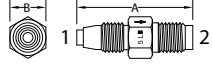
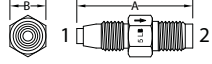
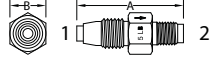
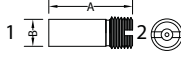
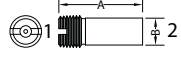
(FLOW→)	OPENING	THREAD	BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)		A	B	
	1-5 PSI	1/8NPT	U962B	.484"	.437"	
	50 PSI	1/8NPT	B4974	.625"	.437"	
	75 PSI	1/8NPT	B9943	.688"	.437"	
	100 PSI	1/8NPT	B6898-1	.688"	.437"	
	130 PSI	1/8NPT	B6898	.688"	.437"	
	175 PSI	1/8NPT	B6965	.688"	.437"	
	200 PSI	1/8NPT	B5643	.688"	.437"	
	270 PSI	1/8NPT	B3993	.688"	.437"	
	300 PSI	1/8NPT	19142	.688"	.437"	
	400 PSI	1/8NPT	23232	.688"	.437"	
	450 PSI	1/8NPT	19139	.688"	.437"	
	600 PSI	1/8NPT	29605	23MM	11MM	
	725 PSI	1/8NPT	29541	23MM	11MM	
	1000 PSI	1/8NPT	29183	23MM	11MM	

METER UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS		DRAWINGS
TYPE	RATE	#	Inlet(1)	Outlet(2)	A	B		
ASA 	3/0	17841-3/0	M8X1* (5/32 or 4mm tube)	1/8BSPT	24MM	10MM	 1  2	
	00	17841-00						
	0	17841-0						
	1	17841-1						
	2	17841-2						
	3	17841-3						
	4	17841-4						
	5	17841-5						
AJB 	3/0	15323-3/0	M8X1	M8X1* (5/32 or 4mm tube)	30.5MM	10MM	 1  2	
	00	15323-00						
	0	15323-0						
	1	15323-1						
	2	15323-2						
	3	15323-3						
	4	15323-4						
	5	15323-5						
FB 	3/0	B8724	1/8NPT	1/8BSPT	53/64	3/8	 1  2	
	00	B8725						
	0	B8452						
	1	B8726						
	2	B8727						
	3	B8728						
	4	B8729						
	5	B8730						
FJB 	3/0	B6548	5/16-24	5/16-24* (5/32 or 4mm tube)	1-7/32	3/8	 1  2	
	00	B2494						
	0	B2495						
	1	B2496						
	2	B2497						
	3	B2498						
	4	B2499						
	5	B2500						
FJC 	3/0	B7267	5/16-24	5/16-24* (3/32 tube)	1-7/32	3/8	 1  2	
	00	B3314						
	0	B3315						
	1	B3316						
	2	B3317						
	3	B3318						
	4	B3319						
	5	B3320						
FJD 	3/0	B6085	5/16-24	1/4-28* (3/32 tube)	1-1/8	5/16	 1  2	
	00	B3773						
	0	B3774						
	1	B3775						
	2	B3776						
	3	B3777						
	4	B3778						
	5	B3779						
FKA 	3/0	B7271	—	1/8NPT	29/32	9/32	 1  2	
	00	B3913						
	0	B3914						
	1	B3915						
	2	B3916						
	3	B3917						
	4	B3918						
	5	B3919						
FKB 	3/0	B7273	1/8NPT	—	29/32	9/32	 1  2	
	00	B3980						
	0	B3981						
	1	B3982						
	2	B3983						
	3	B3984						
	4	B3985						
	5	B3986						
FKD 	3/0	B8878	—	1/8BSPT	29/32	9/32	 1  2	
	00	B8870						
	0	B8871						
	1	B8872						
	2	B8873						
	3	B8874						
	4	B8875						
	5	B8876						

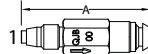
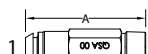
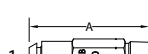
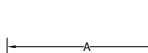
* See page 18-19 for tubing connections.

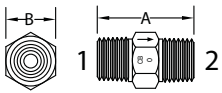
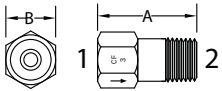
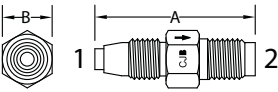
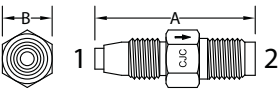
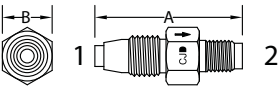
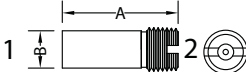
METER UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS		DRAWINGS
TYPE	RATE	#	Inlet(1)	Outlet(2)	A	B		
FKE 	3/0	B8868	1/8BSPT	—	29/32	9/32	 	
	00	B8860						
	0	B8861						
	1	B8862						
	2	B8863						
	3	B8864						
	4	B8865						
	5	B8866						
FRA 	3/0	B7265	1/8NPT	5/16-24* (5/32 or 4mm tube)	1	3/8	 	
	00	B2559						
	0	B3215						
	1	B3216						
	2	B3217						
	3	B3218						
	4	B3219						
	5	B3220						
FRC 	3/0	B7269	1/8NPT	5/16-24* (3/32 tube)	1	3/8	 	
	00	B3579						
	0	B3580						
	1	B3581						
	2	B3582						
	3	B3583						
	4	B3584						
	5	B3585						
FSA 	3/0	B6526	5/16-24* (5/32 or 4mm tube)	1/8NPT	61/64	3/8	 	
	00	B1620						
	0	B1083						
	1	B1084						
	2	B1085						
	3	B1086						
	4	B1087						
	5	B1088						
FSB 	3/0	B8717	5/16-24* (5/32 or 4mm tube)	1/8BSPT	61/64	3/8	 	
	00	B8718						
	0	B8455						
	1	B8719						
	2	B8720						
	3	B8721						
	4	B8722						
	5	B8723						
MJ 	00	B8042	5/16-24	5/16-24* (1/8" tube)	1-7/32	3/8	 	
	1	B8043						
	2	B8044						
	5	B9514						

* See page 18-19 for tubing connections.

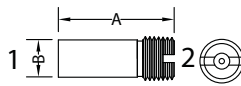
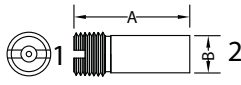
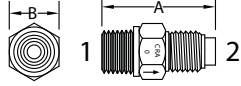
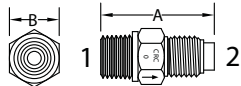
METER UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	C	DRAWINGS
FT 		3/0	B6529	1/8NPT	1/8NPT	53/64	3/8	-	
		00	B1398						
		0	B1112						
		1	B1113						
		2	B1114						
		3	B1115						
		4	B1116						
		5	B1117						
FTA 		3/0	B6549	5/16-24(2)* (5/32 or 4mm tube)	1/8NPT	1-3/8	3/8	1-1/8	
		00	B1524						
		0	B1071						
		1	B1072						
		2	B1073						
		3	B1074						
		4	B1075						
		5	B1076						
FTB 		3/0	B6550	5/16-24(3)* (5/32 or 4mm tube)	1/8NPT	1-3/4	3/8	1-1/8	
		00	B1528						
		0	B1077						
		1	B1078						
		2	B1079						
		3	B1080						
		4	B1081						
		5	B1082						
FTC 		3/0	B6551	5/16-24(2)* (5/32 or 4mm tube)	1/8NPT	1-3/4	3/8	15/16	
		00	B1530						
		0	B1098						
		1	B1099						
		2	B1100						
		3	B1101						
		4	B1102						
		5	B1103						
FTD 		3/0	B6552	5/16-24(2)* (5/32 or 4mm tube)	1/8NPT	1-3/8	3/8	15/16	
		00	B1532						
		0	B1106						
		1	B1107						
		2	B1108						
		3	B1109						
		4	B1110						
		5	B1111						
FTG 		3/0	B6553	5/16-24(3)* (5/32 or 4mm tube)	1/8NPT	1-3/8	3/8	1-1/8	
		00	B2759						
		0	B2760						
		1	B2761						
		2	B2762						
		3	B2763						
		4	B2764						
		5	B2765						
FTH 		3/0	B6554	5/16-24(4)* (5/32 or 4mm tube)	1/8NPT	1-3/8	3/8	1-1/8	
		00	B2769						
		0	B2770						
		1	B2771						
		2	B2772						
		3	B2773						
		4	B2774						
		5	B2775						
FTK 		3/0	B6555	5/16-24(3)* (5/32 or 4mm tube)	1/8NPT	1-3/4	3/8	15/16	
		00	B4128						
		0	B4129						
		1	B4130						
		2	B4131						
		3	B4132						
		4	B4133						
		5	B4134						
FTL 		3/0	B6556	5/16-24(4)* (5/32 or 4mm tube)	1/8NPT	1-3/4	3/8	1-1/8	
		00	B4368						
		0	B4369						
		1	B4370						
		2	B4371						
		3	B4372						
		4	B4373						
		5	B4374						

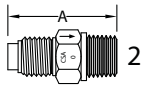
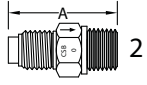
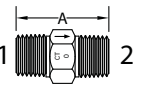
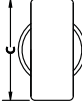
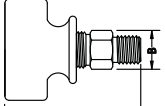
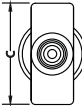
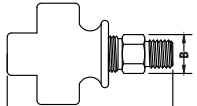
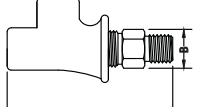
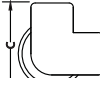
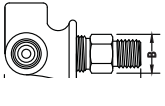
* See page 18-19 for tubing connections.

METER UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS		DRAWINGS
TYPE	RATE	#	Inlet(1)	Outlet(2)	A	B		
QJB 	3/0	QJB-3/0	5/16-24	QC (5/32 or 4mm tube)	41.8MM	10MM	 	
	00	QJB-00						
	0	QJB-0						
	1	QJB-1						
	2	QJB-2						
	3	QJB-3						
	4	QJB-4						
	5	QJB-5						
QSA 	3/0	QSA-3/0	QC (5/32 or 4mm tube)	1/8NPT	39MM	10MM	 	
	00	QSA-00						
	0	QSA-0						
	1	QSA-1						
	2	QSA-2						
	3	QSA-3						
	4	QSA-4						
	5	QSA-5						
QSB 	3/0	QSB-3/0	QC (5/32 or 4mm tube)	1/8BSPT	39MM	10MM	 	
	00	QSB-00						
	0	QSB-0						
	1	QSB-1						
	2	QSB-2						
	3	QSB-3						
	4	QSB-4						
	5	QSB-5						
QMB 	3/0	QMB-3/0	M8X1	QC (5/32 or 4mm tube)	41.8MM	10MM	 	
	00	QMB-00						
	0	QMB-0						
	1	QMB-1						
	2	QMB-2						
	3	QMB-3						
	4	QMB-4						
	5	QMB-5						
QQB 	3/0	QQB-3/0	QC (5/32 or 4mm tube)	QC (5/32 or 4mm tube)	52MM	10MM	 	
	00	QQB-00						
	0	QQB-0						
	1	QQB-1						
	2	QQB-2						
	3	QQB-3						
	4	QQB-4						
	5	QQB-5						

CONTROL UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			DRAWINGS
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	C	
CB 		5/0	B8708	1/8NPT	1/8BSPT	53/64	3/8	-	
		4/0	B8709						
		3/0	B8710						
		00	B8711						
		0	B8712						
		1	B8713						
		2	B8374						
		3	B8714						
		4	B8715						
		5	B8716						
CF 		5/0	—	1/8NPT	1/8NPT	1-1/32	1/2		
		4/0	—						
		3/0	—						
		00	—						
		0	—						
		1	—						
		2	—						
		3	B6528						
		4	B6557						
		5	B6584						
CJB 		5/0	B7034	5/16-24	5/16-24* (5/32 or 4mm tube)	1-7/32	3/8		
		4/0	B7035						
		3/0	B7036						
		00	B7037						
		0	B7038						
		1	B7039						
		2	B6817						
		3	B6818						
		4	B6819						
		5	B6820						
CJC 		5/0	B7148	5/16-24	5/16-24* (3/32 tube)	1-7/32	3/8		
		4/0	B7149						
		3/0	B7150						
		00	B7151						
		0	B7152						
		1	B7153						
		2	B6930						
		3	B6931						
		4	B6932						
		5	B6933						
CJD 		5/0	B7164	5/16-24	1/4-28* (3/32 tube)	1-1/8	5/16		
		4/0	B7165						
		3/0	B7166						
		00	B7167						
		0	B7168						
		1	B7169						
		2	B7170						
		3	B7171						
		4	B7172						
		5	B7173						
CKA 		5/0	B7122	-	1/8NPT	29/32	9/32		
		4/0	B7123						
		3/0	B7124						
		00	B7125						
		0	B7126						
		1	B7127						
		2	B7128						
		3	B7129						
		4	B7130						
		5	B7131						
CKB 		5/0	B7133	1/8NPT	-	29/32	9/32		
		4/0	B7134						
		3/0	B7135						
		00	B7136						
		0	B7137						
		1	B7138						
		2	B7139						
		3	B6720						
		4	B7140						
		5	B7141						

* See page 18-19 for tubing connections.

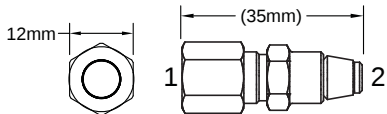
CONTROL UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			DRAWINGS
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	C	
CKD 		5/0	26413-5/0	-	1/8BSPT	29/32	9/32	-	
		4/0	26413-4/0						
		3/0	26413-3/0						
		00	26413-00						
		0	26413-0						
		1	26413-1						
		2	26413-2						
		3	26413-3						
		4	26413-4						
CKE 		5/0	B9422	1/8BSPT	-	29/32	9/32		
		4/0	B9423						
		3/0	B9424						
		00	B9425						
		0	B9426						
		1	B9427						
		2	B9428						
		3	B9429						
		4	B9430						
CRA 		5/0	B7142	1/8NPT	5/16-24* (5/32 or 4mm tube)	1	3/8		
		4/0	B7143						
		3/0	B7144						
		00	B7145						
		0	B7146						
		1	B7147						
		2	B7059						
		3	B7060						
		4	B7061						
CRC 		5/0	B7154	1/8NPT	5/16-24* (3/32 tube)	1	3/8		
		4/0	B7155						
		3/0	B7156						
		00	B7157						
		0	B7158						
		1	B7159						
		2	B7160						
		3	B7161						
		4	B7162						
		5	B7163						

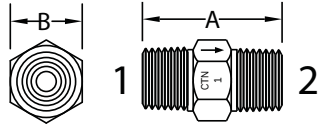
CONTROL UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			DRAWINGS
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	C	
CB 		5/0	B7022	5/16-24* (5/32-4mm tube)	1/8NPT	61/64	3/8	-	 
		4/0	B7023						
		3/0	B7024						
		00	B7025						
		0	B7026						
		1	B7027						
		2	B6757						
		3	B6758						
		4	B6759						
		5	B6760						
CF 		5/0	B8700	5/16-24* (5/32-4mm tube)	1/8BSPT	61/64	3/8	-	 
		4/0	B8701						
		3/0	B8702						
		00	B8703						
		0	B8179						
		1	B8704						
		2	B8705						
		3	B8706						
		4	B8707						
		5	B8177						
CJB 		5/0	B7028	1/8NPT	1/8NPT	53/64	3/8	-	 
		4/0	B7029						
		3/0	B7030						
		00	B7031						
		0	B7032						
		1	B7033						
		2	B6764						
		3	B6765						
		4	B6766						
		5	B6767						
CJC 		5/0	B7174	5/16-24(2)* (5/32-4mm tube)	1/8NPT	1-3/8	3/8	1-1/8	 
		4/0	B7175						
		3/0	B7176						
		00	B7177						
		0	B7178						
		1	B7179						
		2	B6775						
		3	B6776						
		4	B6777						
		5	B6778						
CJD 		5/0	B7192	5/16-24(3)* (5/32-4mm tube)	1/8NPT	1-3/4	3/8	1-1/8	 
		4/0	B7193						
		3/0	B7194						
		00	B7195						
		0	B7196						
		1	B7197						
		2	B7198						
		3	B7199						
		4	B7200						
		5	B7201						
CKA 		5/0	B7186	5/16-24(2)* (5/32-4mm tube)	1/8NPT	1-3/4	3/8	151/6	 
		4/0	B7187						
		3/0	B7188						
		00	B7189						
		0	B7196						
		1	B7197						
		2	B6779						
		3	B6780						
		4	B6781						
		5	B6782						
CKB 		5/0	B7180	5/16-24(2)* (5/32-4mm tube)	1/8NPT	1-3/8	3/8	15/16	 
		4/0	B7181						
		3/0	B7182						
		00	B7183						
		0	B7184						
		1	B7185						
		2	B6783						
		3	B6784						
		4	B6785						
		5	B6786						

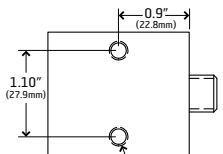
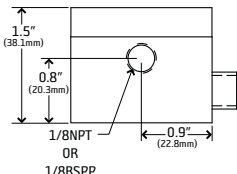
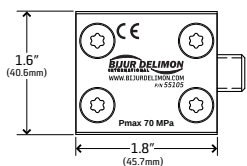
* See page 18-19 for tubing connections.

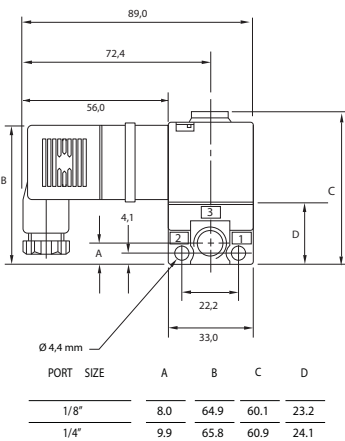
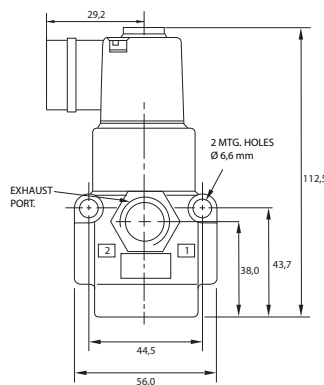
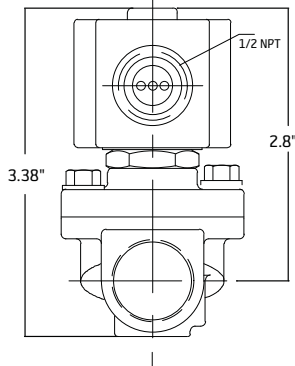
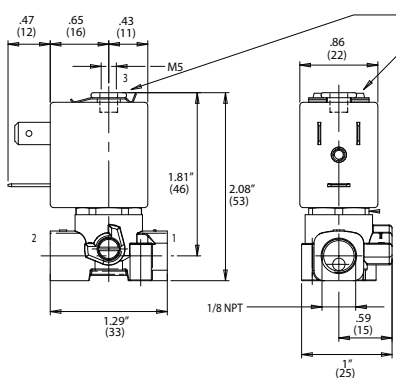
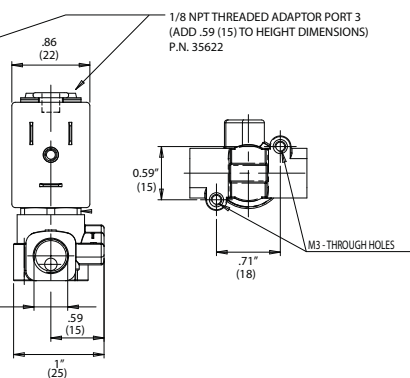
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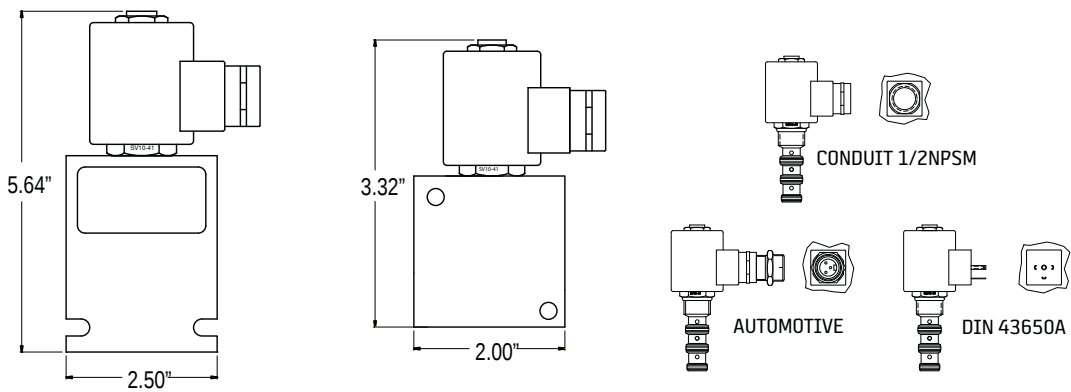
* See page 18-19 for tubing connections.

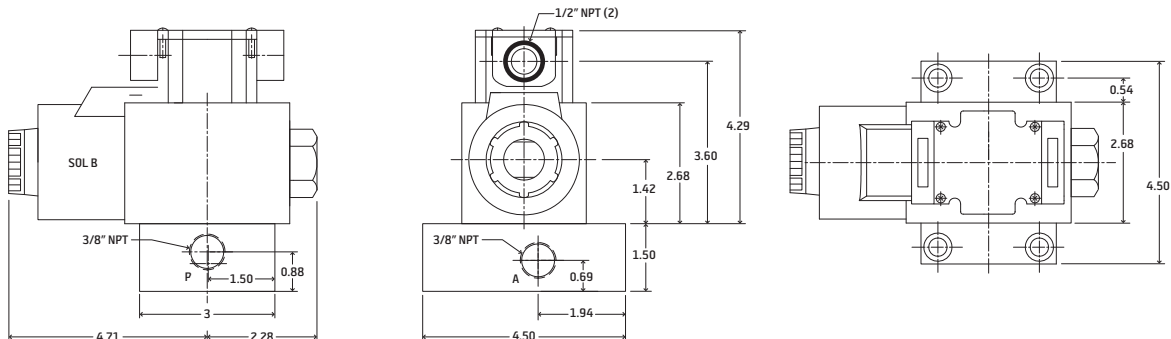
	BDI PART #	DESCRIPTION	CHECK VALVE	TYPE	TUBE/		DRAWING
					TUBE (1)	THREADS (2)	
PVB / PVBM Fittings 	35360	OUTLET FITTING	Y	COMPRESSION	3/16"	M10X1	
	35361	OUTLET FITTING	N	COMPRESSION	3/16"	M10X1	
	29084	OUTLET FITTING	Y	PTC	3/16"	M10X1	
	29086	OUTLET FITTING	N	PTC	3/16"	M10X1	
	35166	OUTLET FITTING	Y	COMPRESSION	1/4"	M10X1	
	35362	OUTLET FITTING	N	COMPRESSION	1/4"	M10X1	
	29080	OUTLET FITTING	Y	PTC	1/4"	M10X1	
	29082	OUTLET FITTING	N	PTC	1/4"	M10X1	
	23397	OUTLET FITTING	Y	COMPRESSION	4mm	M10X1	
	23405	OUTLET FITTING	Y	PTC	4mm	M10X1	
	23301	OUTLET FITTING	Y	COMPRESSION	6mm	M10X1	
	29559	OUTLET FITTING	N	COMPRESSION	6mm	M10X1	
	23407	OUTLET FITTING	Y	PTC	6mm	M10X1	
	29076	OUTLET FITTING	Y	-	1/8NPTF	M10X1	
	29078	OUTLET FITTING	N	-	1/8NPTF	M10X1	
	60631	OUTLET FITTING	Y	-	1/8BSP	M10X1	
	74161-1851	B PLUG	-	-	-	M10X1	
	73511-3223	B CLAMP RING	-	-	-	-	
	74161-5741	C PLUG	-	-	-	M10X1	
	72712-1094	C WASHER	-	-	-	-	

	BDI PART #	DESCRIPTION	THREADS (FLOW→)		DIMENSIONS		DRAWINGS
			Inlet(1)	Outlet(2)	A	B	
CHOKES Type CTN 	21583-1	CTN-1	1/8NPT	1/8NPT	.83"	.375"	
	21583-2A	CTN-2					
	21583-5A	CTN-5					

	BDI PART #	THREADS	MAXIMUM PRESSURE		SWITCH RATING		ENCLOSURE	MONITORING CONNECTION									
			PSI	BAR	MAX VOLTAGE	MAX CURRENT											
Lube Point Monitor	55105	1/8NPT	10153	700	0-24 VDC	0.20 amp	IP67	M12 4-POLE									
	55105-B	1/8BSPP															
 Operating Temp. Range: -4° to 158° F (-20° to 70° C) Lubricant Range: ISO VG32 OIL to NLGI #2 Grease Material: Aluminum Vibrations: 20 g (10-20000 Hz) (see page 73 for connection cables)  Refer to the following: Datasheet: #35978 <table><thead><tr><th>PIN #</th><th>Description</th><th>Wire Color</th></tr></thead><tbody><tr><td>1</td><td>Common</td><td>Brown</td></tr><tr><td>4</td><td>Signal</td><td>Black</td></tr></tbody></table>									PIN #	Description	Wire Color	1	Common	Brown	4	Signal	Black
PIN #	Description	Wire Color															
1	Common	Brown															
4	Signal	Black															

