



SPECIALTY FLUID FITTINGS & ACCESSORIES CATALOG

For Lubrication Systems
Catalog B151

Contents

Page.....4

Quick disconnect couplings

Page..... 5

90 Deg Elbow Couplings

Bulkhead Couplings

Straight Connectors

Tee Couplings

Page..... 6

90 Deg Elbow Connectors

90 Deg Adapters

Straight Couplings

Page..... 7

30, 45 & 60 degree elbow connectors

Female branch tee connectors

Male branch tee connectors

Male run tee connectors

Swivel fittings

Page..... 8

Close, hex & hex reducing nipples

Reducing bushings

Page..... 9

Straight adapters

Page..... 10

Straight tubing adapter assemblies-male

Page..... 11

90 degree tubing adapter assemblies -male

Page..... 12

90 degree tubing adapter assemblies

Straight tubing adapter assemblies -female

Straight tubing coupling adapter body

Straight tubing coupling assemblies

Page..... 13

90 degree elbow adapter body

straight tubing adapter body

Page..... 14

90 degree tubing adapter body

90 degree tubing coupling assemblies

Page.....15

Banjo tubing adapter assembly

Banjo tubing adapter body

Female branch tee tubing assembly

Tee tubing adapter

Tee tubing adapter assembly

Page.....16

Straight quick connect tubing adpt assy

Tee male branch quick connect tubing assy

Page..... 17

90 degree quick connect tubing adpt assy

Banjo quick connect tubing assembly

Straight quick connect tubing assembly

Tee quick connect coupling assembly

Quick Connect Expander

Page.....18

High Pressure quick connect fittings

Page.....19

Hex & closure plugs

Drill bushings

Page.....20

Female compression nuts

Male compression bushings

Page..... 21

Compression sleeves

Tubing inserts

Female caps

Page..... 22

Copper seals

Page.....24-25

PDI & SLR hose & assemblies

Page..... 26-27

Dualine, Injector & Progressive

Low, Med. & High pressure hose assemblies

Barrel pump & Specialty hose assemblies

Page..... 28-29

Hose

JIC adapters & 90 deg elbows

Reusable JIC hose fittings

JIC straight & tee adapters

Page..... 30-31

Straight male swivels

Grease fittings

Tubing Clips

Page..... 32

Plastic tubing

Spring cover

Wire braid cover

Page..... 33

Metal tubing

Spiral wrap

Split loom

Page..... 34-35

Check valves

Pressure relief valves

Page..... 36-39

Meter units

Page..... 40-43

Control units

Page..... 44

PVB/PVBM fittings

Chokes

Lube Point Monitor

Notes:

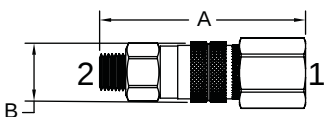
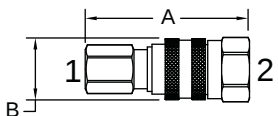
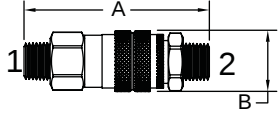
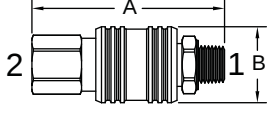
Item part numbers in BLUE are non-stock. Check with customer service for lead times. Photos/Drawings are representative of their product groups.

Contents

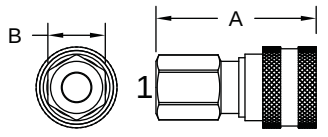
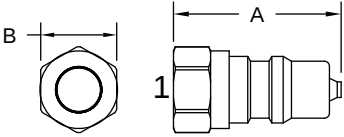
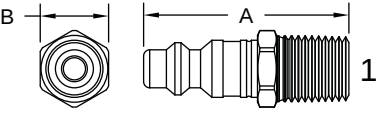
Page..... 45	Page..... 61	Page..... 75
Pneumatic Electric Solenoid Valves	Anchor Blocks	Inline Filters
Page..... 46	Anchor Tees	Fill Strainers
Electric Zone Valves	Page..... 62-63	Stainless Inline Filter
Page..... 47	Shut-off Needle Valves	Page..... 76-77
Electric Shut Off Valves	Adjustable Flow Restrictor	Air Vents
Timers	Drain Valves	Liquid Tight Fittings
Page..... 48	Indicator Caps	Ball Valves
Controllers	Brushes	Breather Vent Valves
Page..... 49	Page..... 64	Muffler Filters
Switches	Pressure Switches - Wire Leads	Vent Valves
Page..... 50	Pressure Switches - DIN Style	Deutsch Wire Assemblies
Junction Headers	Pressure Switches - Spade Type	Page..... 78
Page..... 51	Page..... 65	DIN Connectors
Junction Blocks	Pressure Switches - DIN Style	DIN Wire Assemblies
Page..... 52	Pressure Switches - Spade Type	Electric Cables
Junctions	Pressure Switches - Digital	Page..... 79
Page..... 53	Page..... 66	M12 Connectors
Special Junctions	Pressure Switches - NEMA 3	M12 Cables
Junction Bars - 1/8NPT	Pressure Switches - NEMA 4X	Bayonet Connectors
Page..... 54	Page..... 67	Page..... 80
Junction Bars - 5/16-24	Pressure Switches - NEMA 4/4X	Filter Regulators
Page..... 55	Pressure Switches - Open Frame Type	FRL's
Junction Bars - M10X1	Page..... 68	Page..... 81
Page..... 56	Pressure Switches - XP - Explosion Proof	Regulators
Junction Bars - M8X1	Page..... 69	Air Control Panels
Junction Bars - Double - 5/16-24	Pressure Switches - Air	Horns
Page..... 57	Page..... 70-71	Appendix..... 82-93
Quick Connect Junctions	Pressure Gauges	SLR Layout Compression
Page..... 58-59	Oil Level Sight Plugs	SLR Layout Continuous
ZEM Junctions	Page..... 72	PDI Layout Air-Oil
Page..... 60	Window Units	PDI Layout ZEM
Dualine Anchor Blocks	Sight Feed	PDI Layout FL-33/42/32/43
Anchor Ell	Page..... 73	PDI Layout FL-11/FL-45
	Nozzles	PDI Layout FL1/FL-44
	Page..... 74	PROG Layout 3000
	Inline Filters	PROG Layout M2500G
	Strainers	PROG Layout PVB/PVBM
		PROG Layout U-BLOCK
		DUAL Layout DD/DM

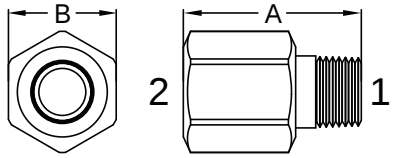
Search Tips:

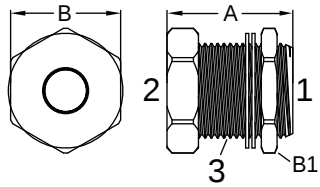
On your keyboard, push 'control' and the 'F' key together to search by part number or phrase.

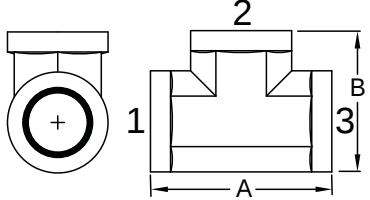
Quick Disconnect Couplings Complete	COUPLING	THREADS		BDI PART#	ISO	DIMENSIONS		DRAWINGS
		Female (1)	Male (2)			A	B	
	FS-M	1/8NPT	1/8NPT	B6571		2.09"	.625"	   
	FS-F							
		Female (1)	Female (2)			A	B	
		1/8NPT	1/8NPT	B6576		2.09"	.625"	
		1/4NPT	1/4NPT	U43521	7241-1B	2.80"	.75"	
		3/8NPT	3/8NPT	U43531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

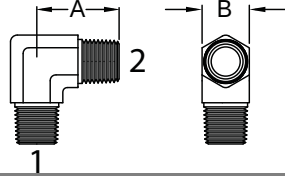
Note: To uncouple quick disconnect coupling, pull knurled sleeve in direction of arrow. To join quick disconnect coupling, push both ends together. An internal check valve prevents flow from line connected on left side, shown above.