	BDI PART #	VOLTAGE	Hz	ELEC. CONN.	CURRENT		PORT SIZE			TYPE	FLOW MAX	ENCL. NEMA	TEMP RANGE
					HOLDING	IN RUSH	INLET	OUTLET	EXHAUST				
Solenoid Valves Pneumatic  Configuration: N.C. Max Pressure: 150 psi (10.3 bar) UL/CSA/CE VAL10107B/ VAL13038A/ : Explosion proof and watertight. VAL13718A/ VAL13717A: includes a junction box with screw terminals & high temp coil. VAL10662B: 250psi max * DIN connector not Included(see page 72)	20311-1	120VAC	50/60	1/4NPTF	0.09 amps	0.12 amps	1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1	0° to 140° F (-18° to 60° C)
	20311-3	120VAC	50/60	DIN 43650A	0.09 amps	0.12 amps	1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1	
	20311-4	240VAC	50/60	DIN 43650A	0.09 amps	0.12 amps	1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1	
	20311-5	24VDC	-	1/4NPTF	6W		1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1	
	20311-7	24VDC	-	DIN 43650A	6W		1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1	
	20311-8	24VDC	-	DIN 43650A	6W		1/4NPTF	1/4NPTF	1/4NPTF	3/2	0.18Cv	1	
	20311-9	120VAC	50/60	DIN 43650A	0.09amps	0.12 amps	1/4NPTF	1/4NPTF	1/4NPTF	3/2	0.18Cv	1	
	20311-11	24VDC	-	DIN 43650A	6W		1/4BSPP	1/4BSPP	1/4BSPP	3/2	0.18Cv	1	
	201594	120VAC	50/60	1/2NPTF	0.133 amps	0.333 amps	1/2NPTF	1/2NPTF	-	2/2	4.0Cv	4X	32° to 125° F (0° to 52° C)
	U10602D3	240VAC	50/60	1/2NPTF	0.104 amps	0.292 amps	1/2NPTF	1/2NPTF	-	2/2	4.0Cv	4X	
	201595	120VAC	50/60	1/2NPTF	0.133 amps	0.333 amps	3/4NPTF	3/4NPTF	-	2/2	6.5Cv	4X	
	VAL10107B	120VAC	50/60	1/2NPTF	16 VA	40VA	1/2NPTF	1/2NPTF	-	2/2	4.0Cv	3/4/4X/7/9	
	VAL13038A	120VAC	50/60	1/2NPT	25 VA	70 VA	1/2NPTF	1/2NPTF	-	2/2	4.0Cv	4X/7/9	32° to 356° F (0° to 180° C)
	VAL13717A	120VAC	50/60	1/2NPTF	25 VA	50 VA	1/4NPTF	1/4NPTF	1/4NPTF	3/2	.12Cv	4X	
	VAL13718A	120VAC	50/60	1/2NPTF	25VA	70VA	1/2NPTF	1/2NPTF	-	2/2	4.0Cv	1/2/3/3S/4 4X	
	U10626A1	120VAC	50/60	1/2NPTF	0.09 amps	0.12 amps	1/4NPTF	1/4NPTF	3/8NPTF	3/2	1.4Cv	4	
	U10626C1	120VAC	50/60	1/2NPTF	0.09 amps	0.12 amps	3/8NPTF	3/8NPTF	3/8NPTF	3/2	1.6Cv	4	0° to 140° F (-18° to 60° C)
U10626A2	240VAC	50/60	1/2NPTF	0.09 amps	0.12 amps	1/4NPTF	1/4NPTF	3/8NPTF	3/2	1.4Cv	4		
U10626A5	24VDC	-	1/2NPTF	2.5W		1/4NPTF	1/4NPTF	3/8NPTF	3/2	1.4Cv	4		
VAL10662B	220/440VAC	50/60	3/4NPT			3/4NPT	3/4NPT	-	2/2	6.5Cv	4/7/9		
35576-1	12VDC	-	DIN 46244B*	6.9W		1/8NPTF	1/8NPTF	M5	3/2	0.09Cv	IP65	15° to 140° F (-9° to 60° C)	
35576-2	24VDC	-											
DRAWINGS													
 20311 SERIES Dimensions shown are metric (mm)  U10626 SERIES Dimensions shown are metric (mm)  U10602/VAL SERIES Dimensions shown are inch (in)													
 20311 SERIES Dimensions shown are inch (in)  U10626 SERIES Dimensions shown are inch (in)													

	BDI PART #	VOLTAGE	Hz	POWER	INRUSH CURRENT	PSI MAX	MEDIA	ELEC CONN	SEAL MATERIAL	REPLACEMENT COIL
Solenoid Valves - Electric Shut Off/Zone Remote Mount  Temperature Range: Nitrile (Buna) -40° to 212° F (-40° to 100° C) Fluorocarbon (Viton) -15° to 400° F (-26° to 204° C) Function: N.C. (* N.O.) Port Size: 1/4 NPT Conduit: 1/2 NPSM Note: Manual Override on MCZ2504 models	MCZ2503B00BH12N	12VDC	-	20 W	1.7 amp	3000	GREASE	3-PIN AUTO	NITRILE	CIL13277A1
	MCZ2503B00HC24N	24VDC	-	20 W	0.85 amp	3000	GREASE	DIN 43650A	NITRILE	CIL13278B2
	MCZ2503BV0HC24N	24VDC	-	20 W	0.85 amp	3000	GREASE	DIN 43650A	FLUORO-CARBON	CIL13278B2
	MCZ2503B00BH24N	24VDC	-	20 W	0.85 amp	3000	GREASE	3-PIN AUTO	NITRILE	CIL13277A2
	MCZ2503CV0DL24N*	24DC	-	20 W	0.85 amp	3000	GREASE	CONDUIT	NITRILE	CIL13276B2
	MCZ2503CV0HC24N*	24DC	-	20 W	0.85 amp	3000	GREASE	DIN 43650A	NITRILE	CIL13278B2
	MCZ2501F00HC24N	24DC	-	20 W	0.85 amp	1500	OIL	DIN 43650A	NITRILE	CIL134154
	MCZ2503B00DL11N	115VAC	50/60	20 W	0.17 amp	3000	GREASE	CONDUIT	NITRILE	CIL13276B3
	MCZ2503B00BH11N	115VAC	50/60	20 W	0.17 amp	3000	GREASE	3-PIN AUTO	NITRILE	CIL13277A3
	MCZ2504BV0DL11N	115VAC	50/60	20 W	0.17 amp	3000	GREASE	CONDUIT	FLUORO-CARBON	CIL13276B3
	MCZ2504BV0HC11N	115VAC	50/60	20 W	0.17 amp	3000	GREASE	DIN 43650A	FLUORO-CARBON	CIL13278B3
	MCZ2503BV0DL11N	115VAC	50/60	20 W	0.17 amp	3000	GREASE	CONDUIT	FLUORO-CARBON	CIL13276B3
	MCZ2501F00BH11N	115VAC	50/60	20 W	0.17 amp	1500	OIL	3-PIN AUTO	NITRILE	CIL13416B
	MCZ2501F00DL11N	115VAC	50/60	20 W	0.17 amp	1500	OIL	CONDUIT	NITRILE	CIL134151
	MCZ2501A00BH11N	115VAC	50/60	20 W	0.17 amp	3000	OIL	CONDUIT	NITRILE	CIL134151
	MCZ2503B00BH22N	230VAC	50/60	20 W	0.09 amp	3000	GREASE	3-PIN AUTO	NITRILE	CIL13277A4
DRAWINGS										
 Dimensions shown are inch (in)										

	BDI PART #	VOLTAGE	Hz	STARTING CURRENT	HOLDING CURRENT	HOLDING POWER	VOLTAGE RANGE	ELECTRICAL CONNECTION	PORT SIZE
Solenoid Valves - Electric Shut Off/Zone 	39909	115VAC	50/60	5 amp	1 amp	42 W	80-120V	1/2NPTF	3/8NPTF
	37214	230VAC	50/60	2.5 amp	0.48 amp	32 W	180-240V	1/2NPTF	3/8NPTF
	37196	24VDC	-	-	1.5 amp	36 W	21.6-26.4V	1/2NPTF	3/8NPTF
DRAWINGS									
									

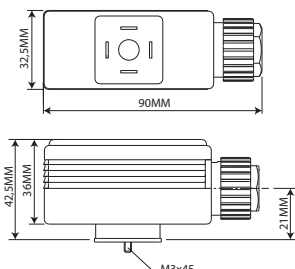
Operating Temp. Range:
41° to 140° F
(5° to 60° C)

Function:
N.C.

Max Pressure:
5000 psi
(345 bar)

Max Flow:
12 gpm

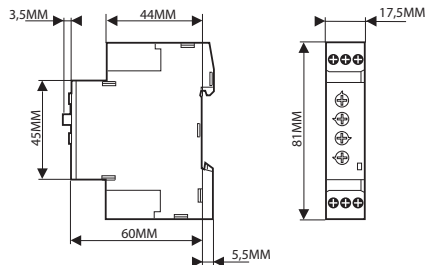
Media:
80SUS Oil up to
NLGI #2 Grease

	BDI PART #	VOLTAGE	Hz	TIMER RANGE	ELEC CONN
Solenoid On-Off Timer -DIN connection* 	24476	110-230VAC	50/60	0.5 Seconds - 10 Hours	PG9
	24476-24V	24-48VAC / 24-48VDC	50/60(AC)	0.5 Seconds - 10 Hours	PG9
DRAWINGS					
					

Operating Temp. Range:
14° to 140° F
(-10° to 60° C)

DIN:
DIN 43650 FORM A

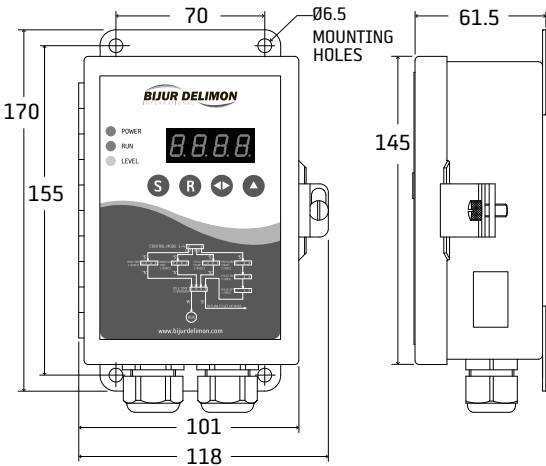
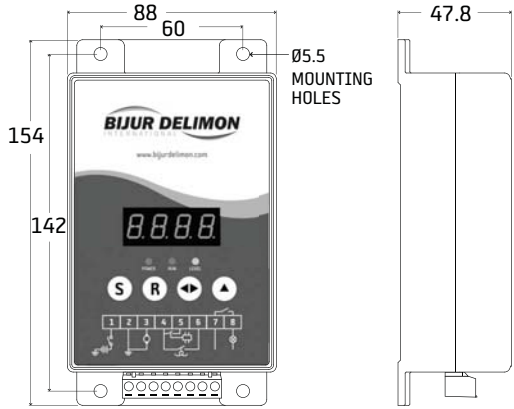
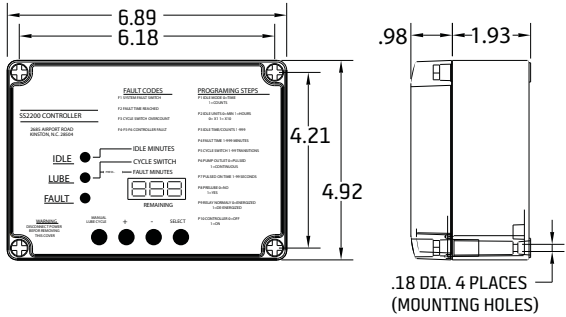
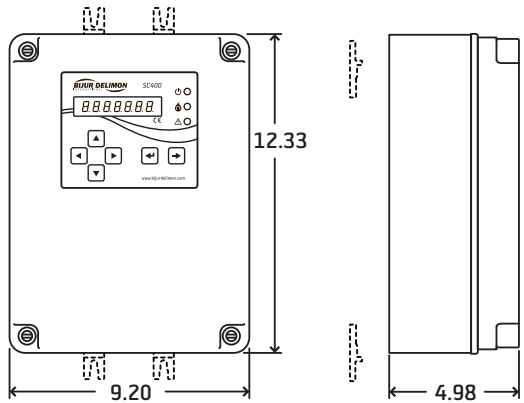
ENCLOSURE:
IP65
*Fits 20311 solenoids
(see page 39)

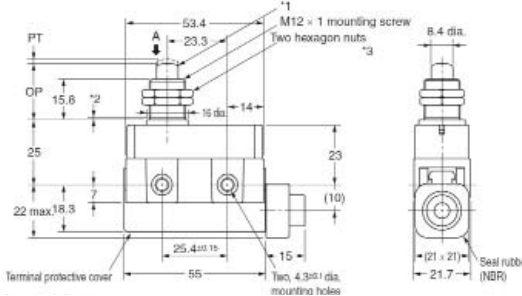
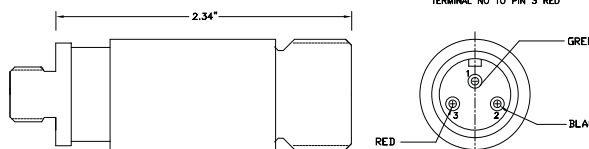
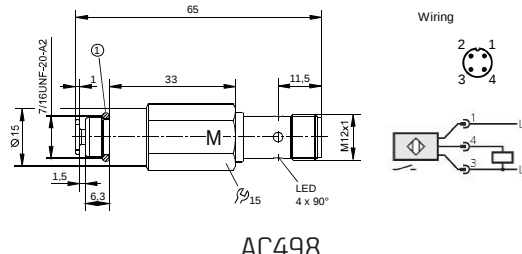
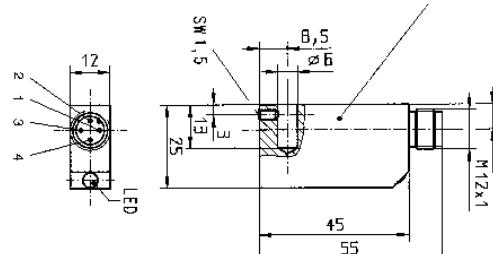
	BDI PART #	VOLTAGE	Hz	TIMER RANGE	ELEC CONN	CONTACT FORM	CURRENT RATING
On-Off Timer 	35074	24VDC - 24-240VAC	50/60 (VAC)	0.1 Seconds - 100 Hours	SCREW TERM	SPDT	10A
DRAWINGS							
							

Repeat Cycle

MOUNTING:
DIN RAIL

STANDARDS:
UL listed
cUL listed
CSA recognized
CE Approved

	BDI PART #	VOLTAGE	Hz	FAULT RELAY CONTACTS	ELECTRICAL CONNECTION	REF DATA SHEET	ENCLOSURE RATING	FEATURES / MODES
Controllers    	22361-E2	110VAC	50/60	30W	CABLE GLAND	46912	IP55	TIMER / INJ / PROG / PULSE
	22361-E1	220VAC	50/60	30W	CABLE GLAND		IP55	TIMER / INJ / PROG / PULSE
	33346E	12/24VDC	-	24VDC,1A	CABLE GLAND	46911	IP67	TIMER / INJ / PROG / PULSE
	33346ME	12/24VDC	-	24VDC,1A	EXT TERM STRIP		IP47	TIMER / INJ / PROG / PULSE
	SS2200	120VAC	50/60	2A	INT TERM STRIP	24735	NEMA 4X	INJ / PROG / PULSE
	SC400	85-265VAC	50/60	5A	INT TERM STRIP	35980	IP56	INJ / PROG / DUALINE / CONT
  Measurements shown in millimeters.   Measurements shown in inches.								

	BDI PART #	VOLTAGE	Hz	CONTACT RATINGS	CIRCUITRY	CONNECTION	ENCLOSURE	ACTION	NOTES
Switches                 	U625	125-460VAC	50/60	15A	SPDT	1/2NPTF	NEMA 7/9	ROLLER LEVER	XP, UL
	U10623	125-480VAC	50/60	15A	SPDT	1/2NPTF	NEMA 1	PLUNGER	MC13974B MC13975B FT15801C8 LC10243/LC11036
		125VDC	-				NEMA 4		201134
	201132	125-480VAC	50/60	10A 3A 10A 6A 0.50A 0.25A	SPDT	TERM STRIP	NEMA 1	PLUNGER	MULTIPOINT 1000
	30544	125-250VAC	50/60						
		480VAC	50/60						
		8-14VDC	-						
		30VDC	-						
		125VDC	-						
	250VDC	-							
	MC13975B	125-480VAC 125VDC	50/60	15A	SPDT	AUTOMOTIVE 3-PIN	NEMA 1	PLUNGER	M2500
	MC13974B					1/2NPTF			M2500
	FT15801C8								3000
	LC10243						120LB DRUM LLS		
	LC11036					400LB DRUM LLS			
	201134					3000			
	17324	600VAC	50/60	15A	SPDT	1/2NPTF	NEMA 4	PLUNGER	M2500G
		250VDC	-	0.5A					
	33583	BRACKET FOR 17324							
	MCSA2503	250VAC	50/60	5A	SPDT	AUTOMOTIVE 3-PIN	-	MAGNET	M2500G M2500
		28VDC	-	5A					
	AC498	10-36VDC	-	100mA	N.O. PNP	M12 (4-POLE)	IP67	PROX	M2500
	AC498-1				N.O. PNP				M2500G
	66925-1311	10-30VDC	-	200mA	N.O. PNP	M12 (4-POLE)	IP65	PROX	PVB PVBM
	66925S003			100mA	N.O. NPN				
DRAWINGS									
 U SERIES  MCSA2503  AC498  66925									

**Junction
Headers**



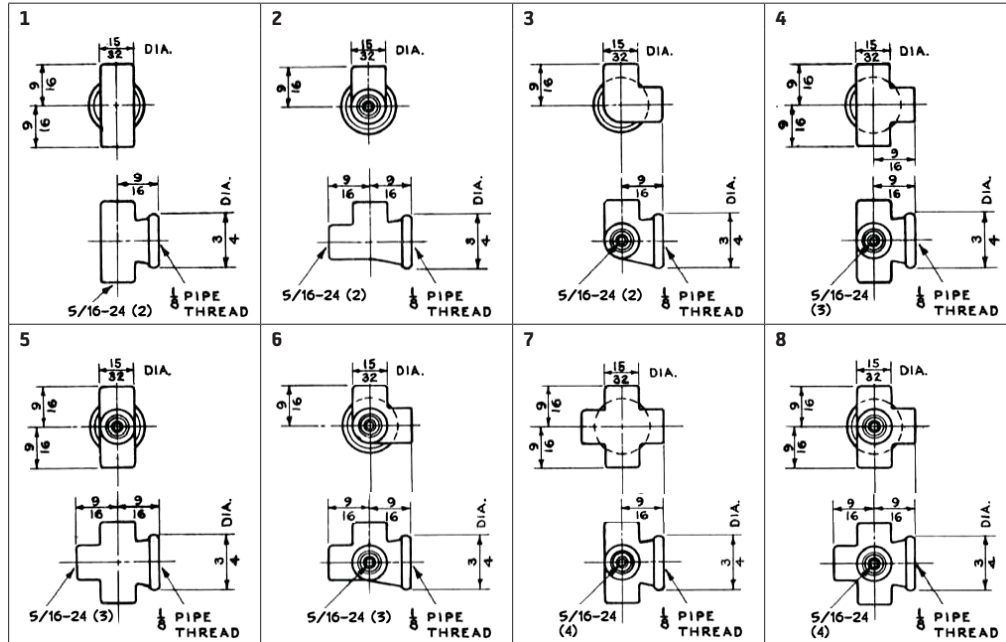
Used with Meter &
Control Units
(FT/CT)

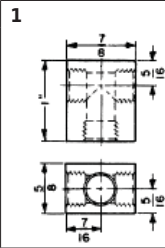
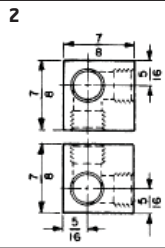
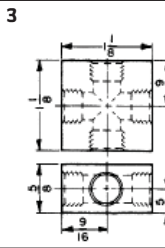
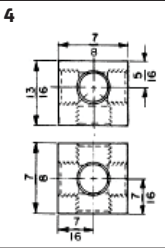
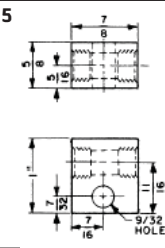
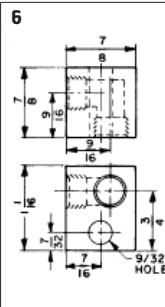
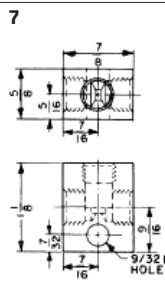
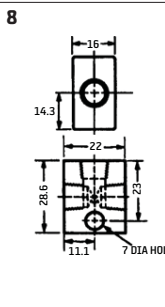
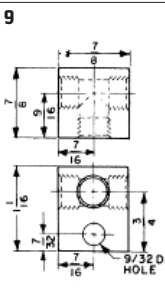
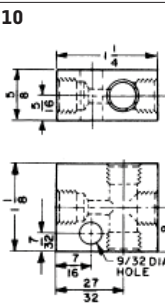
Die Cast Zinc Alloy

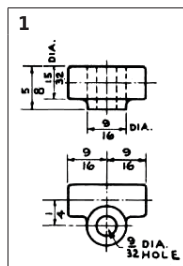
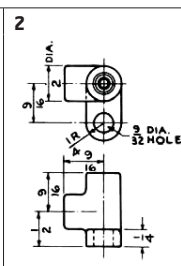
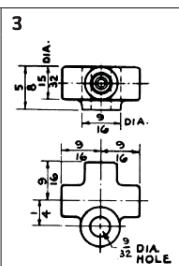
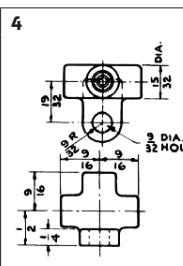
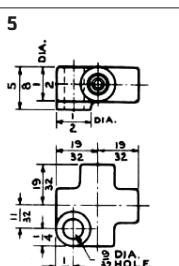
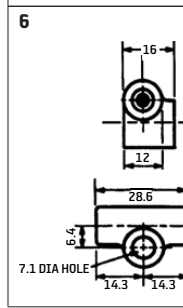
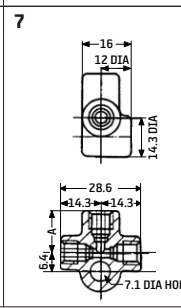
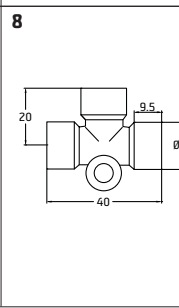
Inlet is for 5/32 (4mm)
tube connection.
Accepts compression
sleeve B1061 or B8272
and compression
bushing B1371 or
B3783.

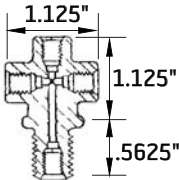
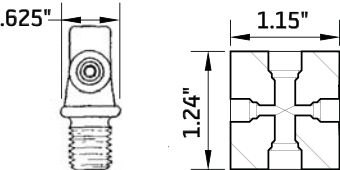
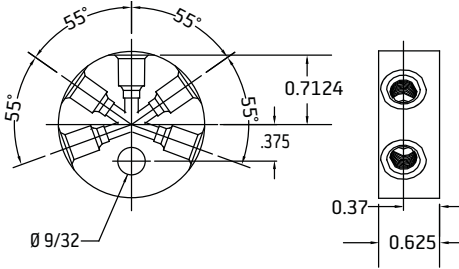
BDI PART #	TYPE	5/16-24 INLETS	TUBE SIZE	1/8NPTF OUTLETS	DRAWING ITEM #
B1503	TA	2	5/32 (4MM)	1	1
B1538	TC	2	5/32 (4MM)	1	2
B1539	TD	2	5/32 (4MM)	1	3
B3150	TG	3	5/32 (4MM)	1	4
B1504	TB	3	5/32 (4MM)	1	5
B4047	TK	3	5/32 (4MM)	1	6
B2810	TH	4	5/32 (4MM)	1	7
B4367	TL	4	5/32 (4MM)	1	8

DRAWINGS

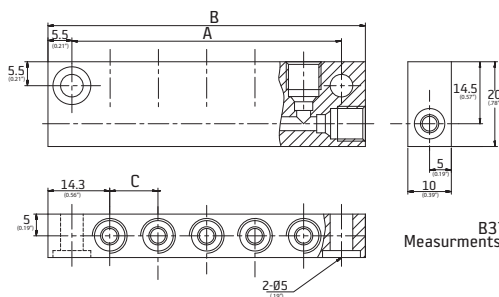


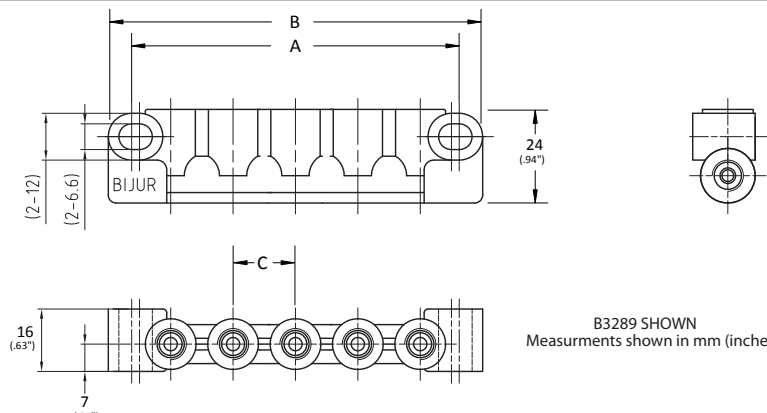
	BDI PART #	TYPE	THREADS	MOUNTING HOLE		DRAWING ITEM #
				HAS MOUNTING HOLE	SIZE	
Junction Blocks 	B7682	3 WAY	1/8 NPTF	NO	-	1
	B7683	3 WAY	1/8 NPTF	NO	-	2
	B7684	4 WAY	1/8 NPTF	NO	-	3
	B7686	5 WAY	1/8 NPTF	NO	-	4
	B7690	2 WAY	1/8 NPTF	YES	9/32"	5
	B7691	2 WAY	1/8 NPTF	YES	9/32"	6
	B7692	3 WAY	1/8 NPTF	YES	9/32"	7
	17186	3 WAY	1/8 BSPT	YES	7mm	8
	B7693	3 WAY	1/8 NPTF	YES	9/32"	9
	B7694	4 WAY	1/8 NPTF	YES	9/32"	10
DRAWINGS						
1/8" NPTF & 1/8" BSPT Aluminum Alloy	1  2  3  4  5  6  7  8  9  10 					

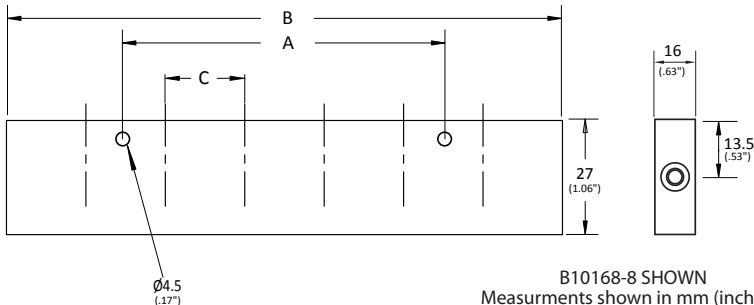
BDI PART #							TYPE	THREADS	TUBE SIZE	MOUNTING HOLE SIZE	DRAWING ITEM #
Junctions  5/16-24, M8X1 & M10X1 Alum Zinc Die Cast Alloy 9/32" Mounting Hole	B3288	2 WAY	5/16-24	5/32 (4MM)	9/32"	1					
	B5149	2 WAY	5/16-24	5/32 (4MM)	9/32"	2					
	B3065	3 WAY	5/16-24	5/32 (4MM)	9/32"	3					
	B1092	3 WAY	5/16-24	5/32 (4MM)	9/32"	4					
	B4231	4 WAY	5/16-24	5/32 (4MM)	9/32"	5					
	31002	2 WAY	M10X1	6MM	9/32"	1					
	31003	3 WAY	M10X1	6MM	9/32"	3					
	31004	4 WAY	M10X1	6MM	9/32"	5					
	22609	2 WAY	M8X1	4MM	7.1mm	6					
	22564	3 WAY	M8X1	4MM	7.1mm	7					
	73462-3443	3 WAY	M10X1	6MM	6.5mm	8					
	DRAWINGS										
1  2  3  4  5  6  7  8 											

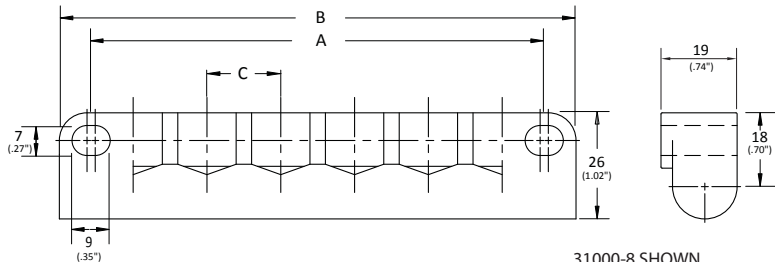
BDI PART #				THREADS		INCLUDES		NOTES
TYPE	OUTLETS	INLET	OUTLETS	TUBE SIZE	MOUNTING HOLE			
Junctions Specials  Alum Zinc Die Cast Alloy (B1096 Aluminum)	B9849	4 WAY	3	1/2-20 (1)	5/16-24 (3)	5/32 (4MM)	NO	USED ON OLD STYLE L5H D3508
	22171	4 WAY	3	M10X1 (1)	1/8NPTF (1) 5/16-24 (2)	5/32 (4MM)	NO	USED ON L5H D3508C
	B1096	5 WAY	4	5/16-24 (1)	5/16-24 (4)	5/32 (4MM)	YES	FLAT MOUNTED
	DRAWINGS							
 B9849  22171  B1096								

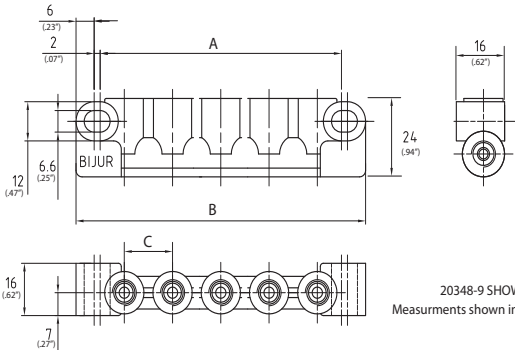
				THREADS		MOUNTING HOLE		
BDI PART #	TYPE	OUTLETS	INLET	OUTLET	HAS MOUNTING HOLE	SIZE	DRAWING ITEM #	
Junctions Bars 1/8" NPTF Aluminum Alloy Single sided 2 Mounting Holes	B7687	4 WAY	2	1/8NPTF (2)	1/8NPTF (2)	1.75"(44.5mm)	2.25"(57.3mm)	.877"(22.3mm)
	B7688	5 WAY	3	1/8NPTF (2)	1/8NPTF (3)	2.625"(66.7mm)	3.125"(79.5mm)	.877"(22.3mm)
	B7689	6 WAY	4	1/8NPTF (2)	1/8NPTF (4)	3.5"(89mm)	4.0"(102mm)	.877"(22.3mm)
	B8897	7 WAY	5	1/8NPTF (2)	1/8NPTF (5)	4.375"(111.2mm)	4.875"(124.2mm)	.877"(22.3mm)
	B8898	8 WAY	6	1/8NPTF (2)	1/8NPTF (6)	5.25"(133.4mm)	5.75"(146.5mm)	.877"(22.3mm)
	B8899	10 WAY	8	1/8NPTF (2)	1/8NPTF (8)	7.0"(177.8mm)	7.5"(191.1mm)	.877"(22.3mm)
DRAWINGS								
</								

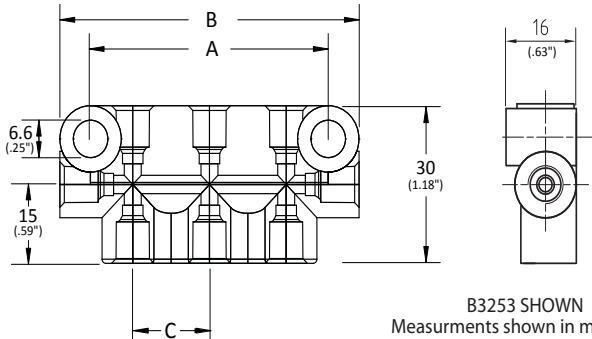
	BDI PART #	TYPE	OUTLETS	THREADS		HAS MOUNTING HOLE	MOUNTING HOLE SIZE		DRAWING ITEM #
				INLET	OUTLET				
Junctions Bars  5/16-24 Aluminum Alloy Single sided 2 Mounting Holes FJD & CJD	B4522	2 WAY	1	5/16-24 (1)	5/16-24 (1)	-	.9375"(24mm)		.437"(11.1mm)
	B4498	3 WAY	1	5/16-24 (2)	5/16-24 (1)	.6875"(17.5mm)	1.125"(28.6mm)		.437"(11.1mm)
	B3764	4 WAY	2	5/16-24 (2)	5/16-24 (2)	1.125"(28.6mm)	1.562"(39.7mm)		.437"(11.1mm)
	B3765	5 WAY	3	5/16-24 (2)	5/16-24 (3)	1.5625"(40mm)	2.0"(51mm)		.437"(11.1mm)
	B3766	6 WAY	4	5/16-24 (2)	5/16-24 (4)	2.0"(50.8mm)	2.4375"(62mm)		.437"(11.1mm)
	B3767	7 WAY	5	5/16-24 (2)	5/16-24 (5)	2.4375"(62mm)	2.875"(73mm)		.437"(11.1mm)
	B3768	8 WAY	6	5/16-24 (2)	5/16-24 (6)	2.875"(73mm)	3.3125"(84mm)		.437"(11.1mm)
	B3769	9 WAY	7	5/16-24 (2)	5/16-24 (7)	3.3125"(84.2mm)	3.75"(95.2mm)		.437"(11.1mm)
	B3770	10 WAY	8	5/16-24 (2)	5/16-24 (8)	4.1875"(95.3mm)	4.1875"(106.3mm)		.437"(11.1mm)
	B3771	11 WAY	9	5/16-24 (2)	5/16-24 (9)	4.1875"(106.4mm)	4.625"(117.4mm)		.437"(11.1mm)
	B3772	12 WAY	10	5/16-24 (2)	5/16-24 (10)	4.625"(117.5mm)	5.0625"(128.5mm)		.437"(11.1mm)
DRAWINGS									
 B3767 SHOWN Measurements shown in mm (inches)									

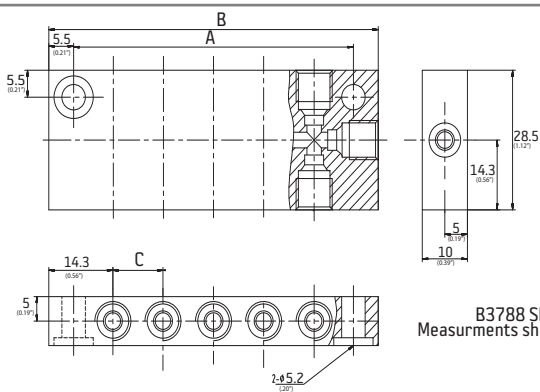
BDI PART #				TYPE	OUTLETS	DIMENSIONS		
				INLET	OUTLETS	A	B	C
Junctions Bars  5/16-24 Alum Zinc Die Cast Single sided 2 Mounting Holes FJB, FJC, CJB, CJC QJB, ZJBE	B3262	4 WAY	2	5/16-24 (2)	5/16-24 (2)	36mm	48mm	16mm
	B3263	5 WAY	3	5/16-24 (2)	5/16-24 (3)	52mm	64mm	16mm
	B3264	6 WAY	4	5/16-24 (2)	5/16-24 (4)	68mm	80mm	16mm
	B3289	7 WAY	5	5/16-24 (2)	5/16-24 (5)	84mm	96mm	16mm
	B3265	8 WAY	6	5/16-24 (2)	5/16-24 (6)	100mm	112mm	16mm
	B4508	9 WAY	7	5/16-24 (2)	5/16-24 (7)	116mm	128mm	16mm
	B3704	10 WAY	8	5/16-24 (2)	5/16-24 (8)	132mm	144mm	16mm
	B3471	12 WAY	10	5/16-24 (2)	5/16-24 (10)	164mm	176mm	16mm
DRAWINGS								
 B3289 SHOWN Measurements shown in mm (inches)								

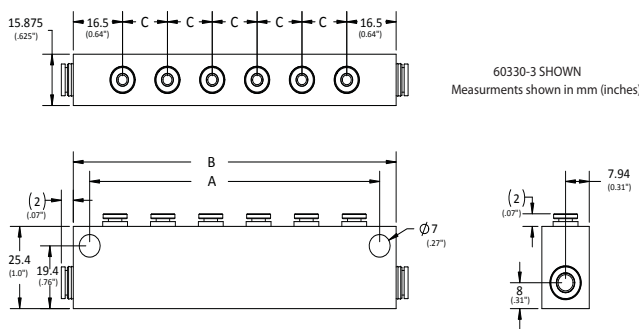
	BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	DIMENSIONS		
						A	B	C
Junctions Bars  M10X1 Aluminum Alloy Single sided 2 Mounting Holes ZEE, ZEG, ZMBE, ZMBM B10164 has 1-mtg hole	B10164	4 WAY	2	M10X1 (2)	M10X1 (2)	-	57mm	18mm
	B10168-5	5 WAY	3	M10X1 (2)	M10X1 (3)	18mm	75mm	18mm
	B10168-6	6 WAY	4	M10X1 (2)	M10X1 (4)	36mm	93mm	18mm
	B10168-7	7 WAY	5	M10X1 (2)	M10X1 (5)	54mm	111mm	18mm
	B10168-8	8 WAY	6	M10X1 (2)	M10X1 (6)	72mm	129mm	18mm
	B10168-10	10 WAY	8	M10X1 (2)	M10X1 (8)	108mm	165mm	18mm
	B10168-12	12 WAY	10	M10X1 (2)	M10X1 (10)	144mm	201mm	18mm
	B10168-13	13 WAY	11	M10X1 (2)	M10X1 (11)	162mm	219mm	18mm
	B10168-14	14 WAY	12	M10X1 (2)	M10X1 (12)	180mm	237mm	18mm
DRAWINGS  B10168-8 SHOWN Measurements shown in mm (inches)								

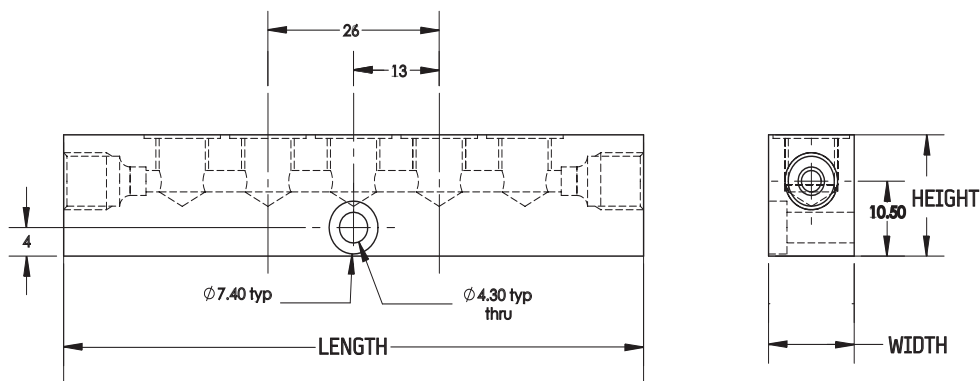
	BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	DIMENSIONS		
						A	B	C
Junctions Bars  M10X1 Alum Zinc Die Cast Single sided 2 Mounting Holes ZEE, ZEG, ZMBE, ZMBM	31000-4	4 WAY	2	M10X1 (2)	M10X1 (2)	38mm	53mm	16mm
	31000-5	5 WAY	3	M10X1 (2)	M10X1 (3)	54mm	69mm	16mm
	31000-6	6 WAY	4	M10X1 (2)	M10X1 (4)	70mm	85mm	16mm
	31000-7	7 WAY	5	M10X1 (2)	M10X1 (5)	86mm	101mm	16mm
	31000-8	8 WAY	6	M10X1 (2)	M10X1 (6)	102mm	117mm	16mm
	31000-9	9 WAY	7	M10X1 (2)	M10X1 (7)	118mm	133mm	16mm
	31000-10	10 WAY	8	M10X1 (2)	M10X1 (8)	134mm	149mm	16mm
DRAWINGS  31000-8 SHOWN Measurements shown in mm (inches)								

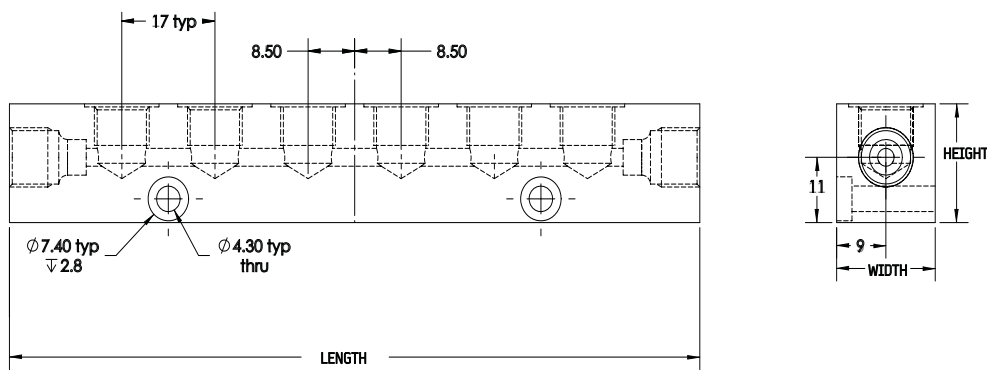
			DIMENSIONS					
	BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	A	B	C
Junctions Bars  M8X1 Alum Zinc Die Cast Single sided 2 Mounting Holes AJB, QJM, ZJBM	20348-4	4 WAY	2	M8X1 (2)	M8X1 (2)	36mm	48mm	16mm
	20348-5	5 WAY	3	M8X1 (2)	M8X1 (3)	52mm	64mm	16mm
	20348-6	6 WAY	4	M8X1 (2)	M8X1 (4)	68mm	80mm	16mm
	20348-7	7 WAY	5	M8X1 (2)	M8X1 (5)	84mm	96mm	16mm
	20348-8	8 WAY	6	M8X1 (2)	M8X1 (6)	100mm	112mm	16mm
	20348-9	9 WAY	7	M8X1 (2)	M8X1 (7)	116mm	128mm	16mm
	20348-10	10 WAY	8	M8X1 (2)	M8X1 (8)	132mm	144mm	16mm
	20348-12	12 WAY	10	M8X1 (2)	M8X1 (10)	164mm	176mm	16mm
DRAWINGS								
 20348-9 SHOWN Measurements shown in mm (inches)								

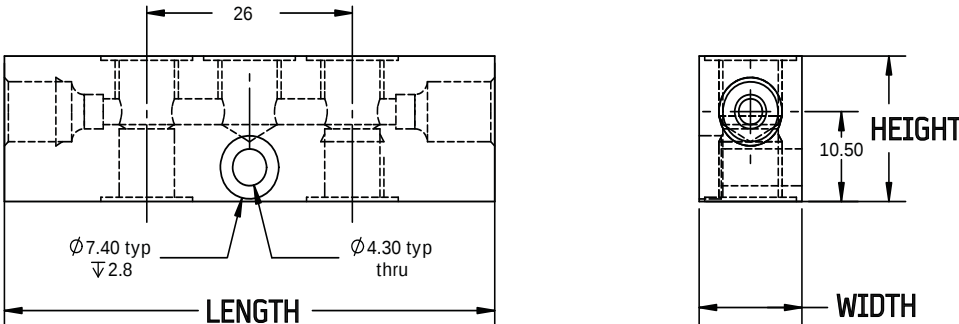
				DIMENSIONS				
BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	A	B	C	
Junctions Bars  5/16-24 Alum Zinc Die Cast Double sided 2 Mounting Holes FJB, FJC, CJB, CJC QJB, ZJBE	B3109	6 WAY	4	5/16-24 (2)	5/16-24 (4)	36mm	48mm	16mm
	B3253	8 WAY	6	5/16-24 (2)	5/16-24 (6)	50mm	62mm	16mm
	B3254	10 WAY	8	5/16-24 (2)	5/16-24 (8)	66mm	78mm	16mm
	B3249	12 WAY	10	5/16-24 (2)	5/16-24 (10)	81mm	93.7mm	16mm
	B4020	14 WAY	12	5/16-24 (2)	5/16-24 (12)	96.8mm	108mm	16mm
	B4025	16 WAY	14	5/16-24 (2)	5/16-24 (14)	112.7mm	125.4mm	16mm
DRAWINGS								
 B3253 SHOWN Measurements shown in mm (inches)								

	BDI PART #	TYPE	OUTLETS	INLET		OUTLETS	DIMENSIONS		
							A	B	C
Junctions Bars  5/16-24 Aluminum Alloy Double sided 2 Mounting Holes FJD, CJD	B3785	6 WAY	4	5/16-24 (2)	5/16-24 (4)		28.6mm(1.12")	39.6mm (1.56")	11.1mm (.43")
	B3786	8 WAY	6	5/16-24 (2)	5/16-24 (6)		40mm(1.5625")	51mm(2.0")	11.1mm (.43")
	B3787	10 WAY	8	5/16-24 (2)	5/16-24 (8)		50.8mm(2.0")	62mm(2.43")	11.1mm (.43")
	B3788	12 WAY	10	5/16-24 (2)	5/16-24 (10)		61.9mm (2.43")	73mm (2.87")	11.1mm (.43")
	B3789	14 WAY	12	5/16-24 (2)	5/16-24 (12)		73mm(2.87")	84mm(3.12")	11.1mm (.43")
DRAWINGS									
 B3788 SHOWN Measurements shown in mm (inches)									

	BDI PART #	TYPE	OUTLETS	INLET		OUTLETS	DIMENSIONS		
							A	B	C
Junctions Bars  Quick Connect Aluminum Bar Single sided 2 Mounting Holes 4mm & 6mm	60330-2	2 WAY	2	6mm (2)	4mm (2)		37mm	49mm	15mm
	60330-3	3 WAY	3	6mm (2)	4mm (3)		52mm	63mm	15mm
	60330-4	4 WAY	4	6mm (2)	4mm (4)		67mm	78mm	15mm
	60330-5	5 WAY	5	6mm (2)	4mm (5)		82mm	93mm	15mm
	60330-6	6 WAY	6	6mm (2)	4mm (6)		97mm	108mm	15mm
DRAWINGS									
 60330-3 SHOWN Measurements shown in mm (inches)									

				THREADS		MOUNTING HOLES		DIMENSIONS			
	BDI PART #	TYPE	OUTLETS	INLETS	OUTLETS	#	SPACING	Ø DIA.	LENGTH	HEIGHT	WIDTH
ZEM Junctions  Aluminum Alloy Single sided	34547	3 WAY	1	M12X1 (2)	M14X1.5 (1)	1	-	4.3mm	40mm	35mm	25mm
	ZEM32M14	3 WAY	1	M8X1 (2)	M8X1 (1)	1	-		39mm	17mm	13mm
	ZEM32M16	3 WAY	1	M10X1 (2)	M8X1 (1)	1	-		39mm	17mm	13mm
	ZEM32M18	3 WAY	1	M14X1.5 (2)	M8X1 (1)	1	-		48mm	20mm	18mm
	34539-1	4 WAY	2	M8X1 (2)	M8X1 (2)	1	-		49mm	17mm	13mm
	34539-2	4 WAY	2	M10X1 (2)	M8X1 (2)	1	-		52mm	17mm	13mm
	ZEM32M28	4 WAY	2	M14X1.5 (2)	M8X1 (2)	1	-		61mm	20mm	18mm
	34540-1	5 WAY	3	M8X1 (2)	M8X1 (3)	1	-		62mm	17mm	13mm
	ZEM32M36	5 WAY	3	M10X1 (2)	M8X1 (3)	1	-		65mm	17mm	13mm
	ZEM32M38	5 WAY	3	M14X1.5 (2)	M8X1 (3)	1	-		74mm	20mm	18mm
	ZEM32M46	6 WAY	4	M10X1 (2)	M8X1 (4)	1	-		78mm	17mm	13mm
	ZEM32M54	7 WAY	5	M8X1 (2)	M8X1 (5)	1	-		88mm	17mm	13mm
	ZEM32M56	7 WAY	5	M10X1 (2)	M8X1 (5)	1	-		91mm	17mm	13mm
	ZEM32M58	7 WAY	5	M14X1.5 (2)	M8X1 (5)	1	-		100mm	20mm	18mm
	ZEM32M66	8 WAY	6	M10X1 (2)	M8X1 (6)	2	39mm		104mm	17mm	13mm
	ZEM32M76	9 WAY	7	M10X1 (2)	M8X1 (7)	2	39mm		117mm	17mm	13mm
	ZEM32M86	10 WAY	8	M10X1 (2)	M8X1 (8)	2	52mm		130mm	17mm	13mm
	ZEM32M96	11 WAY	9	M10X1 (2)	M8X1 (9)	2	52mm		143mm	17mm	13mm
	ZEM32M106	12 WAY	10	M10X1 (2)	M8X1 (10)	2	78mm		156mm	17mm	13mm
	DRAWINGS										
											

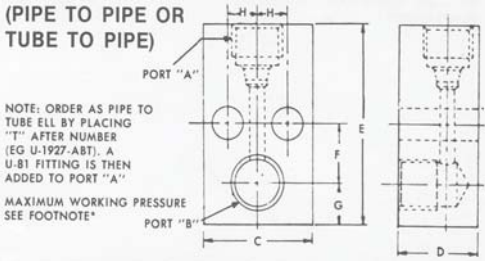
	BDI PART #	TYPE	OUTLETS	THREADS		MOUNTING HOLES		Ø DIA.	DIMENSIONS		
				INLETS	OUTLETS	#	SPACING		LENGTH	HEIGHT	WIDTH
ZEM Junctions  Aluminum Alloy Single sided	ZEM33M26	4 WAY	2	M10X1 (2)	M10X1 (2)	1	-	4.3mm	58mm	20mm	18mm
	ZEM33M66	8 WAY	6	M10X1 (2)	M10X1 (6)	2	68mm		126mm	20mm	18mm
	ZEM33M86	10 WAY	8	M10X1 (2)	M10X1 (8)	2	102mm		160mm	20mm	18mm
	ZEM33M126	14 WAY	12	M10X1 (2)	M10X1 (10)	2	170mm		228mm	20mm	18mm
DRAWINGS											
											

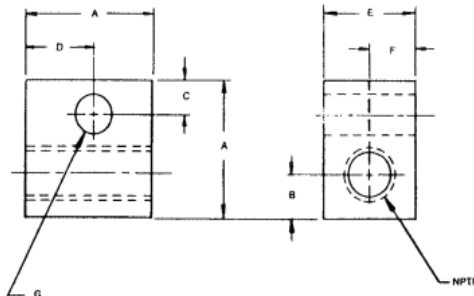
		THREADS				MOUNTING HOLES		DIMENSIONS			
BDI PART #		TYPE	OUTLETS	INLETS	OUTLETS	#	SPACING	Ø DIA.	LENGTH	HEIGHT	WIDTH
ZEM Junctions	ZEM32M54D	7 WAY	5	M8X1 (2)	M8X1 (5)	1	-	4.3mm	62mm	17mm	13mm
	34541-2	7 WAY	5	M10X1 (2)	M8X1 (5)	1	-		65mm	17mm	13mm
	ZEM32M58D	7 WAY	5	M14X1.5 (2)	M8X1 (5)	1	-		74mm	20mm	18mm
DRAWINGS											
 The technical drawing illustrates the dimensions of a ZEM Junction. The side view (left) shows a component with a total length of 26mm. It features a central circular feature with a diameter of $\phi 7.40$ typical and a depth of $\nabla 2.8$. A mounting hole with a diameter of $\phi 4.30$ typical is shown through the component. The top view (right) shows a square footprint with a height of 10.50mm and a width labeled as WIDTH. The overall length is labeled as LENGTH.											

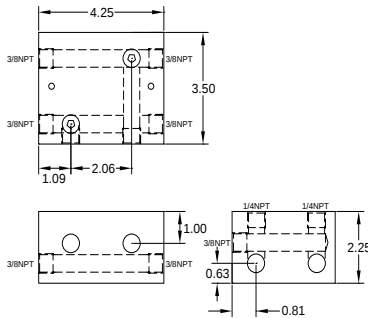


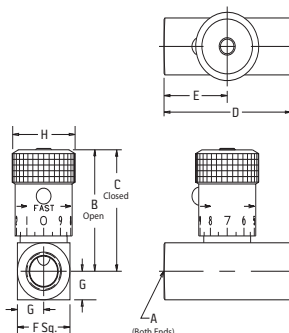
Aluminum Alloy
Double sided

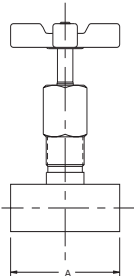
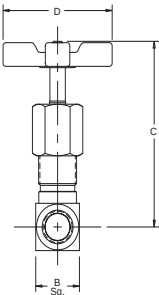
	BDI PART #	TYPE	OUTLETS (TUBE)	#	MOUNTING HOLES Ø DIA.	INCLUDES 6PCS
Anchor Blocks Dualine	U1008DD	6 WAY	3/8	1	9/32"	U81D3
	DRAWINGS					
						
Includes fittings and mounting screw						
Max 6000psi for pipe						

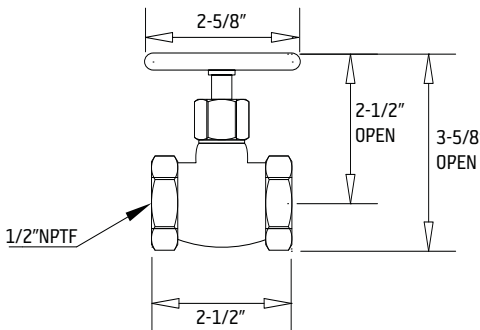
	BDI PART #	PORT A		PORT B		DIMENSIONS						MOUNTING HOLES	
		PIPE SIZE	TUBE SIZE	U-81 NO.	PIPE SIZE	C	D	E	F	G	H	#	Ø DIA.
Anchor Ell  Includes mounting screws Max 6000psi for pipe "T" Type includes U-81 fittings	U1927A	1/8	3/16	U81AA1	1/8	7/8	5/8	1-1/2	7/16	5/16	15/64	2	15/64
	U1927AB	1/4	1/4	U81B2	1/8	1-1/4	7/8	1-7/8	1/2	3/8	11/32	2	9/32
	U1927B	1/4	1/4	U81B2	1/4	1-1/4	7/8	1-7/8	1/2	3/8	11/32	2	9/32
	U1927C	3/8	3/8	U81D3	3/8	1-1/2	1-1/4	2-1/8	1/2	1/2	1/2	2	9/32
	U1927AT	1/8	3/16	U81AA1	1/8	7/8	5/8	1-1/2	7/16	5/16	15/64	2	15/64
	U1927ABT	1/4	1/4	U81B2	1/8	1-1/4	7/8	1-7/8	1/2	3/8	11/32	2	9/32
	U1927BT	1/4	1/4	U81B2	1/4	1-1/4	7/8	1-7/8	1/2	3/8	11/32	2	9/32
	U1927CT	3/8	3/8	U81D3	3/8	1-1/2	1-1/4	2-1/8	1/2	1/2	1/2	2	9/32
DRAWINGS													
													

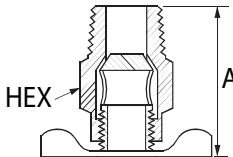
	BDI PART #	THREADS		DIMENSIONS					
		NPTF	A	B	C	D	E	F	G
Anchor Blocks Straight  180° NPTF tapped holes	BLK11688A	1/8	1-1/2	9/16	9/32	3/4	1	1/2	9/32
	BLK11689A	1/4	1-1/2	9/16	9/32	3/4	1	1/2	9/32
	BLK11690A	3/8	1-1/2	9/16	9/32	3/4	1-1/4	5/8	9/32
DRAWINGS									
									

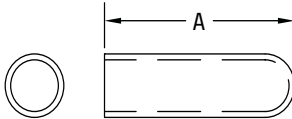
	BDI PART #	TYPE	OUTLETS (TUBE)	MOUNTING HOLES	
				#	Ø DIA.
Anchor Tee Pipe  Includes mounting screws Max 6000psi for pipe	U1022C	6 WAY	3/8NPT	2	11/32"
	DRAWINGS				
					