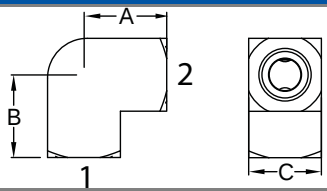
	THREAD	BDI	INFORMATION			DIMENSIONS		DRAWINGS
	Female (1)	PART #	CHECK	ISO	USED WITH	A	B	
Quick Disconnect Couplings Halves- SOCKETS 	1/8NPT	U422AC	ONE-WAY	6150B	U421A, MP	1.906"	.75"	
	1/8NPT	U422A	—	6150B	U421A, MP	1.906"	.75"	
	1/4NPT	UX43521	TWO-WAY	7241-1B	UX43522,TTN,DYN,DYX,BL,AF,MPI	2.265"	.88"	
	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)							
	1/4BSPT	52043	TWO-WAY	7241-1B	TTN	2.22"	.862"	
Quick Disconnect Couplings Halves- PLUGS 	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"	

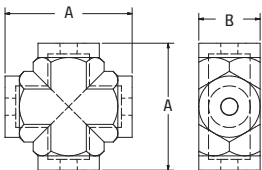
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	
Straight Connector 	1/8NPT	1/8NPT	35629-1	A3920	.75"	.50"	
	1/8NPT	1/8NPT	—	A3528	1.0"	.50"	
	1/8NPT	1/8NPT	35629-2	A2540	1.25"	.50"	

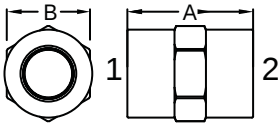
	THREADS		BDI PART #		DIMENSIONS			DRAWING
	Female(1)	Female(2)	Male(3)	Brass	A	B	B1	
Bulkhead Coupling With Nut 	1/8NPT	1/8NPT	3/4-20	21230-1	1.0"	.88"	.88"	
	1/4NPT	1/4NPT	3/4-16	15757	0.938"	1.0"	1.0"	
	3/8NPT	3/8NPT	1-14	U162C	1.31"	1.0"	1.0"	
	1/2NPT	1/2NPT	1-1/8-14	U162D	1.50"	x	x	

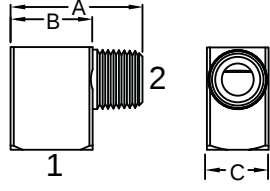
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Female(1)	Female(2)	Female(3)	Steel	Brass	A	B	
Tee Coupling 	1/8NPT	1/8NPT	1/8NPT	—	A4071	.562"	.75"	
	1/8NPT	1/8NPT	1/8NPT	—	U137A	1.125"	.563"	
	1/4NPT	1/4NPT	1/4NPT	—	B9592	1.438"	1.625"	
	1/4NPT	1/4NPT	1/4NPT	—	U137B	1.56"	.781"	
	1/4NPT	1/4NPT	1/4NPT	U163B	—	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"	
	1/4BSPT	1/4BSPT	35858	—	28MM	28MM	

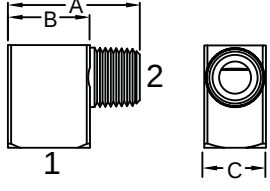
	THREADS		BDI PART #		DIMENSIONS			DRAWING
	Female(1)	Female(2)	Steel	Brass	A	B	C	
90 Deg Elbow Coupling 	1/8NPT	1/8NPT	—	B8025	.5625"	.5625"	.5625"	
	1/8NPT	1/8NPT	U134A	—	.5468"	.5468"	.5468"	
	1/4NPT	1/4NPT	U134B	—	.781"	.781"	.781"	