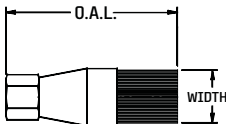
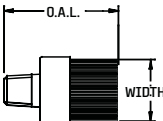
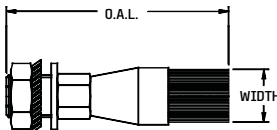
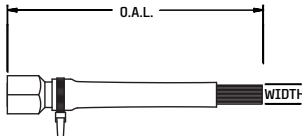
	BDI PART #	THREADS	PRESSURE	DIMENSIONS							
		NPTF	MAX PSI	A	B	C	D	E	F	G	H
Adjustable Needle Valve  Max Temp: -40° to 250°F (-40° to 121°C)	VAL14074A	1/2	5000	1/2NPTF	2.7"	2.42"	2.62"	1.31"	1.25"	0.62"	1.19"
	DRAWINGS										
											

	BDI PART #	THREADS	PRESSURE	DIMENSIONS			
			MAX PSI	A	B	C	D
Shut-off needle valve  Temp Range: 1/8 -40° to 300°F (-40° to 148°C) 1/4 -40° to 250°F (-40° to 121°C) 1/2 -40° to 500°F (-40° to 260°C)	B10233	1/8 NPT	600	1.75"	0.6"	1.875"	1.0"
	VAL13117A	1/4 NPTF	5000	2.0"	0.81"	3.21"	2.0"
	VAL11342A	3/8 NPTF	10,000	2.25"	1.37"	4.0"	2.25"
	U972D	1/2 NPTF	10,000	2.75"	1.12"	3.62"	2.50"
	DRAWINGS						
 							

	THREADS		PRESSURE	DIMENSIONS			
	BDI PART #	NPTF	MAX PSI	A	B	C	D
Adjustable Flow Restrictor	LB9425	1/2	10,000 @70°	2.0"	0.81"	3.21"	2.0"
 Max Temp: 500°F (260°C)	DRAWINGS						
							

BDI PART #		THREADS	PRESSURE	DIMENSIONS	
		NPT	MAX PSI	A	HEX
Drain Valve  Brass Max Temp: 250°F (121°C)	HP609	1/8NPT	150	0.8"	0.437"
	U127B	1/4NPT	150	1.41"	.562"
	DRAWINGS				
					

BDI PART #		USED ON PRODUCT	MATERIAL	APPLICATION	A	
					INCH	MM
Indicator Cover Caps 	U1732A	DD20	VINYL	INDICATOR STEM	1.25	31.7
	U1732D	DM30, DM40, FL-1, FL44			1.5	38.1
	U1732E	DD50, DM50, FL11, FL45			2.0	50.8
	U1732F	DM60	2.25		57.1	
	27335	FL32, FL33, FL42, FL43	VINYL	MEASURING CHAMBER	1.25	31.2
	CAP13896A	FL-1, FL44	ALUMINUM	INJECTOR BODY	3.25	82.6
	DRAWINGS					
						

BDI PART #		THREAD		O.A.L.	BRUSH		MATERIAL	STYLE
		TYPE	SIZE		WIDTH	TYPE		
Brushes  	50955	FEMALE	1/8NPTF	3.75"	0.28"	ROUND	NYLON	4
	7108312	MALE	1/8NPT		0.75"	FLAT	STAINLESS STEEL	2
	B7492	FEMALE	1/8NPTF	2.75"	0.75"	FLAT	NYLON	1
	B7490	FEMALE	1/8NPTF	2.875"	0.75"	FLAT	NYLON	1
	B7488	FEMALE	1/8NPTF	2.25"	0.75"	FLAT	NYLON	1
	B7488L	FEMALE	1/8NPTF	2.25"	0.75"	FLAT	BRASS	1
	803-10	MALE	1/8NPT	1.875"	1.0"	ROUND	NYLON	2
	AR1473	FEMALE	1/8NPTF	2.25"	1.18"	FLAT	NYLON	1
	803-11	MALE	1/8NPT	1.875"	1.75"	FLAT	NYLON	2
	B7491	FEMALE	5/16-24	2.25"	0.75"	FLAT	NYLON	3
	45398	MALE	1/8BSPP	49MM	10MM	FLAT	NYLON	2
	73490-8283	FEMALE	M10X1	52MM	20MM	FLAT	NYLON	1
DRAWINGS								
 STYLE 1  STYLE 2  STYLE 3  STYLE 4								

Temp. Range:

Nylon

-22° to 203° F

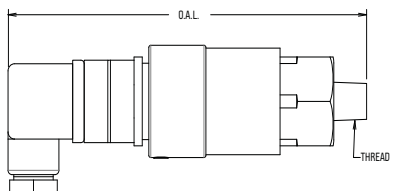
(-30° to 95° C)

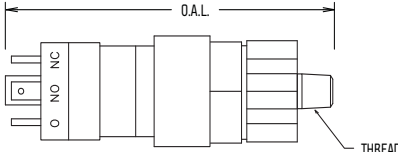
Metal

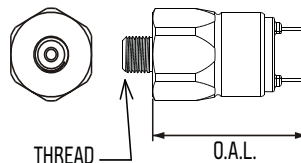
-22° to 572° F

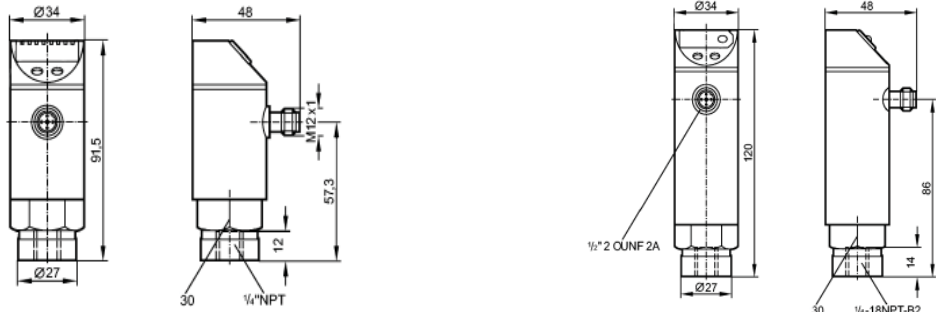
(-30° to 300° C)

	BDI PART #	PRESSURE PSI	PRESSURE BAR	PRESSURE RANGE	THREAD	CONTACT STATE	CONTACT TYPE	ELECTRIC CONN.	VOLTAGE VOLTAGE	RATING AMPS	SET POINT TYPE	ENCL. RATING	DIM O.A.L.

	BDI PART #	PRESSURE		PRESSURE RANGE	THREAD	CONTACT		ELECTRIC CONN.	VOLTAGE RATING		SET POINT TYPE	ENCL. RATING	DIM O.A.L.
		PSI	BAR			STATE	TYPE		VOLTAGE	AMPS			
Pressure Switch DIN style  Temp Range: -40° to 225°F (-40° to 107°C) *Resistive	26641-2	45	3.1	FIXED	1/8NPT	N.O.	SPST	DIN 43650A	125/250VAC	10	FALLING	IP65	4.0"
									30VDC	5			
	26641-3	55	3.8	FIXED	1/8NPT	N.O.	SPST	DIN 43650A	125/250VAC	10	RISING	IP65	4.0"
									30VDC	5			
	26641-3	55	3.8	FIXED	1/8NPT	N.O.	SPST	DIN 43650A	125/250VAC	10	RISING	IP65	4.0"
									30VDC	5			
	26772-2	225	15.5	FIXED	1/8NPT	N.O./N.C	SPDT	DIN 43650A	125/250VAC	10	R/F	IP65	3.7"
									30VDC	5*			
	34210	300	20	FIXED	1/8NPT	N.O./N.C.	SPDT	DIN 43650A	125/250VAC	10	R/F	IP65	3.7"
									30VDC	5*			
	29171	739	51	145-1450	1/4NPT	N.O./N.C	SPDT	DIN 43650A	250VAC	6	RISING	IP65	3.5"
	35652	3500	241	FIXED	1/4NPT	N.O./N.C.	SPDT	DIN 43650A	125/250VAC	5	RISING	IP65	5.3"
									30VDC				
DRAWINGS													
													

	BDI PART #	PRESSURE PSI	PRESSURE BAR	PRESSURE RANGE	THREAD	CONTACT STATE	CONTACT TYPE	ELECTRIC CONN.	VOLTAGE RATINGS	SET POINT TYPE	ENCL. RATING	DIM O.A.L.	
Pressure Switch Form 43650A DIN 	27445-3	1000	68.9	500-4700 PSI	1/4NPT	N.O./N.C.	SPDT	DIN TERM A	5A(R)~5A(I) 125/250VAC 5A(R)~3A(I) 30VDC 0.5A(R)~0.25A(I) 125VDC 5mA 6VDC 2mA 12VDC 1mA 24VDC	RISING	NEMA 4	4.4"	
	27444-1	50	3.4	4-50 PSI	1/8NPT	N.O./N.C.	SPDT	DIN TERM A		RISING	NEMA 4	4.1"	
	27444-2	70	4.8	15-150 PSI	1/8NPT	N.O./N.C.	SPDT	DIN TERM A		RISING	NEMA 4	4.1"	
	27444-3	100	6.8	30-600 PSI	1/8NPT	N.O./N.C.	SPDT	DIN TERM A		RISING	NEMA 4	4.1"	
	35409	1500	103	FIXED	1/4NPT	N.O./N.C.	SPDT	DIN TERM A	250VAC	5	RISING	NEMA 4	4.1"
									30VDC	5*			
DRAWINGS													
Temp Range: 0° to 160°F (-18° to 71°C) See page 72 for DIN Connectors *Resistive  													

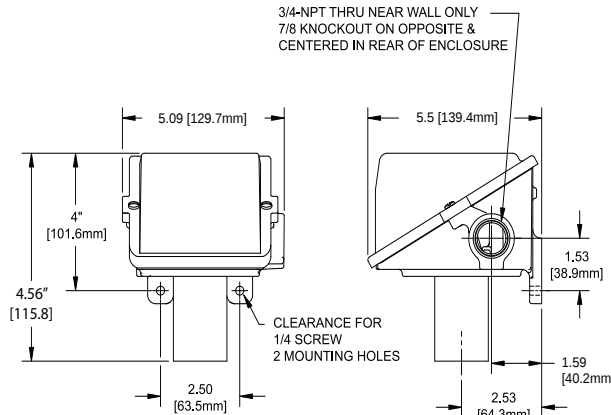
	BDI PART #	PRESSURE		PRESSURE	THREAD	CONTACT		ELECTRIC	VOLTAGE RATINGS		SET POINT	ENCL.	DIM
		PSI	BAR	RANGE		STATE	TYPE	CONN.	VOLTAGE	AMPS	TYPE	RATING	O.A.L.
Pressure Switch Spade style  Temp Range: -40° to 225°F (-40° to 107°C) *Resistive	26393	7	.48	FIXED	1/8NPT	N.C.	SPST	2 SPADES	250VAC 30VDC	5 5*	FALLING	IP65	2.6"
	A4308	8	.50	FIXED	1/8NPT	N.C.	SPST	1 SPADE	250VAC	5	RISING	-	2.0"
	HE825	10	.68	FIXED	1/8NPT	N.O.	SPST	2 SPADES	240VAC	5	RISING	-	1.9"
	HE855	10	.68	FIXED	1/8NPT	N.C.	SPST	2 SPADES	240VAC	5	RISING	-	1.9"
	23545	20	2	FIXED	1/8NPT	N.O.	SPST	2 SPADES	220VAC 42VDC	4	RISING	IP65	2.16"
	23536	230	16	FIXED	1/8NPT	N.O.	SPST	2 SPADES	42VDC	4*	RISING	IP65	2.2"
	23472	290	20	FIXED	1/8NPT	N.O.	SPST	2 SPADES	220VAC 42VDC	4	RISING	IP65	2.2"
	34241-8823	217	15	145-725PSI	M10X1T	N.O./N.C.	SPDT	4 SPADES	250VAC	4	RISING	IP65	2.3"
	DRAWINGS												
													

	BDI PART #	PRESSURE PSI	PRESSURE BAR	PRESSURE MPa	THREAD	CONTACT STATE	ELECTRIC CONN.	MAX VOLTAGE	AMPS @MAX	ENCL. RATING	DIM O.A.L.	ENCL. RATING	DIM O.A.L.
Pressure Switch Digital  Temp Range: -40° to 225°F (-40° to 107°C)	29921	10-1440	0-100	0-10	1/4NPTF	N.O./N.C PNP	M12 4POLE	18-36VDC	250mA	IP67	3.6"	NEMA 4	4.4"
	34312	10-1440	0-100	0-10	1/4NPTF	N.O./N.C.	1/2-UNF 5PIN	90-250VAC	2.5	IP67	4.7"	NEMA 4	4.1"
DRAWINGS													
													

BDI PART #	DECREASING PRESSURE		INCREASING PRESSURE		DEAD- BAND	PROOF PRES- SURE	THREAD	CONTACT		ELEC. CONN.	VOLTAGE RATING (CONTINUOUS INDUCTIVE)		
	PSI	BAR	PSI	BAR				STATE	TYPE		VOLTAGE	AMPS	
Pressure Switch	U620D1	250- 2650	17- 180.3	280- 3000	19- 204.1	30-350 PSI	7000 PSI	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250/480VAC	10
												6VDC	15
DRAWINGS													
Technical drawing of the U620D1 Pressure Switch. The drawing shows a side view of the device with the following dimensions and features: - Top width: 4.5625" - Top right feature: 1/4"-28N.F. ADJUSTMENT SCREW - Right side height (from top flange to bottom flange): 6.75" - Left side height (from bottom flange to top flange): 4.375" - Bottom right height (from bottom flange to top flange): 3.06" - Bottom width: 2.0" - Bottom feature: 1/4NPTF INLET													

NEMA 3
UL & CSA

Temp Range:
-20° to 165°F
(-29° to 74°C)

	BDI PART #	PRESSURE		THREAD	CONTACT		ELECTRIC CONNECTION	VOLTAGE RATING (RESISTIVE)	
		PSI	BAR		STATE	TYPE		VOLTAGE	AMPS
Pressure Switch	39669	0-100	0-6.9	1/4NPTF	N.O./N.C.	SPDT	3/4NPTF & 7/8 KNOCKOUT(2)	125/250/480VAC	15
	DRAWINGS								
	Two SPDT Outputs NEMA 4X UL, CSA & CE Temp Range: -40° to 160°F (-40° to 71°C) 3/4-NPT THRU NEAR WALL ONLY 7/8 KNOCKOUT ON OPPOSITE & CENTERED IN REAR OF ENCLOSURE 								

Two SPDT Outputs

NEMA 4X
UL, CSA & CE

Temp Range:
-40° to 160°F
(-40° to 71°C)

Pressure Switch											
BDI PART	PSI	BAR	PRESSURE ACTUATION DIFFERENTIAL		MAX SURGE	THREAD	CONTACT STATE	CONTACT TYPE	ELEC.CONN.	VOLTAGE(INDUCTIVE) VOLTAGE AMPS	
U6636	400-3000	27.5-206.8	210-400 PSI		10000PSI	3/8NPTF	N.O./N.C.	SPDT	1/2NPTF	110VAC	15
										220VAC	10
										440VAC	6
										115VDC	0.25

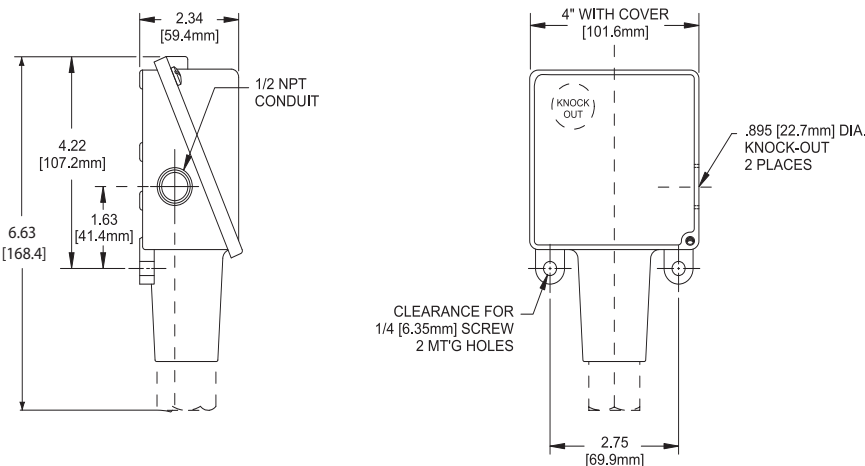


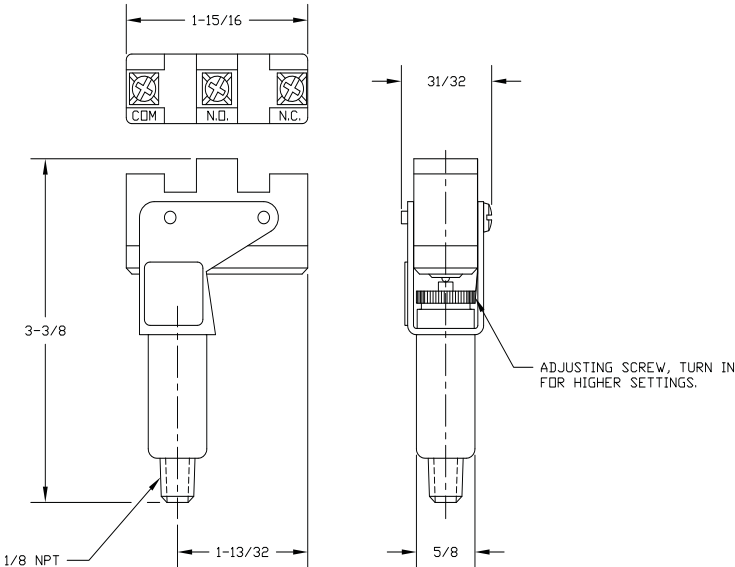
NEMA 4 & 13
UL, CSA, CE

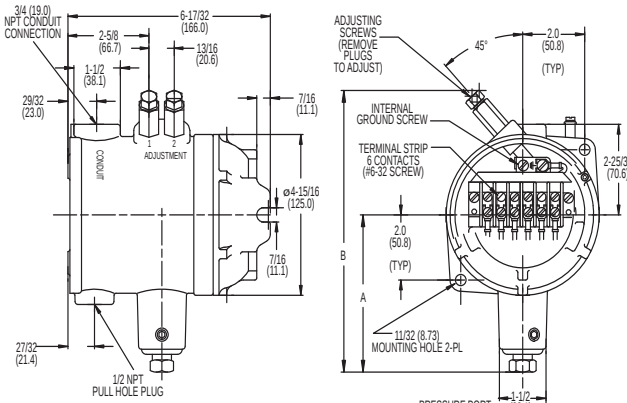
Temp Range:
14° to 122°F
(-10° to 50°C)

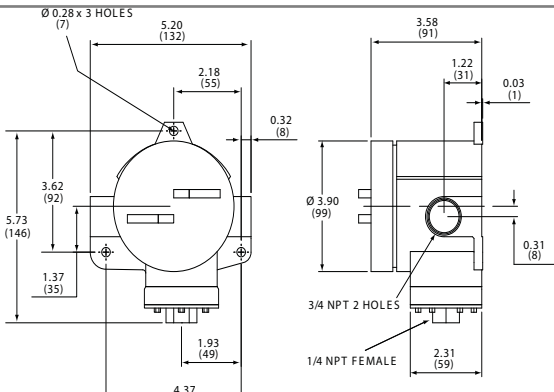
NEMA 4 & 13
UL, CSA, CE

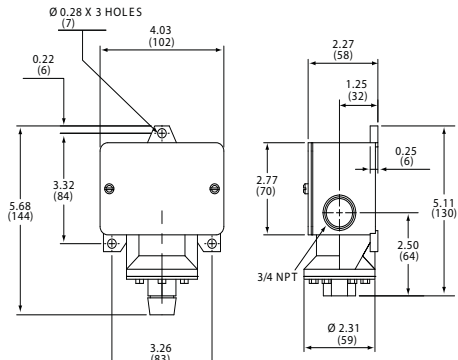
Temp Range:
14° to 122°F
(-10° to 50°C)

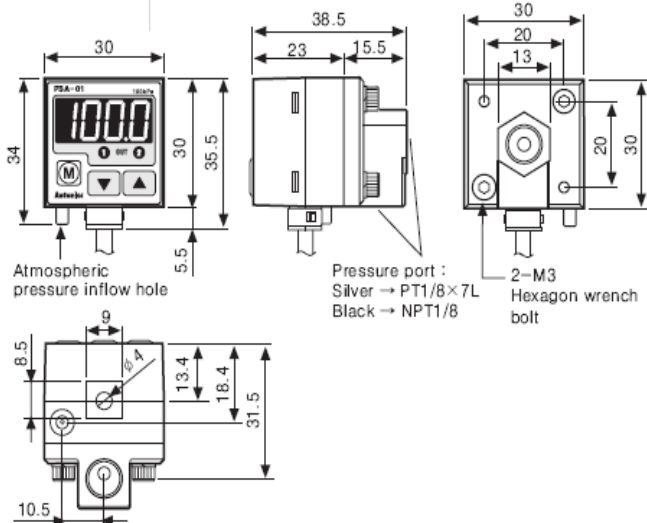
	BDI PART #	PRESSURE		THREAD	CONTACT		ELECTRIC CONNECTION	VOLTAGE RATING(RESISTIVE)		APPROX.DEAD-BAND
		PSI	BAR		STATE	TYPE		VOLTAGE	AMPS	
Pressure Switch  NEMA 4X UL, CSA & CE Temp Range: -40° to 160°F (-40° to 71°C)	26792	3-100	0.2-6.9	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF & 7/8 KNOCKOUT(2)	125/250/480VAC	15	1 TO 4PSI
	26793	9-300	0.6-20.7	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF & 7/8 KNOCKOUT(2)	125/250/480VAC	15	1 TO 5PSI
	DRAWINGS 									

	BDI PART #	PRESSURE		PRESSURE RANGE	THREAD	CONTACT		ELEC. CONN.	VOLTAGE (RESISTIVE)		SET POINT TYPE	DIM O.A.L.
		PSI	BAR			STATE	TYPE		VOLTAGE	AMPS		
Pressure Switch Open Frame  UL, cUL, CE Temp Range: -40° to 160°F (-40° to 71°C)	HE829	10	.69	0-240 PSI	1/8NPT	N.O./N.C.	SPDT	3-TERM	125/250VAC	15	RISING	3.375"
	DRAWINGS 											

BDI PART #	DECREASING PRESSURE		INCREASING PRESSURE		THREAD	CONTACT		ELEC. CONN.	VOLTAGE	AMPS	ENCL. RATING	
	PSI	BAR	PSI	BAR		STATE	TYPE					
Pressure Switch Explosion Proof Diaphragm	SWT13299A	1.5-144	0.1-9.8	7.5-150	0.5-102	1/4NPTF	N.O./N.C.	SPDT	3/4NPTF	125/250VAC	10	NEMA 4,7,9
										480VAC	3	
 Dual Set Point UL/CSA Temp Range: -65° to 165°F (-54° to 74°C) 												

BDI PART	PRESSURE RANGE		PRESSURE RATINGS(PSI)			THREAD	CONTACT		CONNECTION	VOLTAGE	AMPS	
	PSI	BAR	STATIC	PROOF	DEADBAND		STATE	TYPE				
Pressure Switch Explosion Proof 	24383	10-100	.69-6.9	1000	4000	4-10	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF (3/4NPT BUSH- ING)	125/250VAC	15
DRAWINGS												
												

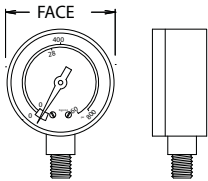
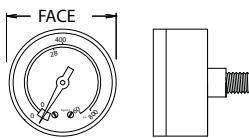
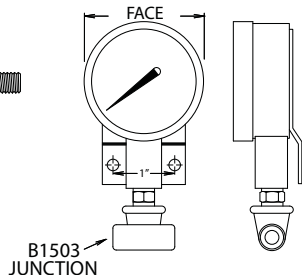
BDI PART #	PRESSURE RANGE		PRESSURE RATINGS(PSI)			THREAD	CONTACT		ELEC. CONN.	VOLTAGE	AMPS
	PSI	BAR	STATIC	PROOF	DEADBAND		STATE	TYPE			
Pressure Switch	26084	0-60	0-4.1	500	2000	1/2NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250VAC	15
	17915	40-200	2.7-13.7	1000	4000	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250VAC	15
 NEMA 3,4,4X,13, IP66 UL, CSA Temp Range: 0° to 150°F (-17° to 65°C) DRAWINGS 											

	BDI PART #	PRESSURE		THREAD	CONTACT		ELECTRIC CONN.	MAX VOLTAGE	AMPS @MAX	ELEC. RATING	DIM O.A.L.	NOTES
		PSI	BAR		STATE	TYPE						
Air Pressure Switch Digital	29088	0-145	0-10	1/8BSPT	N.O./N.C	NPN	CABLE GLAND(4MM)	12-24VDC	50mA	IP40	1.6"	DIGITAL
	29089	0-145	0-10	1/8NPTF	N.O./N.C	NPN	CABLE GLAND(4MM)	12-24VDC	50mA	IP40	1.6"	DIGITAL
DRAWINGS												
												
CE												
Temp Range: 14° to 122°F (-10° to 50°C)												
												

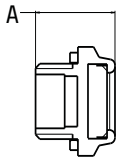
	BDI PART #	PRESSURE		THREAD	CONTACT		ELEC.CONN.	VOLTAGE RATING(INDUCTIVE)		ENCL. RATING	DIM O.A.L.	WIRE CODING
		PSI	BAR		STATE	TYPE		VOLTAGE	AMPS			
Air Pressure Switch Diaphragm	U623	1.5-150	.1-10	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250VAC	10	NEMA 4	4.0"	RED = N.O. BLUE = N.C. PURPLE = COMMON
								460VAC	3			
								28VDC	5			
DRAWINGS												
3 FREE LEADS 18" LONG 1/2 NPS CONDUIT CONNECTION 45° 1-13/16 (46.0) PRESSURE PORT 3-31/32 (92.9) 3-31/32 (101) 1-1/8 (28.6) 2-1/4 (57.1) 13/64 (5.16) Ø 1/5 (5.16) MOUNTING HOLE 2 PLACES												

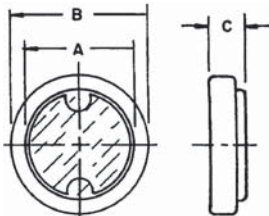
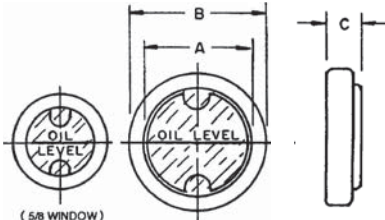
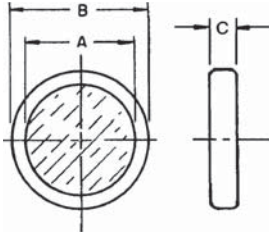
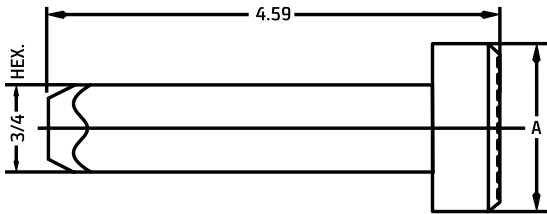
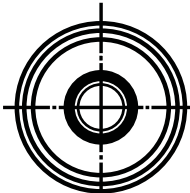