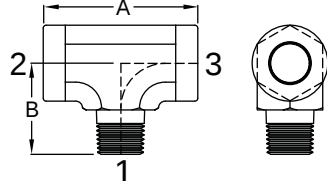
	THREADS				BDI PART #		DIMENSIONS		DRAWING
	Female(1)	Female(2)	Female(1)	Female(2)	Steel	Brass	A	B	
Crosses 	3/4NPT	3/4NPT	3/4NPT	3/4NPT	32213	-	2.72"	1.313"	
	1/4NPT	1/4NPT	1/4NPT	1/4NPT	37068	-	1.76"	.75"	

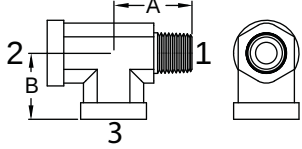
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Female(1)	Female(2)	Steel	Brass	A	B	
Straight Coupling 	1/8NPT	1/8NPT		B6539	.75"	.50"	
	1/4NPT	1/4NPT	-	B8614	1.12"	.75"	
	1/4NPT	1/4NPT	U112B*	-	1.25"	.72"	
	3/8NPT	3/8NPT	UX84D	-	1.50"	.81"	
	1/2NPT	1/2NPT	U112D*	-	2.12"	1.06"	
	3/4NPT	3/4NPT	U112E*	-	2.0"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

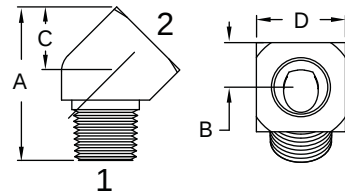
	THREADS		BDI PART #		DIMENSIONS			DRAWING
	Male(2)	Female(1)	Steel	Brass	A	B	C	
90 Degree Elbow Connector 	1/4-28	1/4-28	—	B4453	.53"	.313"		
	1/4-28	1/4-28	—	B6241	.656"	.312"		
	1/8NPT	1/8NPT	—	A2768	.812"	.50"		
	1/8NPT	1/8NPT	—	B1936	.938"	.50"		
	1/8NPT	1/8NPT	—	A2309	1.25"	.50"		
	1/8NPT	1/8NPT	—	B1741	2.0"	.50"		
	1/8NPT	1/8NPT	—	A2539	1.63"	.50"		
	1/8NPT	1/8NPT	—	B1936	.937"	.50"		
	1/8NPT	1/8NPT	U1104AS	—	1.00"	.50"		
	1/4NPT	1/4NPT	—	U152B	1.12"	.688"		
	1/4NPT	1/4NPT	U1104B	—	1.34"	.69"	.69"	
	3/8NPT	3/8NPT	U1104C	U152C	1.75"	.88"	1.01"	
	1/2NPT	1/2NPT	—	B8930-1	1.97"	1.67"		
	1/2NPT	1/2NPT	32582-1	—	1.97"	1.23"		
	M6X1	M6X1	—	AR108	14MM	8MM		
	M8X1	M8X1	—	AR120	19MM	11MM		

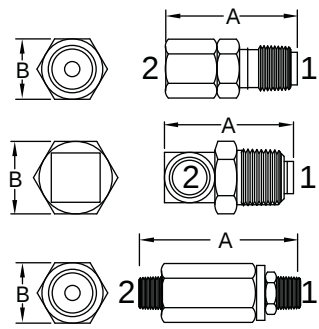
* CHROME

	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"	
	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	—	20MM	.472"	
	M8X1*	1/8NPT	—	AR1682	20.7MM	12.7MM	
	M8X1.25*	1/8NPT	—	AR105	21MM	.50"	
	M10X1.5*	1/8NPT	—	AR106	21MM	.50"	