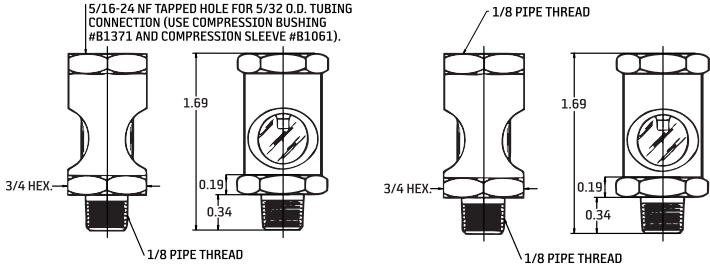
Temp Range:
-65° to 165°F
(-54° to 74°C)

	BDI PART #	SCALE			FACE Inch	MOUNT TYPE	THREAD SIZE	PRESSURE FINGER	LIQUID FILLED	BRACKET 1" CENTER	NOTES
		psi	bar	kPa							
Pressure Gauges 	B4310	30	2	-	2"	LM	1/8NPTF	NO	NO	YES	
	26367	60	-	-	2"	LM	1/8NPTF	NO	NO	YES	INCL RED-ZONE 0-15PSI
	26336	60	-	-	2"	LM	5/16-24F	NO	NO	YES	INCL RED-ZONE 0-15PSI
	32806	100	-	-	1.5"	CBM	1/8NPT	NO	NO	NO	
	B10114	100	7	-	1.75"	CBM	1/8NPT	NO	NO	NO	
	B4340	100	7	-	2"	LM	1/8NPTF	NO	NO	NO	
	B4363	100	7	-	2"	LM	1/8NPTF	NO	NO	YES	
	B5609	100	7	-	2"	LM	1/8NPTF	YES	NO	NO	
	B5610	100	7	-	2"	LM	1/8NPTF	YES	NO	YES	
	B4691	100	7	-	2.5"	CBM	1/8NPT	NO	NO	NO	PANEL MOUNT/90° FTG GAUGE
	B6920	100	7	-	2.5"	CBM	1/8NPT	NO	NO	NO	PANEL MOUNT
	B4745	100	-	-	2"	LM	5/16-24	NO	NO	YES	
	B5612	100	7	-	2"	LM	5/16-24	YES	NO	YES	
	B4364	100	7	-	2"	LM	5/16-24F	NO	NO	YES	INCL JUNCTION B1503
	B4360	100	7	-	2"	LM	5/16-24F	NO	NO	YES	
	B5613	100	7	-	2"	LM	5/16-24F	YES	NO	YES	INCL JUNCTION B1503
	B5611	100	7	-	2"	LM	5/16-24F	YES	NO	YES	
	32657	160	11	-	1.5"	CBM	1/8NPT	NO	NO	NO	INCL SCALE: Hg 0-30"
	27228	160	-	-	1.5"	CBM	1/8NPT	NO	NO	NO	
	F275Y160M	160	-	-	2"	CBM	1/8NPT	NO	NO	NO	
	23522	160	11	-	2"	LM	1/8NPT	NO	NO	NO	
	U902H	160	-	1100	2.62"	LM	1/8NPT	NO	YES	NO	
	23572	160	11	-	38MM	CBM	1/8NPT	NO	NO	NO	
	27581	200	-	-	1.5"	CBM	1/8NPT	NO	NO	NO	INCL SCALE: Hg 0-30"
	B3839	200	14	-	2"	LM	1/8NPTF	NO	NO	NO	
	B4581	200	14	-	2"	LM	1/8NPTF	YES	NO	NO	
	B4583	200	14	-	2"	LM	1/8NPTF	YES	NO	YES	INCL JUNCTION B1503
	B5614	200	14	-	2"	LM	1/8NPTF	YES	NO	YES	
	B4895	200	14	-	2"	LM	5/16-24	YES	NO	YES	
	B4582	200	14	-	2"	LM	5/16-24F	YES	NO	YES	
DRAWINGS											
LM - LOWER MOUNT  CBM - CENTER BACK MOUNT  LM - GAUGE WITH BRACKET 											

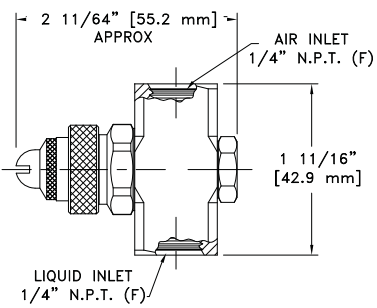
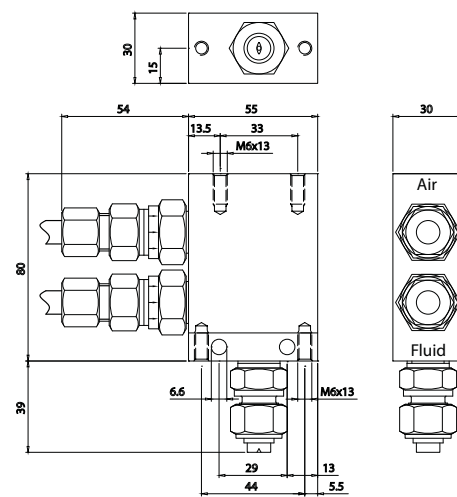
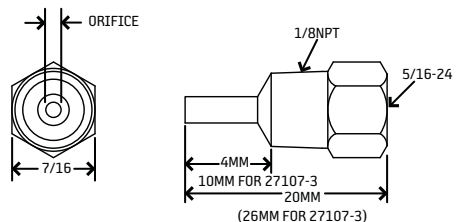
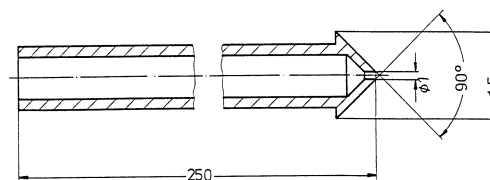
	BDI PART #	SCALE				FACE Inch	MOUNT TYPE	THREAD SIZE	PRESSURE FINGER	LIQUID FILLED	BRACKET 1" CENTER	NOTES
		psi	bar	kPa	kg-cm ²							
Pressure Gauges (Continued) 	B7311	200	-	-	-	2.5"	CBM	1/8NPT	NO	NO	NO	PANEL MOUNT
	A4297	300	-	-	-	1.5"	LM	1/8NPT	NO	NO	NO	
	60528	300	20	-	-	1.5"	LM	1/8NPT	NO	YES	NO	
	23821	-	25	-	-	40MM	CBM	1/8NPT	NO	NO	NO	
	75111M015	360	25	-	-	63MM	CBM	1/4BSPP	NO	YES	NO	
	24693	400	-	-	28	1.5"	CBM	1/8NPT	NO	NO	NO	
	B9971	400	28	-	-	1.5"	LM	1/8NPT	NO	NO	NO	
	75111-2323	-	40	-	-	40MM	LM	6MM-T	NO	NO	NO	6MM STANDPIPE CONNECTION
	23814	580	40	-	-	40MM	CBM	1/8NPT	NO	NO	NO	
	19721	600	40	-	-	1.5"	LM	1/8NPT	NO	NO	NO	
	21807	800	-	-	60	2"	LM	1/8NPT	NO	NO	NO	
	27620	800	-	-	60	2"	LM	1/8NPT	NO	NO	NO	
	23411	870	60	-	-	2"	LM	1/8NPT	NO	NO	NO	
	24541	1000	69	-	-	1.5"	CBM	1/8NPT	NO	NO	NO	
	23795	1000	69	-	-	1.5"	CBM	1/8NPT	NO	NO	NO	3PH KIT FOR SF PDI
	20134	1000	-	-	70	2"	LM	1/8NPT	NO	NO	NO	
	U902J	2000	-	14000	-	2.12"	LM	1/8NPT	NO	YES	NO	
	B10085	3000	207	-	-	2.5"	LM	1/4NPT	NO	YES	NO	
	U902D	3000	-	21000	-	2.62"	LM	1/4NPT	NO	YES	NO	
	U902DB	3000	-	21000	-	2.62"	CBM	1/4NPT	NO	NO	NO	
	U902F	5000	-	35000	-	2.62"	LM	1/4NPT	NO	YES	NO	
	U902FB	5000	-	35000	-	2.62"	CBM	1/4NPT	NO	YES	NO	
	GAG13347A	5000	-	34000	-	4"	LM	1/4NPT	NO	YES	NO	
	751119463	-	400	-	-	62MM	LM	1/4BSPP	NO	YES	NO	

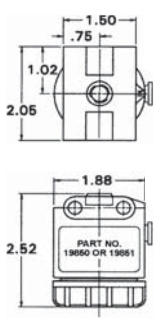
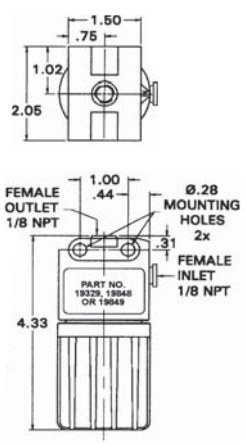
	BDI PART #	THREADS	PRESSURE MAX PSI	HEX SIZE	LENS DIAMETER	DIMENSION A	LENS MATERIAL	PLUG MATERIAL	
Oil Level Sight Plugs  Max temp: LSPB 500°F (260°C) AX 266°F (130°C)	LSPB 38	3/8NPT	400	3/4"	7/16"		GLASS	COLD ROLLED STEEL	
	LSPB 50	1/2NPT	250	7/8"	5/8"				
	LSPB 75	3/4NPT	200	1-1/8"	3/4"				
	LSPB 100	1NPT	100	1-3/8"	1"				
	LSPB 125	1-1/4NPT	60	1-3/4"	1-3/16"				
	AX21145	1/4BSPP	58	17mm	8mm	15mm	PLEXI-GLASS	ALUMINUM	
	AX21150	3/8BSPP		22mm	11mm	16mm			
	AX21155	1/2BPSS		27mm	15mm	17mm			
	AX21160	3/4BSPP		32mm	20mm	20mm			
	AX21165	1BSPP		40mm	25mm	24mm			
	AX21170	1/4BSPP		50mm	33mm	24mm			
	AX21175	1/2BSPP		55mm	38mm	24mm			
	DRAWINGS								
A									

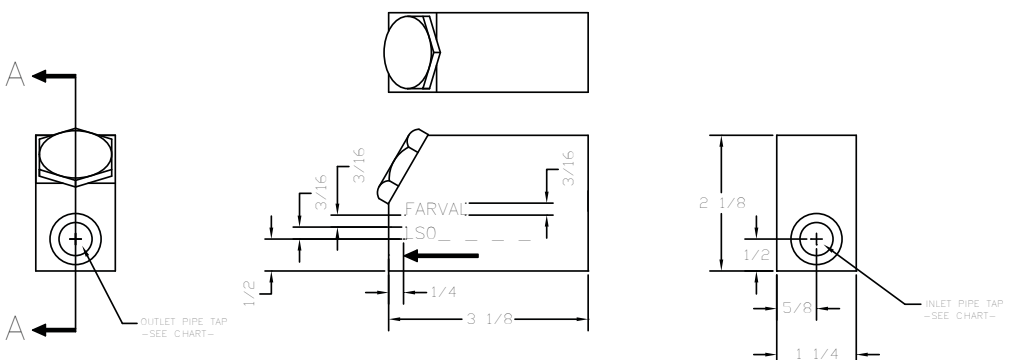
		BDI PART #	DIMENSIONS			TYPE	ASSEMBLY PUNCH #	NOTES
		I.D.(A)	O.D.(B)	W.(C)	(Previous Plastic Style BIJUR Part Number:)			
Window Units  Material: Glass window Chrome plated brass Max Temperature: 300°F (148°C) Installation Punch: 	B5184	5/8"	7/8"	19/64"	Standard	B5026 (0.875" Hole Dia. +.002/-0)	B4900	
	B5944	5/8"	7/8"	19/64"	Level		B5095	
	B5602	5/8"	7/8"	19/64"	Open		B5104	
	B5108	1"	1-1/4"	11/32"	Standard	B5049 (1.250" Hole Dia. +.002/-0)	B4904	
	B5631	1"	1-1/4"	11/32"	Level		B5093	
	B5603	1"	1-1/4"	11/32"	Open		B5102	
	B5145	1-1/4"	1-1/2"	3/8"	Standard	B5051 (1.500" Hole Dia. +.002/-0)	B4908	
	B5734	1-1/4"	1-1/2"	3/8"	Level		B5091	
	B5604	1-1/4"	1-1/2"	3/8"	Open		B5100	
	B5582	1-3/4"	2"	3/8"	Standard	B5179 (2.000" Hole Dia. +.002/-0)	B5171	
	B5191	1-3/4"	2"	3/8"	Level		B5175	
B5605	1-3/4"	2"	3/8"	Open	B5177			
20233	1-3/4"	2"	3/8"	Level	Marked "LUBRIPORT"			
B8265	1-3/4"	2"	3/8"	Open	Marked "LUBRIPORT"			
DRAWINGS								
 STANDARD  LEVEL  OPEN  								

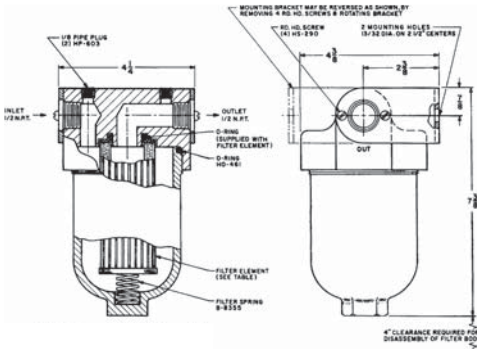
	BDI PART #	THREADS		TYPE
		INLET	OUTLET	
Sight Feeds 	B3491	5/16-24	1/8NPT	VENTED
	B1930	1/8NPTF	1/8NPT	VENTED
	B5730	1/8NPTF	1/8NPT	NON-VENTED
DRAWINGS				
				
B3491 B1930/B5730				

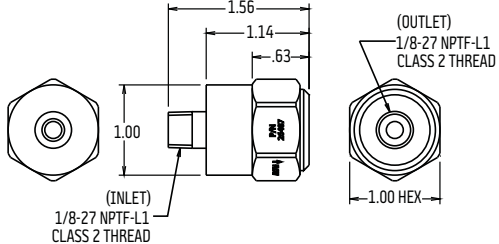
Measurements shown in inches.

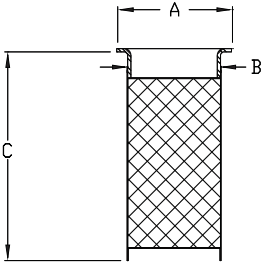
	BDI PART #	INLETS		TYPE	SPRAY PATTERN	ORIFICE SIZE	FIGURE	NOTES
		AIR	OIL					
Nozzles   	AR1758	1/4BSPP	1/4BSPP	GREASE	ROUND		1	STAINLESS, MAX 500PSI
	U922C	1/4NPTF	1/4NPTF	GREASE	ROUND		1	STAINLESS, MAX 500PSI
	U922D	1/4NPTF	1/4NPTF	GREASE	ROUND		1	CLEAN OUT TYPE, MAX 500PSI
	U987	-	-	-	-	-	-	WALL MOUNT ADAPTER FOR U922 (3/4"NPT)
	U943C	-	-	GREASE	ROUND		1	REPLACEMENT NOZZLE FOR U922C
	U943F	-	-	GREASE	FLAT		1	ALTERNATE NOZZLE FOR U922C
	SDU01A00O00	10mm	10mm	GRS/OIL	FLAT / STR		2	SDU Also available with monitoring &/or heating
	SDU03A00O00	10mm	10mm	GRS/OIL	FLAT / 90°		2	
	SDU02A00O00	10mm	10mm	GRS/OIL	ROUND / STR		2	
	SDU04A00O00	10mm	10mm	GRS/OIL	ROUND / 90°		2	
	27107-1	-	5/16-24(F)	OIL	ROUND	2.5MM	3	AIR/OIL
	27107-2	-	5/16-24(F)	OIL	ROUND	1.5MM	3	AIR/OIL
	27107-3	-	5/16-24(F)	OIL	ROUND	2.0MM	3	AIR/OIL
	B5384	-	1/8NPT	OIL	ROUND	0.0145"	4	
	73654-2151	-	4MM TUBE	OIL	ROUND	1.0MM	5	250MM OAL
	73654-2141	-	4MM TUBE	OIL	ROUND	1.0MM	5	150MM OAL
DRAWINGS								
 FIGURE 1  SDU measurements shown in mm. FIGURE 2  FIGURE 3  FIGURE 4								

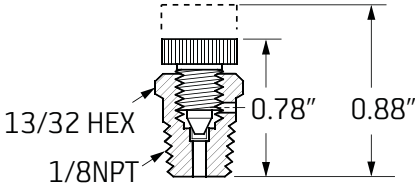
	BDI PART #	MICRON	SIZE	THREADS		MOUNT	REPLACEMENT ELEMENT	REPLACES OLD BIJUR FILTER PART NUMBER:
				INLET	OUTLET			
Inline Filters High Pressure  Max Pressure: 500 psi	43252	5P	1"	1/8NPTF	1/8NPTF	CBM	43254	-
	19850	25P	1"	1/8NPTF	1/8NPTF	CBM	B6527	B7239
	19851	125P	1"	1/8NPTF	1/8NPTF	1/8NPT	B6530	B7243
	19329	10P	3"	1/8NPTF	1/8NPTF	1/8NPT	19325	-
	19848	25P	3"	1/8NPTF	1/8NPTF	1/8NPT	B6890	B7254
	19849	125P	3"	1/8NPTF	1/8NPTF	6MM-T	B6889	B7257
DRAWINGS								
1" Filter Assembly  3" Filter Assembly 								

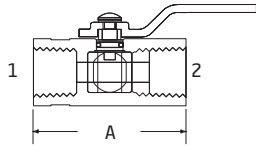
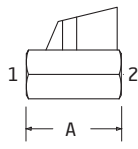
	BDI PART #	MICRON	THREADS		MEDIA	INDICATOR	SWITCH	REPLACEMENT SCREEN
			INLET	OUTLET				
Strainers  Max Pressure: 5000 psi Flow Value: 2 gpm	LS02103	25P	1/4NPTF	1/4NPTF	OIL UP TO 500SSU	NO	NO	LS0205103
	LS02203	25P	1/4NPTF	1/4NPTF	OIL UP TO 500SSU	YES	NO	LS0205103
	LS03103	25P	3/8NPTF	3/8NPTF	OIL UP TO 500SSU	NO	NO	LS0205103
	LS03203	25P	3/8NPTF	3/8NPTF	OIL UP TO 500SSU	YES	NO	LS0205103
	LS032035	25P	3/8NPTF	3/8NPTF	OIL UP TO 500SSU	YES	YES	LS0205103
	LS02106	150P	1/4NPTF	1/4NPTF	OIL UP TO 2000SSU	NO	NO	LS0205106
	LS022065	150P	1/4NPTF	1/4NPTF	OIL UP TO 2000SSU	YES	YES	LS0205106
	LS03106	150P	3/8NPTF	3/8NPTF	OIL UP TO 2000SSU	NO	NO	LS0205106
	LS03206	150P	3/8NPTF	3/8NPTF	OIL UP TO 2000SSU	YES	NO	LS0205106
	LS02120	500P	1/4NPTF	1/4NPTF	OIL OVER 2000SSU & ALL GREASE	NO	NO	LS0205120
	LS022205	500P	1/4NPTF	1/4NPTF	OIL OVER 2000SSU & ALL GREASE	YES	YES	LS0205120
	LS03120	500P	3/8NPTF	3/8NPTF	OIL OVER 2000SSU & ALL GREASE	NO	NO	LS0205120
	LS03220	500P	3/8NPTF	3/8NPTF	OIL OVER 2000SSU & ALL GREASE	YES	NO	LS0205120
	LS032205	500P	3/8NPTF	3/8NPTF	OIL OVER 2000SSU & ALL GREASE	YES	YES	LS0205120
DRAWINGS								
								

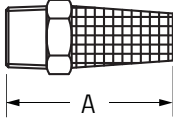
	BDI PART #	MICRON	SIZE	THREADS		FLOW VALUE (Φ)	REPLACEMENT ELEMENT
				INLET	OUTLET		
Inline Filters  Max Pressure: 300 psi	D3489	3P	7.375"	1/2NPTF	1/2NPTF	400,000	B9830
	D3527	12P	7.375"	1/2NPTF	1/2NPTF	1,000,000	B9832
	D3467	25P	7.375"	1/2NPTF	1/2NPTF	1,200,000	B9765
	DRAWINGS 						

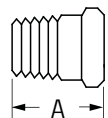
	BDI PART #	MICRON	MAX PSI	THREADS		OIL VISCOSITY	REPLACEMENT ELEMENT
				INLET	OUTLET		
Inline Filters Stainless Steel  Max Temperature: -320°F TO 800°F (-196°C TO 427°C)	D3489	3P	7.375"	1/2NPTF	1/2NPTF	400,000	B9830
	DRAWINGS 						

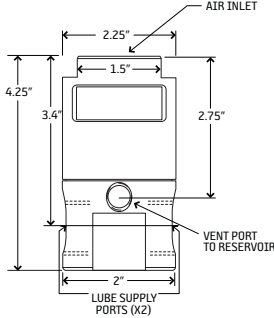
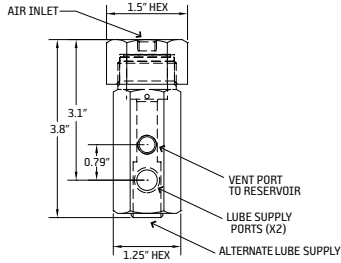
	BDI PART #	DIMENSIONS			NOTES
		A	B	C	
Fill Strainers    	32116	37mm	34mm	35.5mm	USED WITH CAP 32114
	19030	1.10"	0.86"	2.0"	USED WITH HF705C
	19148	1.10"	0.86"	1.25"	USED WITH HF705C
	B9840	1.875"	1.625"	6.625"	USED WITH D3027, D3031 RESERVOIRS
	35150	49mm	27mm	127mm	ASSEMBLY USED ON SURFIRE (Includes fill cap, gaskets & screws)
	23915	41.5mm	37.5mm	124mm	ASSEMBLY USE ON SUREFIRE 3 PHASE (Includes fill cap)
	27073	82.7mm	46.5mm	126.5mm	ASSEMBLY USED ON LARGE SIZE RESERVOIRS
	DRAWINGS 				

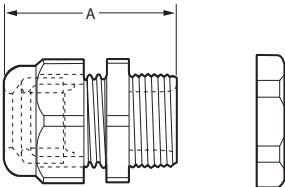
	BDI PART #	MAX PSI	THREADS	NOTES
Air Vent Valve  Max Temperature: -65°F TO 250°F (-53°C TO 121°C)	U129	150	1/8NPT	
	DRAWINGS 			

	BDI PART #	THREADS		DIMENSION "A"	MAX PSI	MATERIAL
		Female (1)	Female (2)			
Ball Valves  Max Temperature: -40°F TO 300°F (-40°C TO 150°C) (Max 200°F/35620)	35738	1/4NPTF	1/4NPTF	1.75"	600	BRASS
	35739	1/8NPTF	1/8NPTF	1.875"	1000	BRASS
	35620	1/4NPTF	1/4NPTF	1.61"	150	NI-PLATE BRASS
	DRAWINGS  					
				35738-35739		35620

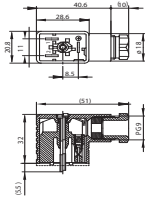
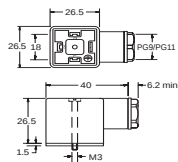
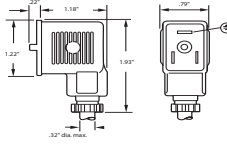
	BDI PART #	MAX PSI	THREADS	DIMENSIONS		NOTES
				A	HEX	
Muffler Filter  Max Temperature: 40°F TO 300°F (4°C TO 148°C)	A4239-M	300	1/8NPT	1-1/8"	7/16"	
	A4239-1	300	1/4NPT	1-3/8"	9/16"	
	33007	300	1/8BSPP	27MM	12MM	
	DRAWINGS 					

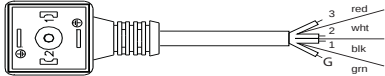
	BDI PART #	MAX PSI	THREADS	DIMENSIONS		NOTES
				A	HEX	
Breather Filter Vents  Max Temperature: 40°F TO 300°F (4°C TO 148°C)	A4256	150	1/8NPT	7/16"	7/16"	
	A4256-1	150	1/4NPT	5/8"	9/16"	
	A4256-2	150	3/8NPT	3/4"	11/16"	
	31875	150	1/4BSPP	14.5MM	16MM	
	DRAWINGS 					

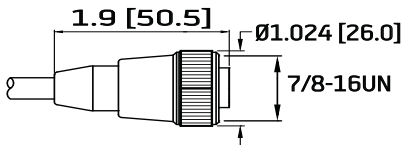
	BDI PART #	THREADS				RECOMMENDED LUBRICANTS
		AIR INLET	VENT PORT	LUBE SUPPLY(X2)	ALT LUBE SUPPLY	
Vent Valves  Maximum Lubricant Pressure: 3800psi (262bar) Maximum Air Pressure: 120psi (8bar) Minimum Air Pressure: 40psi (3bar)	13850	1/4NPTF	1/4NPTF	3/4NPTF	-	OIL TO NLGI # 2 GREASE
	27708	1/8NPTF	1/8NPTF	1/4NPTF	3/8NPTF	OIL TO NLGI # 1 GREASE
	27926	1/8BSPP	1/8BSPP	1/4BSPP	3/8NPTF	OIL TO NLGI # 1 GREASE
	32087	1/4NPTF	1/4NPTF	3/4NPTF	-	13850 VALVE WITH HOSE ASSEMBLIES FOR DRUM PUMPS
DRAWINGS						
 						
VENT VALVE MINI VENT VALVE						

BDI PART #					THREADS		"A"		NOTES	
Liquid Tight Fittings  Max Temperature: -40°F TO 239°F (-40°C TO 115°C)	19360-4		LTF16		42.2mm					
	19360-5		LTF1/2		43.7mm					
	34681		M20X1.5P		35mm		Used on Surefire			
	DRAWINGS									
										

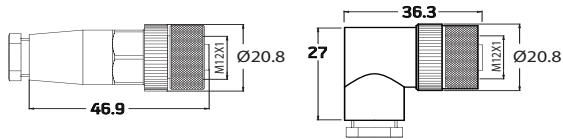
	BDI PART #	TYPE	STYLE	TYPE	CONNECTION	CABLE O.D.	MAX CURRENT	WIRES
Wire Harness Assembly  Temp. Range: -67° to 257° F (-55° to 125° C)	35559	DEUTSCH 2-WAY PLUG	STR	2 POLE	25'-FT.	0.198"	13 AMPS	RED/BLK
	35597	DEUTSCH 2-WAY PLUG	STR	2 POLE	25'-FT.	0.365"	13 AMPS	RED/BLK
DRAWINGS								
								

	BDI PART #	DIN	FORM	TYPE	CONNECTION	MAX WIRE DIA.	MAX VOLTAGE	MAX CURRENT	CONTACTS
DIN Connectors  Temp. Range: -13° to 194° F (-25° to 90° C) Protection: NEMA 4/IP65	MCC2509A	43650	B	GROUND UP	PG9	0.18"-0.275"	300VDC/250VAC 50/60Hz	10 AMPS	2 + GROUND
	MCC2510A	43650	A	GROUND UP	PG-11	0.31"-0.39"	300VDC/250VAC 50/60Hz	10 AMPS	3 + GROUND
	35621	46244	B	GROUND DOWN	Pg9P	0.32"	300VDC/250VAC 50/60Hz	10 AMPS	2 + GROUND
	DRAWINGS								
 43650 FORM B  43650 FORM A  46244 FORM B									

	BDI PART #	DIN	FORM	TYPE	WIRE	WIRE LENGTH	MAX VOLTAGE	MAX CURRENT	CONTACTS
DIN Connectors With Cables  Temp. Range: -13° to 194° F (-25° to 90° C) Protection: NEMA 4/IP65 NEMA 6/IP67(35732)	35732-1	43650	A	GROUND UP	AWG 18/4	15'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	3 + GROUND
	35732-2	43650	A	GROUND DOWN	AWG 18/4	15'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	3 + GROUND
	DIN14538-2	43650	A	GROUND DOWN	AWG 18/3	3'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	2 + GROUND
	35623	46244	B	GROUND DOWN	AWG 18/2	10'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	2 + GROUND
	35623-22	46244	B	GROUND DOWN	AWG 18/2	22'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	2 + GROUND
	32847	43650	A	GROUND DOWN		6.5'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	3 + GROUND
DRAWINGS									
  Ground Down:  Ground Up:									

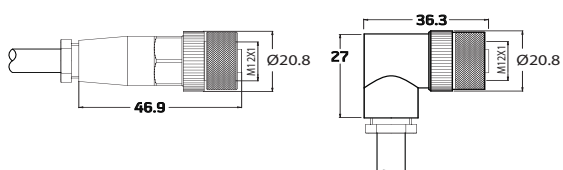
	BDI PART #	TYPE	LENGTH	CONNECTION	WIRE	MAX VOLTAGE	MAX CURRENT	NOTES
Automotive Type Connectors with Cable - BH/CH  Temp. Range: -4° to 221° F (-20° to 105° C) Protection: NEMA 6/IP68	MCC2505A	FEMALE	6'-FT.	3 PIN	AWG 18/3	300VDC/250VAC 50/60Hz	9 AMPS	
	MCC2505B	FEMALE	12'-FT.	3 PIN	AWG 18/3	300VDC/250VAC 50/60Hz	9 AMPS	
	MCC2506A	FEMALE	6'-FT.	3 PIN	AWG 18/4	120VAC 50/60Hz	6 AMPS	NEON LAMP
DRAWINGS								
								

	BDI PART #	AWG	CONDUCTORS	UL/CSA TYPE	VOLTAGE	O.D.	WIRE COLORS
Electric Cables  Temp. Range: -40° to 194° F (-40° to 90° C)	15117-1	18	3	SJO	300V	0.320"	GREEN/WHITE/BLACK
	15117-2	18	2	SVO	300V	0.238"	WHITE/BLACK
	15117-5	16	4	SJO	300V	0.365"	RED/GREEN/WHITE/BLACK
	35563	16	2	UL-CL3R	300V	0.198"	RED/BLACK
	HE973	18	1	AWM/TEW	600V	0.112"	RED

	BDI PART #	TYPE	STYLE	M12 TYPE	CONNECTION	MAX VOLTAGE	MAX CURRENT	NOTES
M12 Connectors Field Attachable 	23694	FEMALE	STR	5 POLE	PG11	60V AC/DC	4 AMPS	
	23694-1	FEMALE	90°	5 POLE	PG11	60V AC/DC	4 AMPS	
	23837	FEMALE	STR	8 POLE	PG11	30V AC/DC	2 AMPS	
	23842	FEMALE	90°	8 POLE	PG11	30V AC/DC	2 AMPS	
DRAWINGS								
								

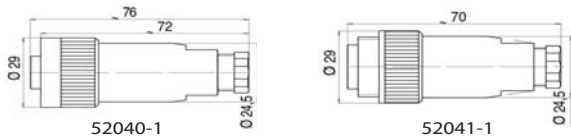
Temp. Range:
-13° to 194° F
(-25° to 90° C)

Protection:
IP67

	BDI PART #	TYPE	STYLE	M12 TYPE	LENGTH	MAX VOLTAGE	MAX CURRENT	NOTES
M12 Connectors with Cable 	M124S02U34	FEMALE	STR	4 POLE	2 METERS	250V AC/DC	4 AMPS	UN SHIELDED
	M124S05U34	FEMALE	STR	4 POLE	5 METERS	250V AC/DC	4 AMPS	UN SHIELDED
	M124S10U34	FEMALE	STR	4 POLE	10 METERS	250V AC/DC	4 AMPS	UN SHIELDED
	76928-2833	FEMALE	90°	3 POLE	10 METERS	300VDC	4 AMPS	
	76928-2843	FEMALE	STR	4 POLE	2 METERS	250V AC/DC	4 AMPS	
	76928-2853	FEMALE	STR	4 POLE	5 METERS	250V AC/DC	4 AMPS	
	76928-2863	FEMALE	STR	4 POLE	10 METERS	250V AC/DC	4 AMPS	
	M125A03U75	FEMALE	90°	5 POLE	3 METERS	60V AC/DC	4 AMPS	UN SHIELDED
	M125S03U75	FEMALE	STR	5 POLE	3 METERS	60V AC/DC	4 AMPS	UN SHIELDED
	M128A03U25	FEMALE	90°	8 POLE	3 METERS	30V AC/DC	2 AMPS	UN SHIELDED
	M128S03U25	FEMALE	STR	8 POLE	3 METERS	30V AC/DC	2 AMPS	UN SHIELDED
	M128A10U25	FEMALE	90°	8 POLE	10 METERS	30V AC/DC	2 AMPS	UN SHIELDED
	M128S10S25	FEMALE	STR	8 POLE	10 METERS	30V AC/DC	2 AMPS	SHIELDED
DRAWINGS								
								

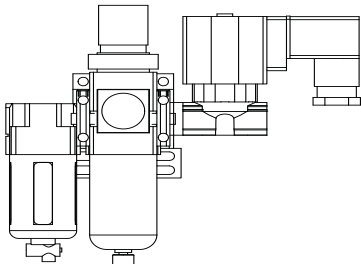
Temp. Range:
-13° to 158° F
(-25° to 70° C)

Protection:
IP69K

	BDI PART #	TYPE	STYLE	TYPE	CONNECTION	MAX VOLTAGE	MAX CURRENT	NOTES
Bayonet Conn. Field Attachable 	52040-1	FEMALE	STR	4 POLE	PG9	400V	12 AMPS	Max 6-9.5mm Cable Dia.
	52041-1	MALE	STR	4 POLE	PG9	400V	12 AMPS	Max 6-9.5mm Cable Dia.
DRAWINGS								
								

Temp. Range:
-40° to 212° F
(-40° to 100° C)

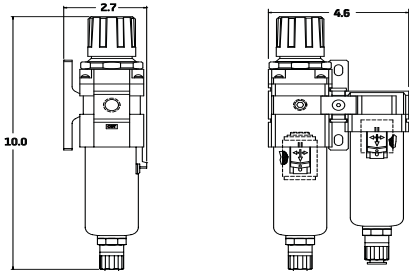
Protection:
IP67
IP65(for cable 6-7mm)

	BDI PART #	FILTER REGULATOR	COALESCING FILTER	SOLENOID VOLTAGE	CONNECTION THREADS	REPLACEMENT ELEMENTS FILTER REGULATOR	REPLACEMENT ELEMENTS COALESCING FILTER
Air Preparation:	60195-5	5 μm	0.01 μm	110VAC	1/4NPTF	60200	60201
Filter Regulator Coalescing Filter Solenoid Valve	60195-7			24VDC			
	60195-9			220VAC			
DRAWINGS							
 Temp. Range: 23° to 140° F (-5° to 60° C) Max psi: 145							

Temp. Range:
23° to 140° F
(-5° to 60° C)

Max psi:
145



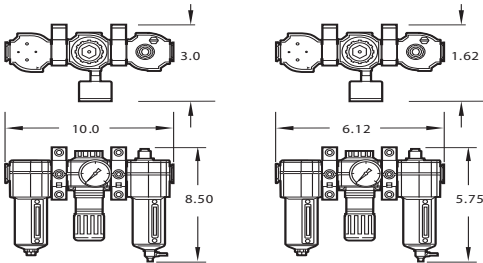
BDI PART #		FILTER REGULATOR	COALESCING FILTER	NOTES	CONNECTION THREADS	REPLACEMENT ELEMENTS	
						FILTER REGULATOR	COALESCING FILTER
Air Preparation:	27159	5 μm	0.3 μm	REG ON LEFT	1/4NPTF	27161	27160
	27159-1			REG ON RIGHT			
DRAWINGS							
							
Temp. Range: 23° to 140° F (-5° to 60° C)							
Max psi: 145							
SCFM: 11.6							

Temp. Range:
23° to 140° F
(-5° to 60° C)

Max psi:
145

SCFM: 11.6

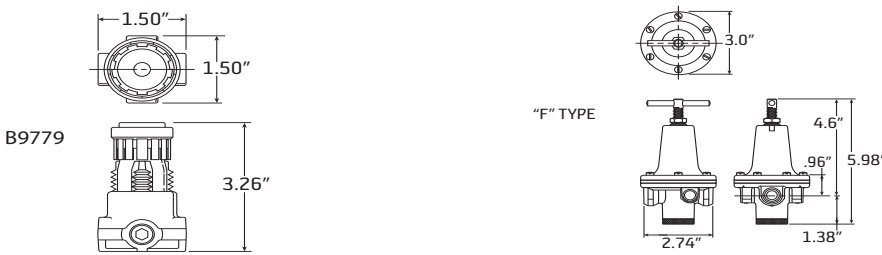


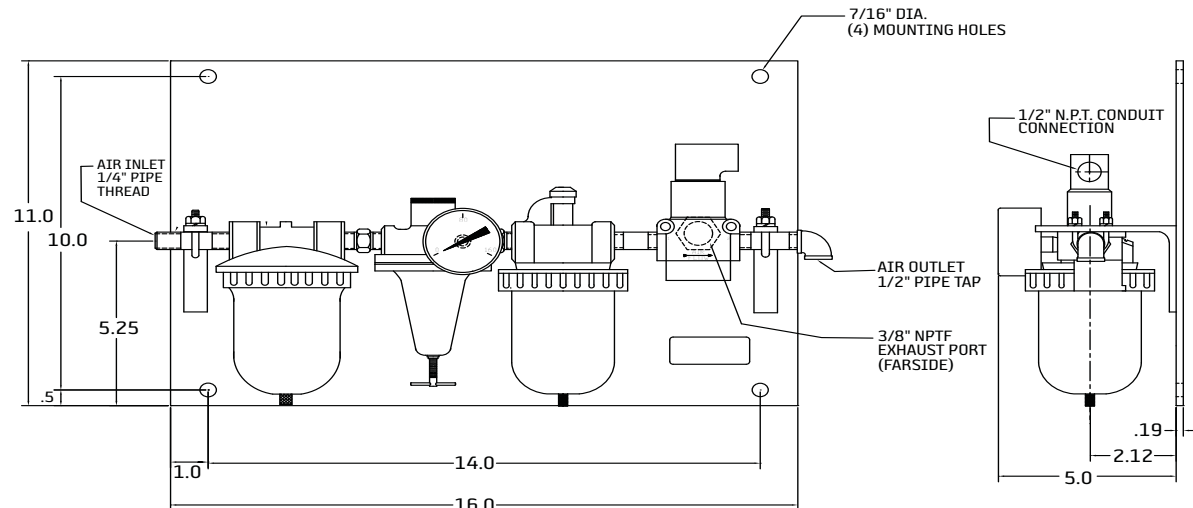
	BDI FRL PART #	THREADS	REGULATOR WITH GAGE	LUBRICATOR	FILTER	BRACKET	NOTES
Air Preparation:	F6282	1/4NPTF					FILTER ELEM #35729
	F995	1/4NPTF	F991	F992	F993	F996	MINI
Filter Regulator Lubricator - FRL	F984	3/8NPTF	F973	F974	F975	F989	
	F985	1/2NPTF	F976	F977	F978		
	F986	3/4NPTF	F980	F981	F982		
DRAWINGS							
							
Temp. Range: 23° to 140° F (-5° to 60° C)							
Max psi: 145							

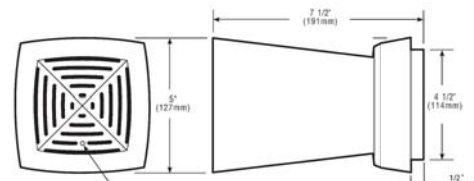
Temp. Range:
23° to 140° F
(-5° to 60° C)

Max psi:
145



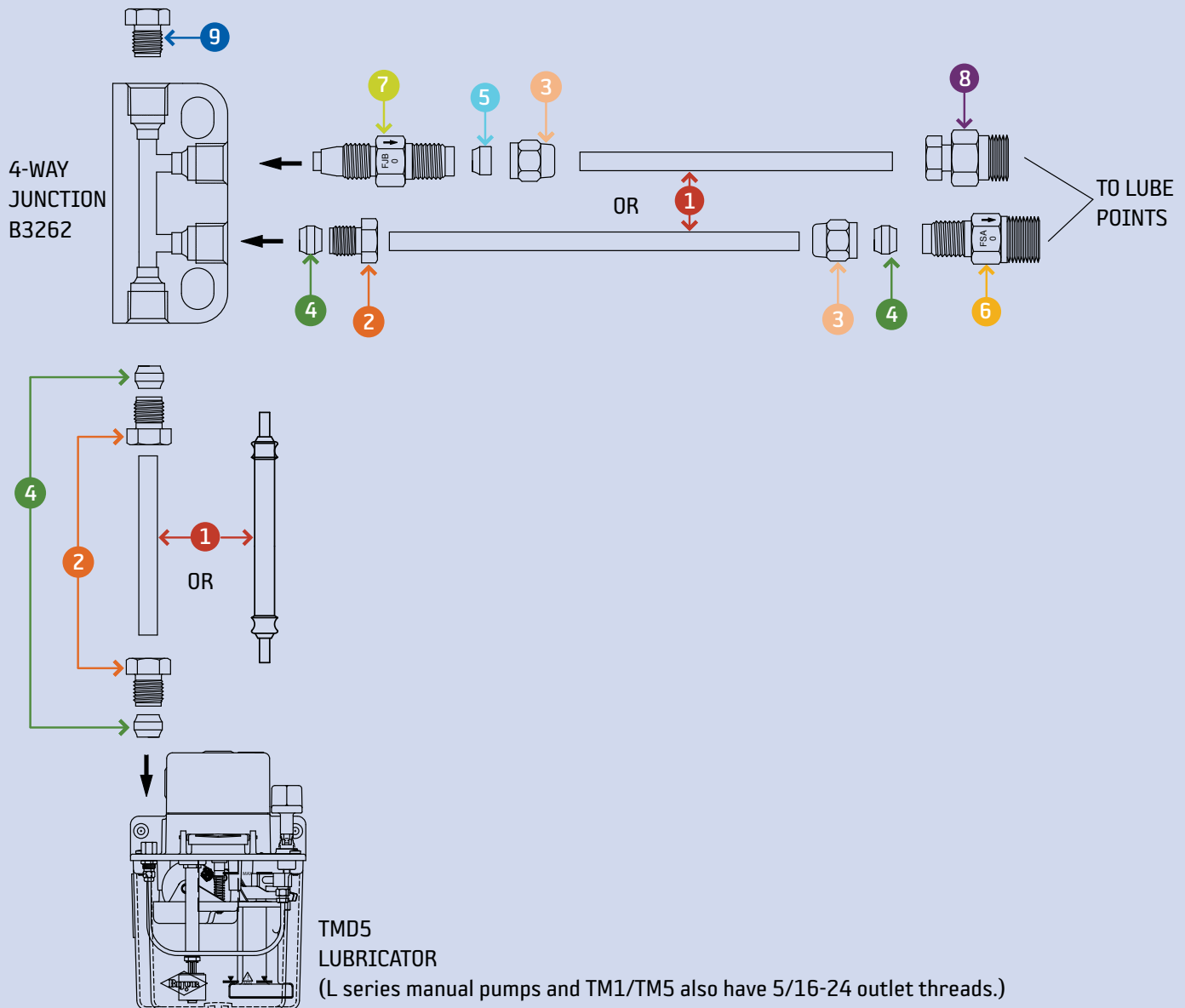
	BDI PART #	THREADS	GAUGE	MAX PSI	MAX AIR FLOW	REDUCED PRESSURE	NOTES
Air Preparation: Regulators  Temp. Range: -40° to 180° F (-40° to 82° C) B9779 32° to 150° F (0° to 65.6° C)	B9779	1/8NPTF	NO	300			
	F1192	1/4NPTF	NO	400	400 SCFM	0 - 125 PSI	
	F1192G	1/4NPTF	YES	400	400 SCFM	0 - 125 PSI	
	F1194	1/2NPTF	NO	400	400 SCFM	0 - 125 PSI	
	F1194G	1/2NPTF	YES	400	400 SCFM	0 - 125 PSI	
	DRAWINGS						
							

	BDI PART #	THREADS		VOLTAGE	SOLENOID CONNECTION	PANEL SIZE	NOTES
		INLET	OUTLET				
Air Preparation: Air Control Panel Remote  Temp. Range: -40° to 180° F (-40° to 82° C)	LD7767CA1	1/4NPT	1/2NPTF	120VAC	1/2NPTF	16" X 11"	F6282 + U10626A1
	LD7767CA2	1/4NPT	1/2NPTF	240VAC	1/2NPTF	16" X 11"	F6282 + U10626A2
	LD7767CA5	1/4NPT	1/2NPTF	24VDC	1/2NPTF	16" X 11"	F6282 + U10626A5
	DRAWINGS						
							

	BDI PART #	VOLTAGE 50/60 Hz	AMPS	COIL RESISTANCE	DECIBELS @ 10 FT'	REDUCED PRESSURE	NOTES
Horn  UL LISTED PLC COMPATIBLE NEMA 1	U914A1	120VAC	0.13	150 OHMS	103		
	DRAWINGS						
							

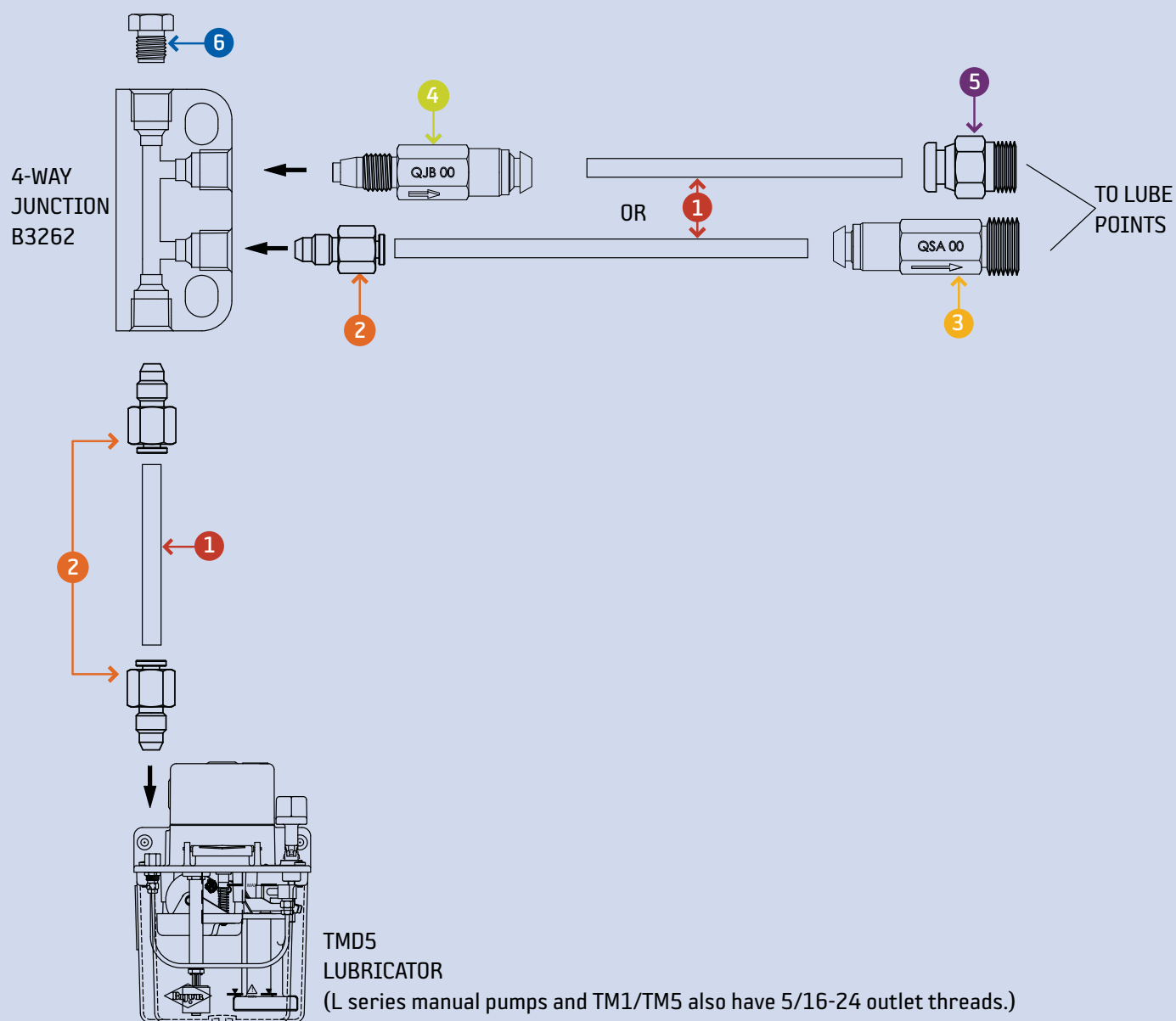
SLR Typical Compression Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Tubing - Metal	5/32" O.D. TUBING	5C25	Page 31
	Tubing - Nylon	5/32" O.D. nylon tubing	5N25	Page 30
	Hose Assemblies	5/16 or 7/16 O.D. hose assemblies with 5/32" stand-pipe ends	B4588	Page 22
2	Compression Bushings	5/32" male compression bushing	B1371	Page 18
3	Compression Nuts	5/32" female compression nut	B1095	
4	Compression Sleeves-Double side	5/32" sleeve for metal tubing	B1061	Page 19
5	Compression Sleeves-Single side	5/32" sleeve for plastic tubing	B8272	
6	Meter Units	Lube point mount meter unit for 5/32" tubing	B1083	Page 34-35
7		Junction mounted meter unit for 5/32" tubing	B2495	
8	Tubing Adapters Assemblies	5/32" tube X 1/8NPT male str. assembly	B3297	Page 10-11
9	Plugs	5/16-24 Plug	B3784	Page 20



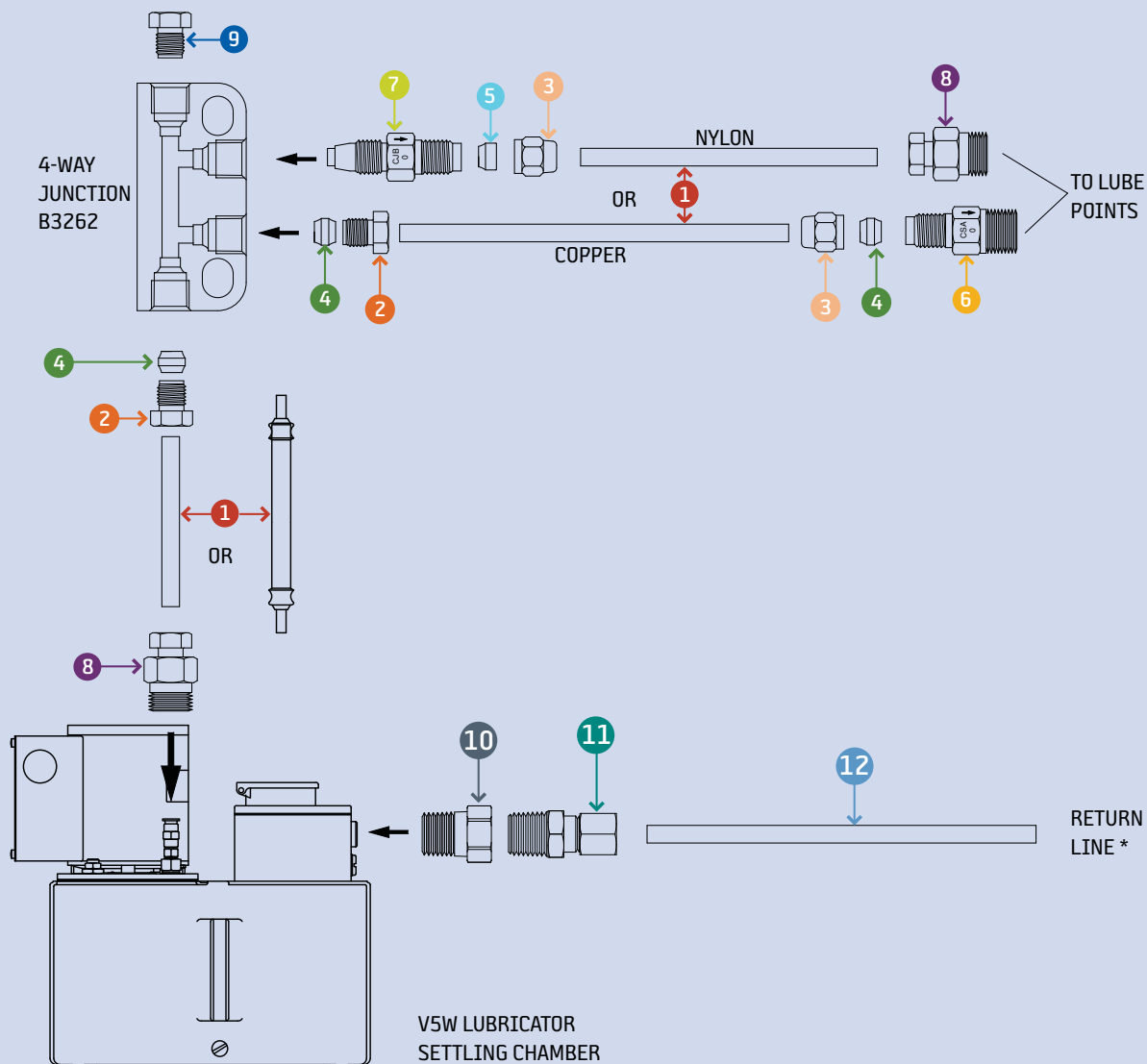
SLR Typical Push-to-Connect Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Tubing - Nylon	5/32" or 4mm O.D. nylon tubing	5N25	Page 30
2	PTC Adapter	5/32" Tube X 5/16-24 male adapter	AR5005	Page 16
3	Meter Units	PTC Junction mount meter unit for 5/32" tubing	QSA-00	Page 34-35
4		PTC lube point mounted meter unit for 5/32" tubing	QJB-00	
5	PTC Tubing Adapters	5/32" tube X 1/8NPT male str. assembly	B3297	Page 16
6	Plugs	5/16-24 Plug	B3784	Page 20



SLR Typical Continuous Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Tubing - Metal	5/32" O.D. TUBING	5C25	Page 31
	Tubing - Nylon	5/32" O.D. nylon tubing	5N25	Page 30
	Hose Assemblies	5/16 or 7/16 O.D. hose assemblies with 5/32" stand-pipe ends	B4588	Page 22
2	Compression Bushings	5/32" male compression bushing	B1371	Page 18
3	Compression Nuts	5/32" female compression nut	B1095	
4	Compression Sleeves-Double side	5/32" sleeve for metal tubing	B1061	Page 19
5	Compression Sleeves-Single side	5/32" sleeve for plastic tubing	B8272	
6	Control Units	Junction mount control unit for 5/32" tubing	B7038	Page 36-37
7		Lube point mounted control unit for 5/32" tubing	B7026	
8	Tubing Adapters Assemblies	5/32" tube X 1/8NPT str. assy	B3297	Page 10-11
9	Plugs	5/16-24 Plug	B3784	Page 20
10	Reducer Bushing	1/2NPT x 1/4NPTF	B9953	Page 8
11	Tubing Adapter	1/4" Tube x 1/4NPT str assy	B6533	Page 10-11
12	Tubing	1/4" Steel Tube	8S28	Page 31

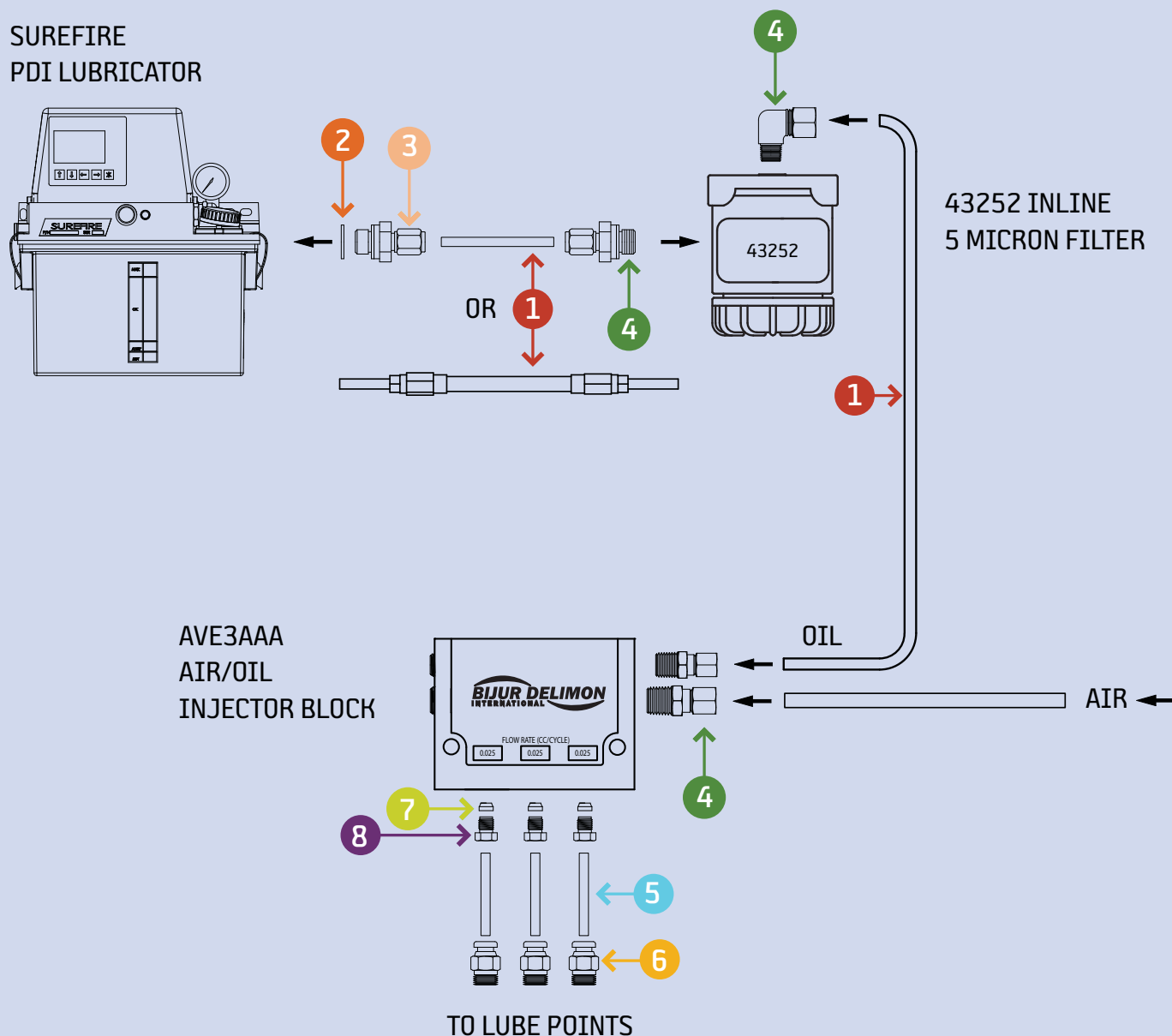


* Note: Return line filter recommended.

PDI Typical Air-Oil Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Supply Line Tubing - Nylon	6mm O.D. TUBING	B10437C	Page 30
	Hose Assemblies	PDI hose assy with 6mm stand-pipe ends	34971-10	Page 23
2	Copper Washer	1/4BSPP copper washer	35010	Page 21
3	Pump Outlet Fitting	6mm tube X 1/4BSPP	AR397	Page 10
4	Tubing Adapters	6mm tube X 1/8NPT comp str	24361-1	Page 10-11
		6mm tube X 1/8NPT 90 degree comp str	AR139	
		5/16" tube x 1/4NPT comp str	15920-4	
5	Tubing	5/32" (4mm) tube Poly-Clear	4N25W	Page 30
6	Tube Adapters	Tubing adapter assemblies PTC	20101-1	Page 16
7	Compression Bushing	5/32"(4mm) male bushing	B1371	Page 18
8	Compression Sleeve	5/32"(4mm) sleeve	B8272	Page 19

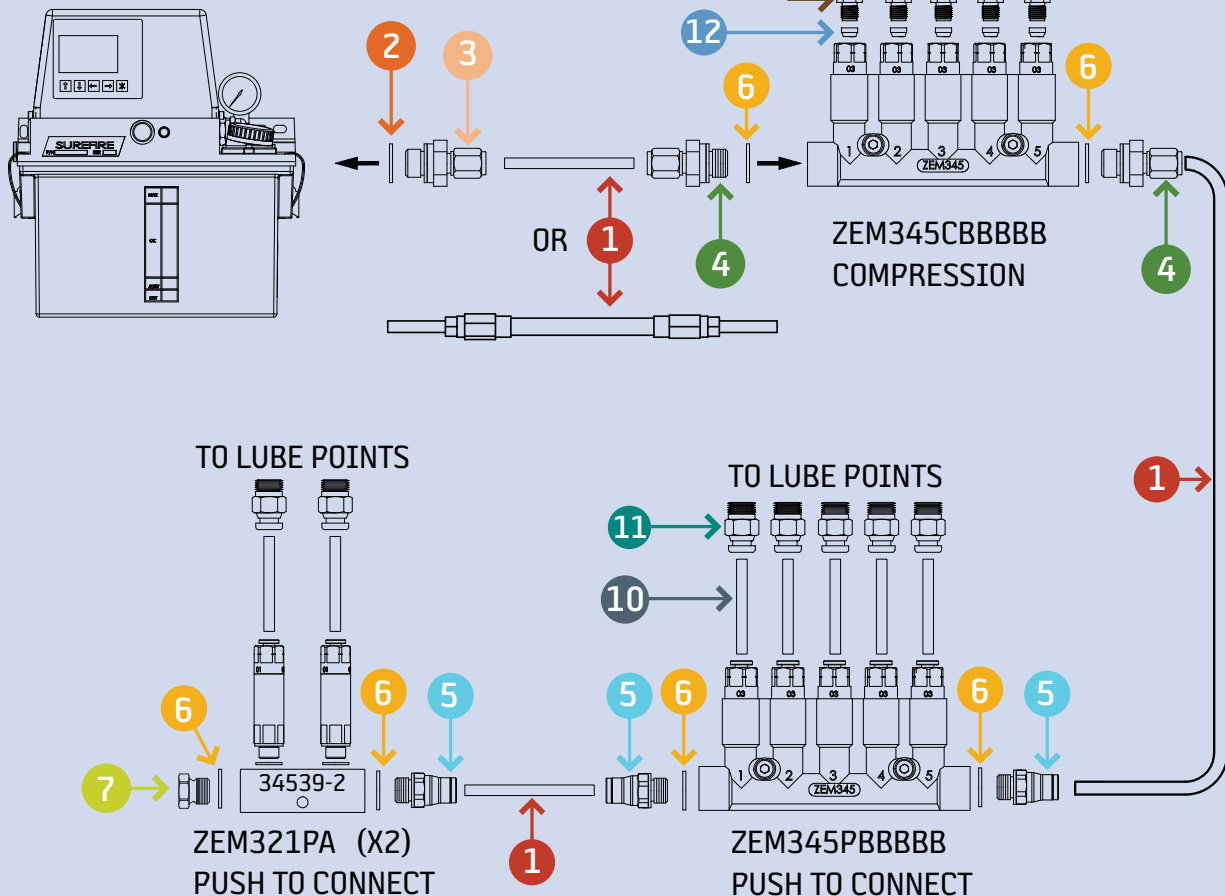
SUREFIRE PDI LUBRICATOR



PDI ZEM Typical Layout

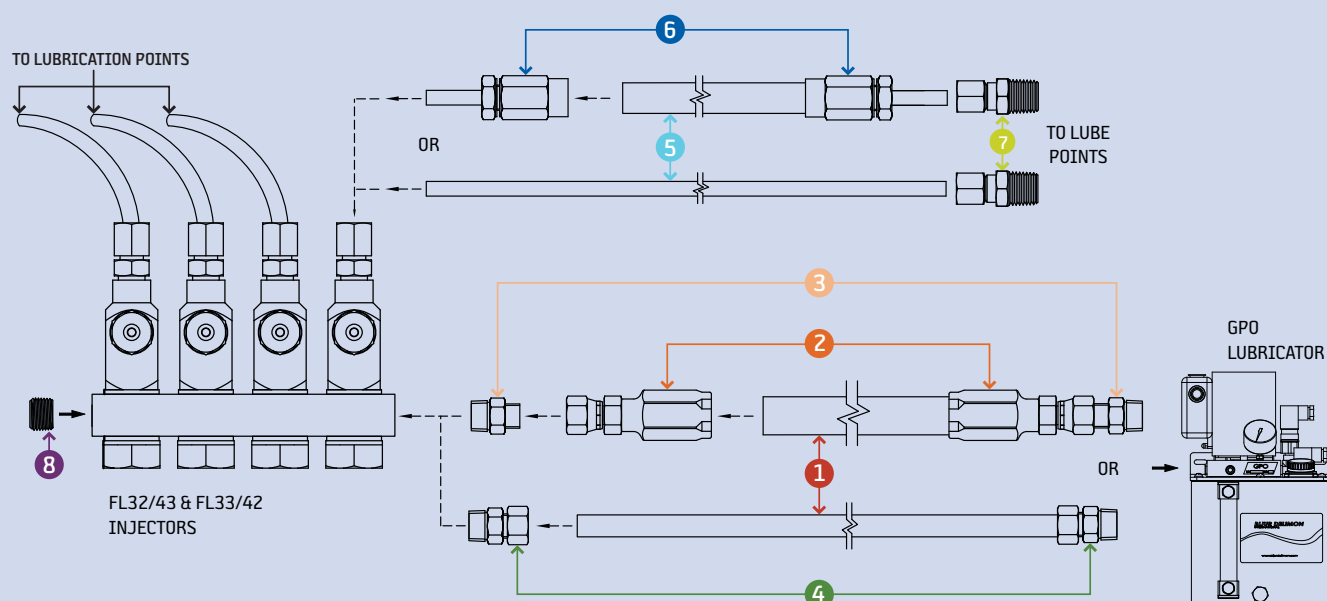
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Supply Line Tubing - Nylon	6mm O.D. TUBING	B10437C	Page 30
	Hose Assemblies	PDI hose assy with 6mm stand-pipe ends	34971-10	Page 23
2	Copper Washer	1/4BSPP copper washer	35010	Page 21
3	Pump outlet fitting	6mm tube X 1/4BSPP	AR397	Page 10
4	Str adpt tube fittings	6mm tube X M10X1 compression str	AR426	Page 10
5	Str adpt tube fittings PTC	6mm tube X M10X1 push to connect str	AR1995	Page 16
6	Copper washer	M10 copper washer	20913-1	Page 21
7	Plug	M10X1 plug	27450	Page 20
8	Feed Line Tubing - Copper	4mm (5/32") nylon tubing	5C25	Page 31
9	Lube point fittings	4mm (5/32") X 1/8NPT	B3297	Page 10
10	Feed Line Tubing - Nylon	4mm (5/32") nylon tubing	5N25	Page 30
11	Lube point fittings PTC	4mm (5/32") X 1/8NPT	B3297	Page 16
12	Compression Sleeve	4mm (5/32") sleeve (ferrile/olive)	35001	Page 18
13	Compression Bushing	4mm (5/32") male bushing	15326	Page 19

SUREFIRE PDI LUBRICATOR



PDI FL-33/FL-42 & FL-32/FL-43 Typical Layout

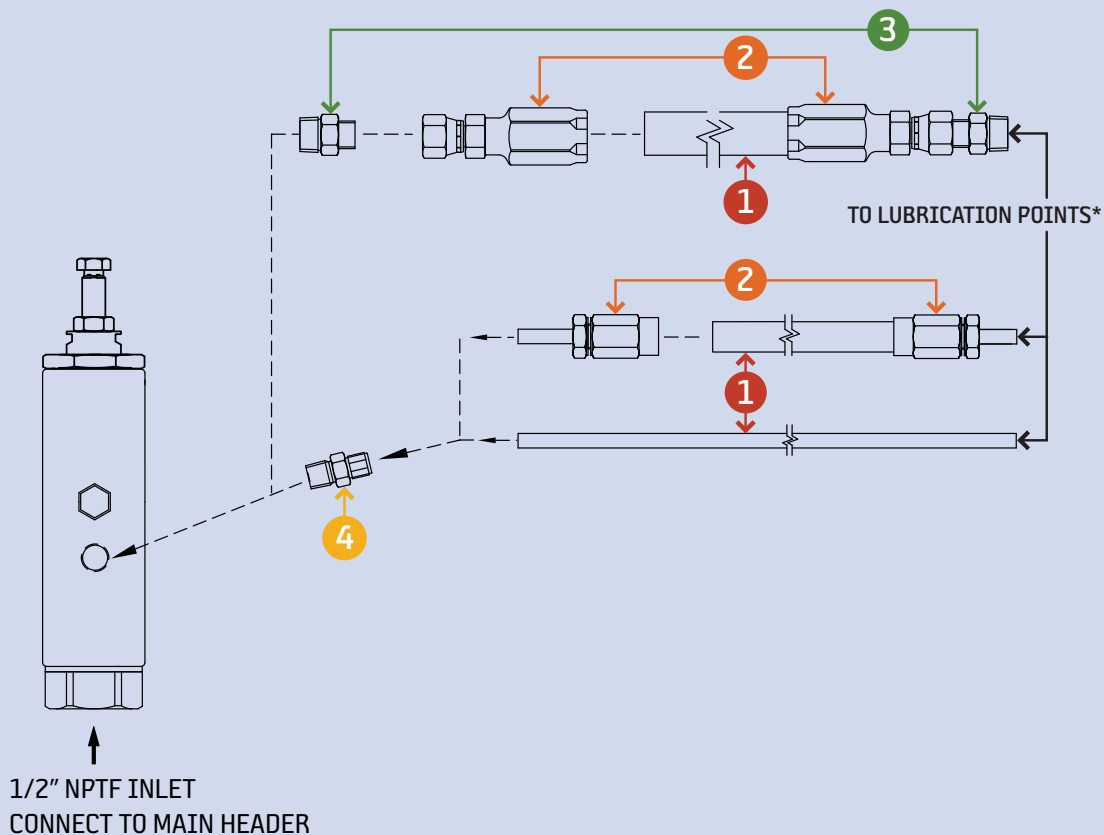
		NAME	DESCRIPTION	EXAMPLE PART # FL33 - FL42 (1/8 NPT)	EXAMPLE PART # FL32 - FL43 (1/4 NPT)	DETAIL PART PAGES
SUPPLY LINE	1	Hose*	1/4" I.D. Hose	U7184	Page 26	
			3/8" I.D. Hose	U7186		
		Tubing*	1/4" O.D. Steel Tubing	U424E4	Page 31	
			3/8" O.D. Steel Tubing	U424E6		
	2	Hose Ends	1/4"I.D. Hose X Female JIC Swivel 7/16-20	U43844	Page 26	
			3/8"I.D. Hose X Female JIC Swivel 9/16-18	U43866		
	3	Hose Adapters	JIC 7/16-20 STR adapter	U43124	U43144	Page 27
			JIC 7/16-20 90 degree elbow	35528-5	35528-1	
			JIC 9/16-18 STR adapter	35575-1	U43146	
			JIC 9/16-18 90 degree adapter	35528-8	35528-2	
	4	Tubing adapters	1/4" OD Tube adapter straight	U83B1	U83B2	Page 10-11
			1/4" OD Tube adapter 90 degree	U87B1	U87B2	
3/8" OD Tube adapter straight			U83D1	U83D2		
3/8" OD Tube adapter 90 degree			U87D1	U87D2		
FEED LINES & LUBE POINT FITTINGS	5	Hose	3/16" ID Hose	27730	Page 26	
		Tubing	1/8" O.D. Nylon Tubing	27722	Page 30	
			1/8" O.D. Steel Tubing	27388	Page 31	
	6	Hose Ends	1/8"O.D. Standpipe X 1/4-28 male hose stud	27712	Page 23	
			1/8"NPT male X 1/4-28 male hose stud	27713		
			1/4-28 female coupling nut	27714		
	7	Tubing Adapters	1/8" O.D. Tube X 1/4-28 STR adapter	27727	Page 10-11	
			1/8" O.D. Tube X 1/8NPT STR adapter	27726		
			1/8" O.D. Tube X 1/4-28 90 degree adapter	27728		
			1/8" O.D. Tube X 1/8NPT 90 degree adapter	27725		
	8	Manifold Plug	Plugs end of line	U119AC	U119BC	Page 20



* Note: 3/8" O.D. tubing and 1/4" I.D. hose are to be used for NLGI #1 grease or lighter and a maximum supply line length of 25 feet. If a supply line of longer than 25 feet is needed or NLGI #2 grease is to be used consult factory for proper supply line size.

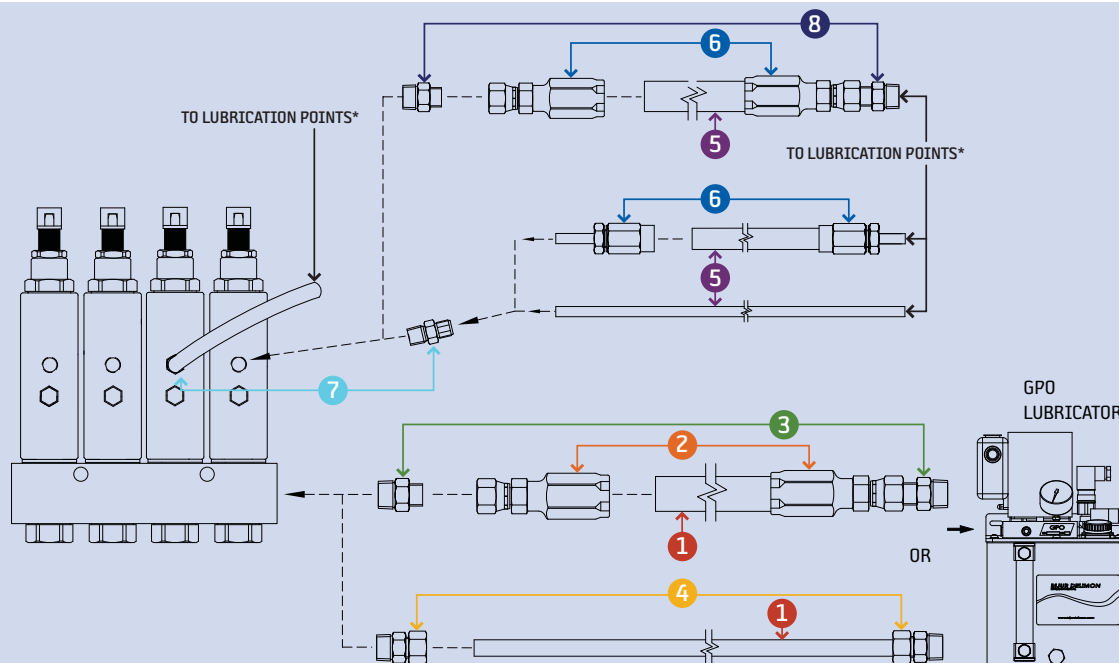
PDI FL-11 / FL-45 Typical Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
FEED LINES & LUBE POINTS	1	Hose	5/32"(4mm) I.D. flexible hose	Page 23
			1/4" I.D. hose	
	2	Tubing	1/4" O.D. nylon tubing x .050 wall	Page 30
			1/4" O.D. steel	Page 31
	3	Hose Ends	5/32" I.D.(4mm) hose coupling x 1/4" stand pipe	Page 26
			1/4" I.D. hose x female JIC swivel 7/16-20	
	4	Hose Adapters	JIC 7/16-20 x 1/4" NPT, straight adapter	Page 27
			JIC 7/16-20 x 1/4" NPT, 90° elbow adapter	
			JIC 7/16-20 x 1/8" NPT, straight adapter	
			JIC 7/16-20 x 1/8" NPT, 90° elbow adapter	
	5	Tubing Adapters	1/4" O.D. tube x 1/4NPT, straight tubing adapter	Page 10-11
			1/4" O.D. tube x 1/4NPT, 90° elbow tubing adapter	
			3/8" O.D. tube x 1/4NPT, straight tubing adapter	
			3/8" O.D. tube x 1/4NPT, 90° elbow tubing adapter	



PDI FL1 / FL-44 Typical Layout

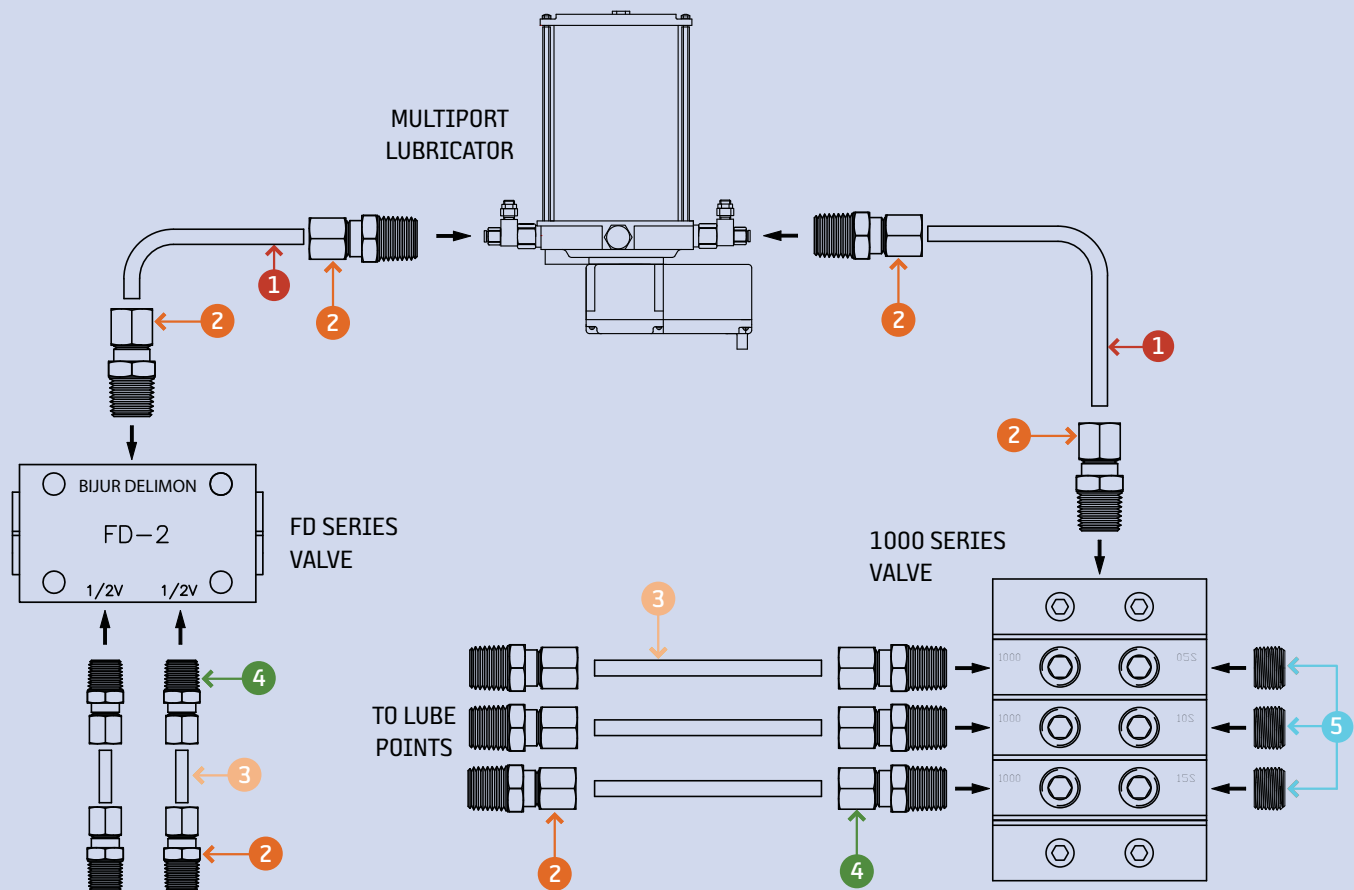
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1	Hose*	1/4" I.D. hose (SAE 100R2) 5800 psi wp	Page 26
			3/8" I.D. hose (SAE 100R2) 4750 psi wp	
	2	Tubing*	1/4" O.D. steel	Page 31
			3/8" O.D. steel tubing	
	3	Hose Ends	1/4" I.D. hose x female JIC swivel 7/16-20	Page 26
			3/8" I.D. hose x female JIC swivel 9/16-18	
	4	Hose Adapters	JIC ADAPTERS	JIC 7/16-20 JIC 9/16-18
			JIC x 1/4" NPT, straight adapter	U43144 U43146
			JIC x 3/8" NPT, straight adapter	35575 U43166
			JIC x 1/4" NPT, 90° elbow adapter	35528-1 35528-2
			JIC x 3/8" NPT, 90° elbow adapter	35528-3 35528-4
FEED LINES & LUBE POINTS	5	Tubing Adapters	NPT SIZES	1/4 NPT 3/8NPT
			1/4" O.D. tube x NPT, straight tubing adapter	U83B2 U83B3
			1/4" O.D. tube x NPT, 90° elbow tubing adapter	U87B2 U87B3
			3/8" O.D. tube x NPT, straight tubing adapter	U83D2 U83D3
			3/8" O.D. tube x NPT, 90° elbow tubing adapter	U87D2 U87D3
	6	Hose	5/32"(4mm) I.D. flexible hose	34962
			1/4" I.D. hose	35546
	7	Tubing	1/4" O.D. nylon tubing x .050 wall	21672
			5/32" I.D.(4mm) hose coupling x 1/4" stand pipe	29117
	8	Hose Ends	1/4" I.D. hose x female JIC swivel 7/16-20	201188
			1/4" O.D. tube x 1/8" NPT, straight tubing adapter	U83B1
	9	Tubing Adapters	1/4" O.D. tube x 1/8" NPT, 90° tubing adapter	U87B1
			JIC 7/16-20 x 1/8" NPT, straight adapter	U43124
	10	Hose Adapters	JIC 7/16-20 x 1/8" NPT, 90° elbow adapter	35528-5



* Note: 3/8" O.D. tubing and 1/4" I.D. hose are to be used for NLGI #1 grease or lighter and a maximum supply line length of 25 feet. If a supply line of longer than 25 feet is needed or NLGI #2 grease is to be used consult factory for proper supply line size.

Progressive 1000/FD Typical Layout

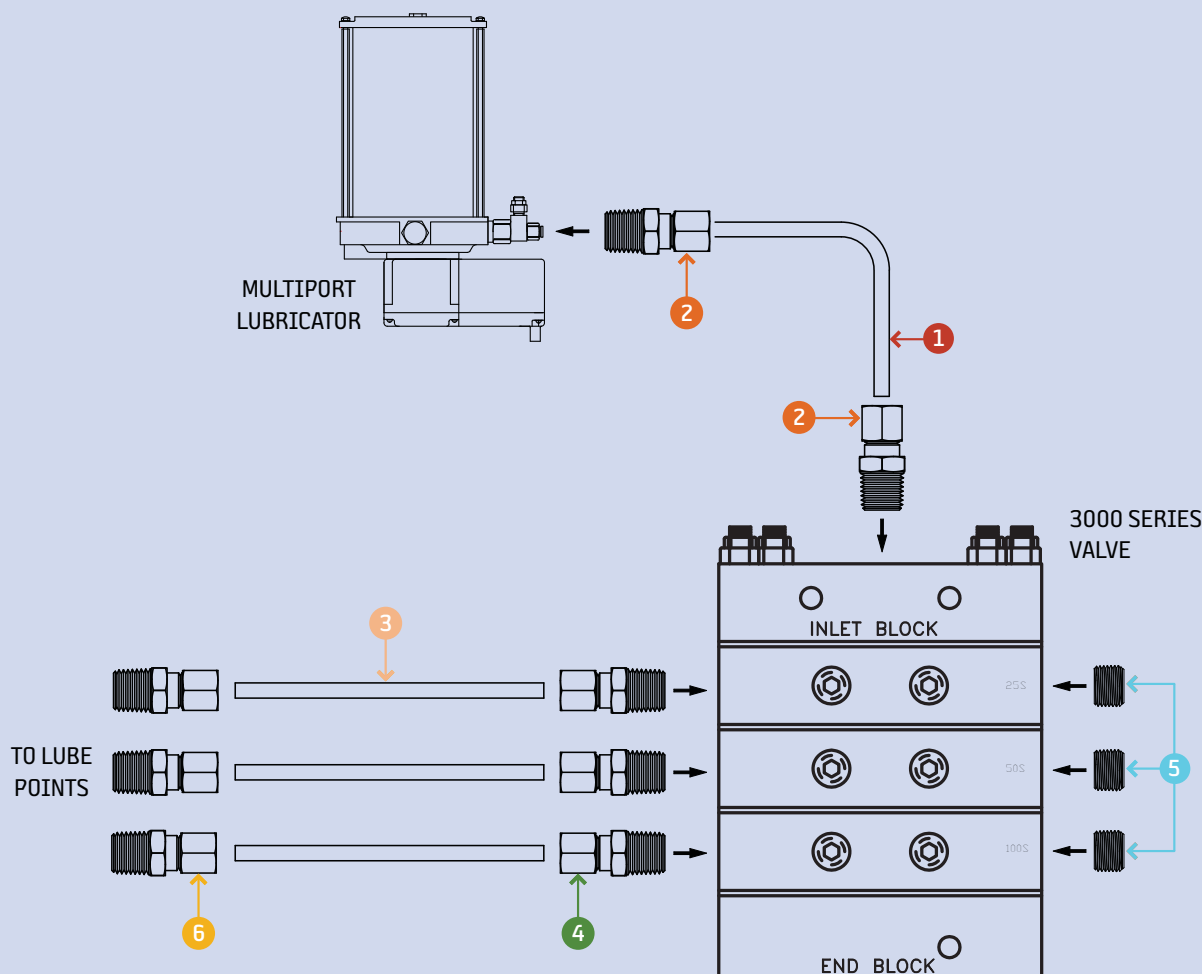
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1	Tubing Steel	1/4" O.D. Steel Tubing	Page 31
			3/8" O.D. Steel Tubing	
	2	Tubing Adapters	1/4" O.D. Tube X 1/8"NPT straight adapter	Page 10-11
			3/8" O.D. Tube X 1/8"NPT straight adapter	
			1/4" O.D. Tube X 1/8"NPT 90 degree adapter	
			3/8" O.D. Tube X 1/8"NPT 90 degree adapter	
FEED LINE & LUBE POINT FTGS	3	Tubing	1/4" O.D. Steel Tubing	Page 31
			1/4" O.D. Nylon Tubing	Page 30
	4	Tubing Adapters	1/4" O.D. Tube X 1/8"NPT straight adapter	Page 10-11
			1/4" O.D. Tube X 1/8"NPT straight adapter	
			1/4" O.D. Tube X 1/8"NPT 90 degree adapter	
			1/4" O.D. Tube X 1/8"NPT 90 degree adapter	
	5	Plugs	1/8"NPT	Page 20



* Note: 1/4" O.D. tubing is to be used with oil only and 3/8" O.D. tubing is to be used for NLGI #2 grease or lighter. If a supply line of longer than 25 feet is needed consult factory for proper supply line size.

Progressive 3000 Typical Layout

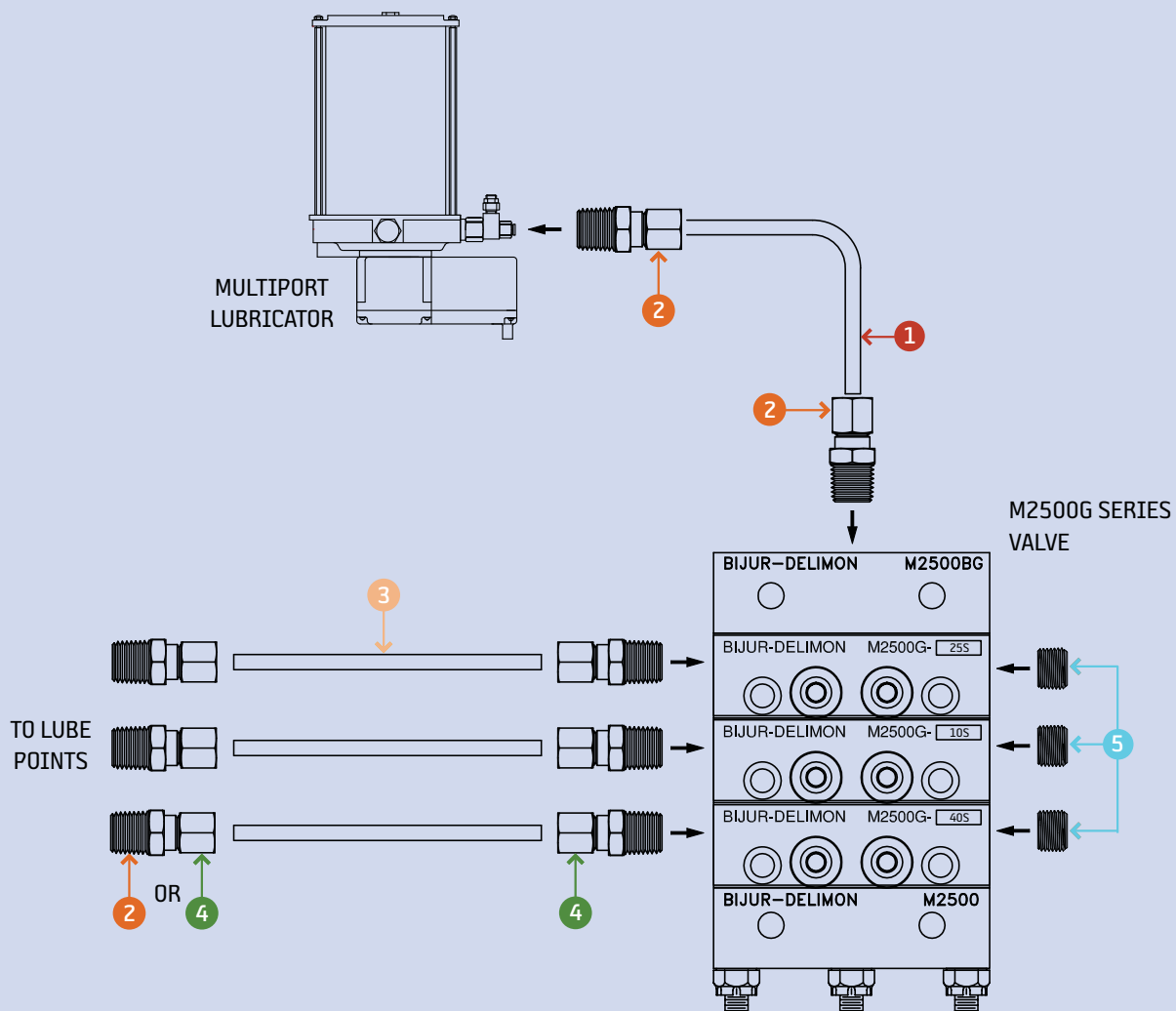
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1 Tubing Steel	3/8" O.D. Steel Tubing	U424E6	Page 31
		1/2" O.D. Steel Tubing	U424E8	
	2 Tubing Adapters	3/8" O.D. Tube X 3/8"NPT straight adapter	U83D3	Page 10-11
		1/2" O.D. Tube X 3/8"NPT straight adapter	U53EM3	
		3/8" O.D. Tube X 3/8"NPT 90 degree adapter	U87D3	
FEED LINE & LUBE POINT FTGS	3 Tubing	1/4" O.D. Steel Tubing	U424E4	Page 31
		3/8" O.D. Steel Tubing	U424E6	
	4 Tubing Adapters	1/4" O.D. Tube X 1/4"NPT straight adapter	U83B2	Page 10-11
		3/8" O.D. Tube X 1/4"NPT straight adapter	U83D2	
		1/4" O.D. Tube X 1/4"NPT 90 degree adapter	U87B2	
		3/8" O.D. Tube X 1/4"NPT 90 degree adapter	U87D2	
	5 Plugs	1/4"NPT	U119BC	Page 20
	6 Tubing Adapter	1/4" O.D. Tube X 1/8"NPT straight adapter	U83B1	Page 10-11
		3/8" O.D. Tube X 1/8"NPT straight adapter	U83D1	



* Note: 1/4" O.D. tubing is to be used with oil or grease runs of 10 feet or less. 3/8" O.D. tubing is to be used for NLGI #2 grease or lighter and if used to supply a secondary valve. If a supply line of longer than 25 feet is needed consult factory for proper supply line size.

Progressive M2500G Typical Layout

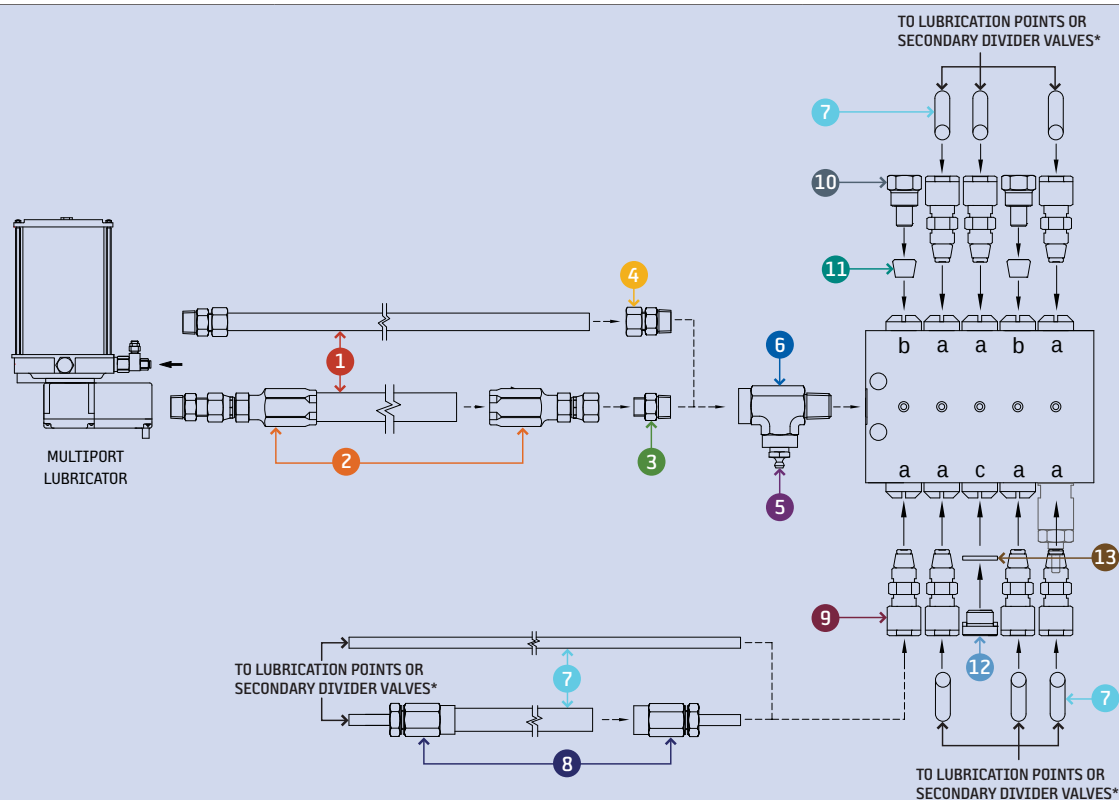
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1	Tubing*	1/4" O.D. Steel Tubing U424E4	Page 31
		3/8" O.D. Steel Tubing	U424E6	
	2	Tubing Adapters	1/4" O.D. Tube X 1/4"NPT straight adapter U83B2	Page 10-11
		3/8" O.D. Tube X 1/4"NPT straight adapter	U83D2	
		1/4" O.D. Tube X 1/4"NPT 90 degree adapter	U87B2	
		3/8" O.D. Tube X 1/4"NPT 90 degree adapter	U87D2	
FEED LINE & LUBE POINT FTGS	3	Tubing	1/4" O.D. Steel Tubing U424E4	Page 31
		1/4" O.D. Nylon Tubing	21672	Page 30
	4	Tubing Adapters	1/4" O.D. Tube X 1/8"NPT straight adapter U83B1	Page 10-11
		1/4" O.D. Tube X 1/8"NPT straight adapter	B6534	
		1/4" O.D. Tube X 1/8"NPT 90 degree adapter	U87B1	
		1/4" O.D. Tube X 1/8"NPT 90 degree adapter	B6536	
	5	Plugs	1/8"NPT U119AC	Page 20



* Note: 1/4" O.D. tubing is to be used with oil only and 3/8" O.D. tubing is to be used for NLGI #2 grease or lighter. If a supply line of longer than 25 feet is needed consult factory for proper supply line size.

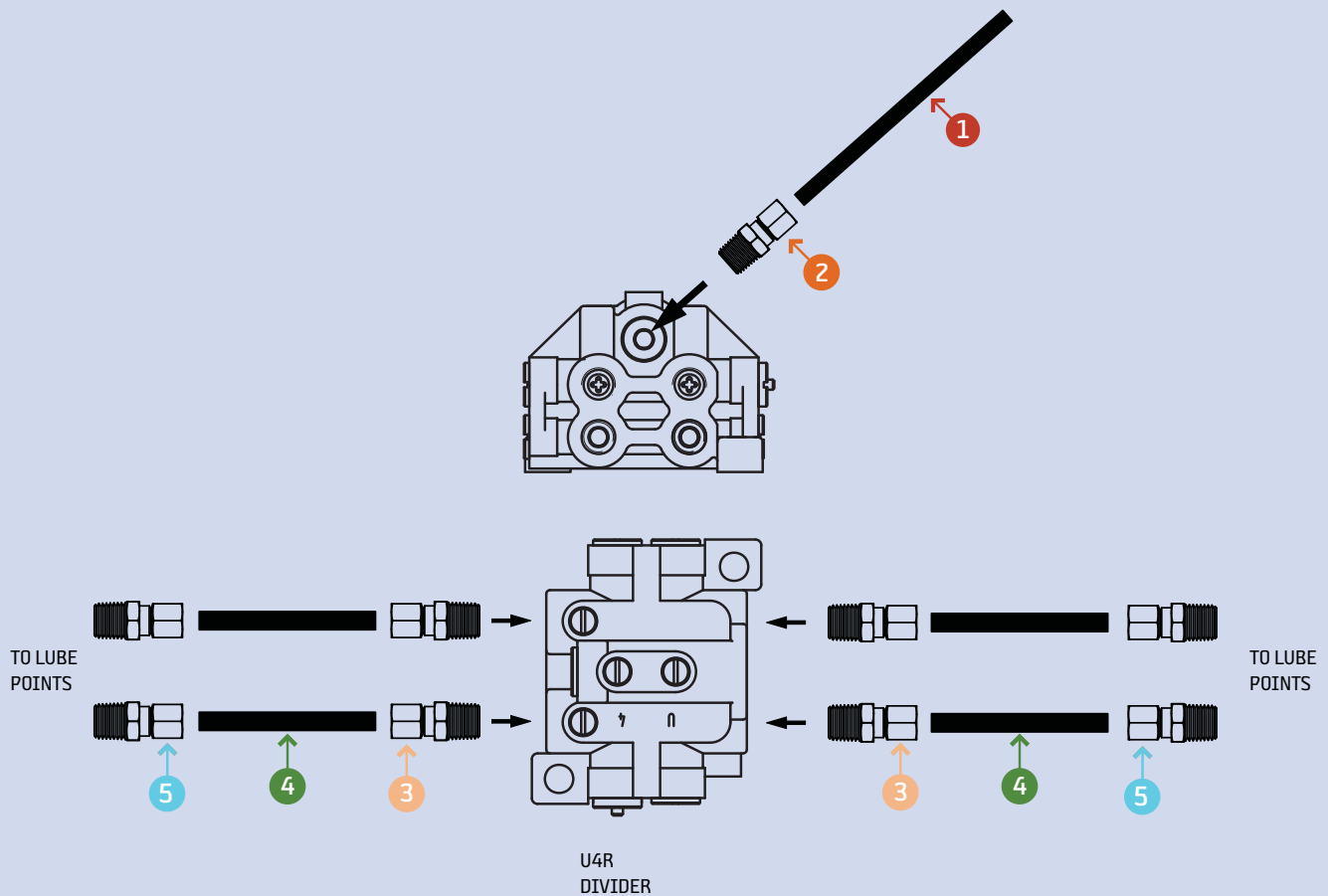
Progressive PVB/PVBM Typical Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1	Hose	1/4" I.D. hose (SAE 100R2) 5800psi wp	Page 26
			3/8" I.D. hose (SAE 100R2) 4750psi wp	
	2	Tubing	3/8" O.D. steel tubing	Page 31
FEED LINE & LUBE POINT FTGS	3	Hose Adapters	1/4" I.D. hose x female JIC swivel 7/16-20	Page 26
			3/8" I.D. hose x female JIC swivel 9/16-18	
			JIC SIZES	
			JIC x 1/4"NPT straight adapter	
	4	Tubing Adapters	JIC x 1/4"NPT 90° elbow tubing adapter	Page 27
			JIC x 1/8"NPT straight tubing adapter	
			NPT SIZES	
			1/4" O.D. tube x NPT, straight tubing adapter	
	5	Manual Override Fitting	1/4" O.D. tube x NPT, 90° elbow tubing adapter	Page 10-11
			3/8" O.D. tube x NPT, straight tubing adapter	
	6	Tee	1/8" NPT grease fitting, straight	Page 28
	7	Hose	1/8" NPT(M) x 1/8"NPT(F) x 1/8" NPT(F) male run tee	Page 7
	8	Hose Ends	5/32"(4mm) I.D. flexible hose	Page 23
	9	PVB Outlet Fittings	1/4" O.D. nylon tubing x .050 wall	Page 30
	10	Outlet Plug "B"	5/32"(4mm) I.D. hose coupling x 1/4" stand pipe	Page 23
	11	Clamping Ring "B"	1/4" O.D. TBG outlet fitting with check valve	Page 38
	12	Outlet Plug "C"	Closure plug - "b" porting (singling)	
	13	Copper Seal "C"	Closure plug - "c" porting	



Progressive U-BLOCK Typical Layout

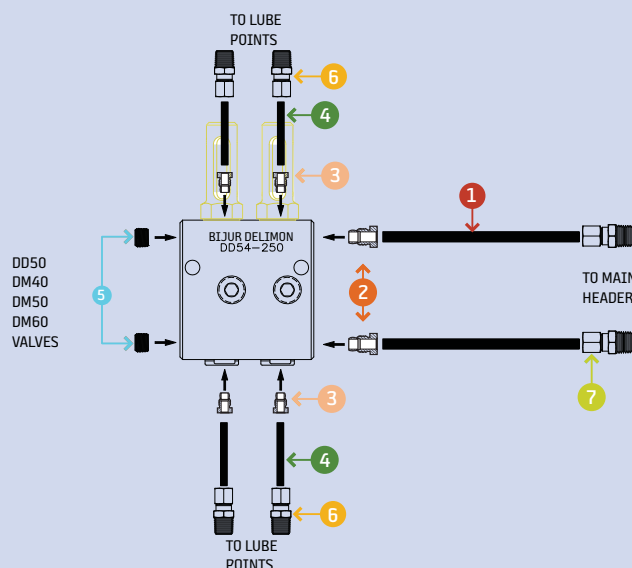
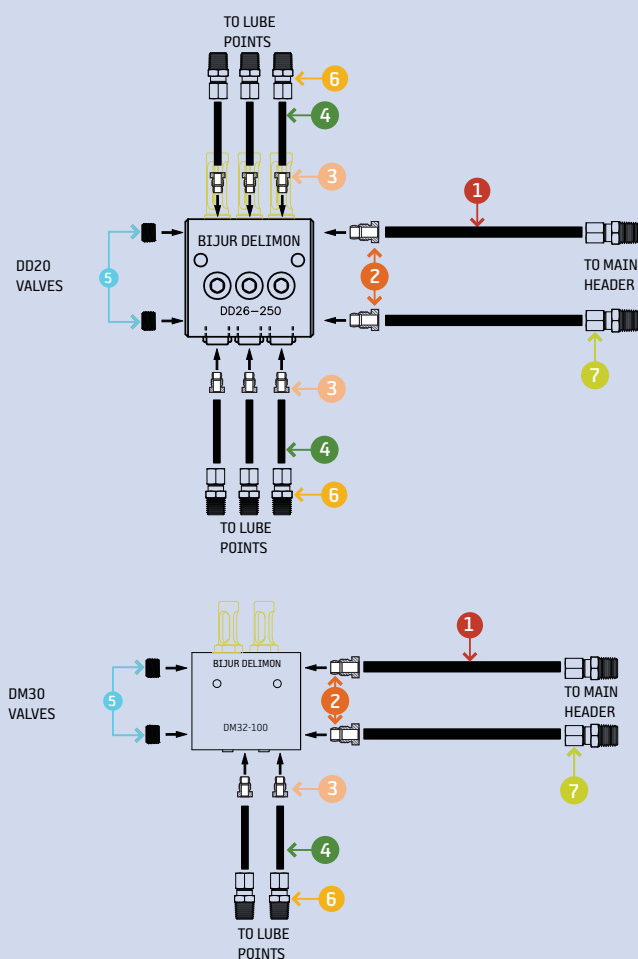
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY	1 Tubing	1/4" O.D. Steel	U424E4	Page 31
	2 Tubing Connectors	1/4"BSPT x 1/4" Tube	20806	Page 10-11
FEED LINE	3 Tubing Connectors	1/8"BSPT X 1/4" Tube	15578	Page 10-11
	4 Tubing	1/4" O.D. Nylon	B10437	Page 30
	5 Tubing Connectors	1/8"NPT X 1/4" Tube	B6534	Page 10-11



* Note: U-Block outlets cannot use standard plugs, use crossport kits.

Dualine DD/DM Typical Layout

		NAME	DESCRIPTION	EXAMPLE PART # DD20	EXAMPLE PART # DM30	EXAMPLE PART # DD50 DM40/50/60	DETAIL PART PAGES
SUPPLY LINE	1	Tubing	Steel Tubing 1/4" O.D.	U424E4	-	-	Page 31
			Steel tubing 3/8" O.D.	-	U424E6	U424E6	
	2	Tubing Connectors	One piece nut & sleeve 1/4" tube	U81B1	-	-	Page 18
			One piece nut & sleeve 3/8" tube	-	U81D3	U81D3	
FEED LINE & LUBE POINT	3	Tubing Connectors	One piece nut & sleeve 3/16" tube	U81AA1	-	-	Page 18
			One piece nut & sleeve 1/4" tube	-	U81B1	U81B2	
	4	Tubing	3/16" O.D. tubing	U424C3	-	-	Page 31
			1/4" O.D. tubing	-	U424E4	U424E4	
	5	Plugs	1/4"NPT	U119AC	-	-	Page 20
			3/8"NPT	-	U119CC	U119CC	
	6	Tubing Adapter	3/16" O.D. Tube X 1/8"NPT str adapter	U83A1	-	-	Page 10
			1/4" O.D. Tube X 1/8"NPT str adapter	-	U83B1	U83B1	
	7	Tubing Adapter	1/4" O.D. Tube X 1/8"NPT str adapter		U83B1		
			1/4" O.D. Tube X 1/4"NPT str adapter		U83B2		
			3/8" O.D. Tube X 1/8"NPT str adapter		U83D1		
			3/8" O.D. Tube X 1/4"NPT str adapter		U83D2		



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CORPORATE HEADQUARTERS (USA)

Bijur Delimon International
2100 Gateway Centre Blvd.
Suite 109
Morrisville, NC 27560

(919) 465 4448 **TEL**
(800) 631 0168 **TOLL-FREE**
(919) 465 0516 **FAX**

GERMANY

Bijur Delimon International
Arminstrasse 15
40227 Düsseldorf

(+49) 211 / 77 74-0 **TEL**
(+49) 211 / 77 74-210 **FAX**

CHINA

Nanjing Bijur Machinery Products, Ltd.
#9 Hengtong Road
Nanjing Xingang Economic & Technical
Development Zone
Nanjing 210038

(+86) 25-85801188 **TEL**
(+86) 25-85802288 **FAX**

UNITED KINGDOM

Denco Lubrication Limited
Ramsden Court
Ramsden Road Rotherwas
Industrial Estate
Hereford, HR2 6LR

(+44) (0) 1432365000 **TEL**
(+44) (0) 1432365001 **FAX**

IRELAND

Bijur Lubricating Ireland Limited
Gort Road
Ennis, County Clare

(+353) 6568-21543 **TEL**
(+353) 6568-29667 **FAX**

FRANCE

Bijur Products, Inc.
PB 50 - ZI de Courtabœuf
9, Avenue de Quebec
F-91942 Courtabœuf Cedex

(+33) (0)169298585 **TEL**
(+33) (0)169077627 **FAX**

SPAIN

Lubricacion Centralizada de Limon S.A.
Avenida Txori Erri 3
48150 Sondica Vicaya

(+34) 94-453-2000 **TEL**
(+34) 94-453-2500 **FAX**

INDIA

Bijur Delimon India Private Limited
H-Block, A 56/1
M.I.D.C., Pimpri
Pune- 411018, Maharashtra

(+91) 2032319149 **TEL**
(+91) 2027451725 **FAX**