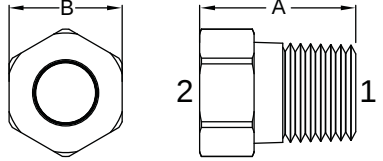
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Female(3)	Steel	Brass	A	B	
Tee Connectors Male Branch Tee 	1/8NPT	1/8NPT	1/8NPT	—	B4390	.50"	.687"	
	1/4NPT	1/4NPT	1/4NPT	37270	B10101	1.73"	1.1"	

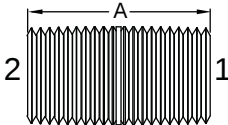
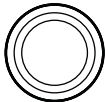
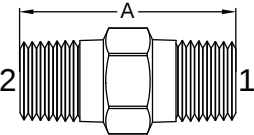
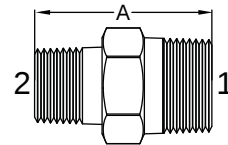
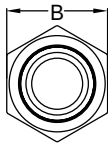
	THREADS			BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Female(3)	Steel	Brass	A	B	
Tee Connectors Male Run Tee 	1/8NPT	1/8NPT	1/8NPT	—	15922	.78"	.55"	
	1/8NPT	1/8NPT	1/8NPT	26978	—	.78"	.66"	
	1/8NPT	1/8NPT	1/8NPT	—	U156A	.656"	.562"	
	1/4NPT	1/4NPT	1/4NPT	19283	—	.78"	.66"	
	1/4NPT	1/4NPT	1/4NPT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

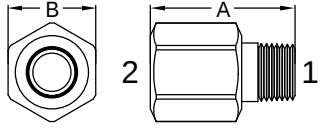
	THREADS			BDI PART #		DIMENSIONS				DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	C	D	DEGREE	
30, 45 & 60 Deg Elbow Connectors 	1/4-28	1/8NPT	20-6	—	.812"	.25"	.28"	.50"	45 DEG	
	1/8NPT	1/8NPT	—	B3133C	.83"	.25"	.25"	.50"	45 DEG	
	1/8NPT	1/8NPT	—	B2686	.81"	.25"	.25"	.50"	60 DEG	
	1/8NPT	1/8NPT	—	B2778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

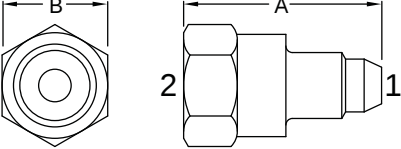
		THREADS		BDI PART #		DIMENSIONS			DRAWINGS	
		Male(1)	Female(2)	Steel	Brass	PSI	NOTES	A		B
Swivel Fittings		1/8NPT	1/8NPT	B5776	—	20	ELBOW SWIVEL	1.312"	.50"	
		1/8NPT	1/8NPT	B6666	—	20	STRAIGHT SWIVEL	1.312"	.50"	
		1/8NPT	1/8NPT	—	U9975	1000	ELBOW SWIVEL*	2.34"	.562"	
		1/8NPT	1/8NPT	—	22633	20	ELBOW SWIVEL(B5776C)	39MM	.50"	
		1/4NPT	1/4NPT	—	U9976	1000	ELBOW SWIVEL*	2.34"	.562"	
*Internal bearing swivel										
		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"
	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"

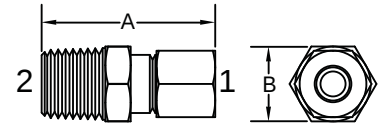


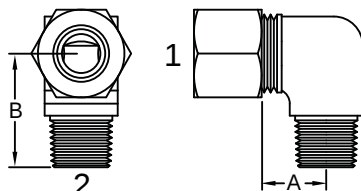
THREADS		BDI PART #				DIMENSIONS			DRAWINGS
Male(1)	Male(2)	Steel	Brass	Stainless	A	B	TYPE		
Nipples	5/16-24	5/16-24	—	20124*	—	1.156"	.375"	2	TYPE 1 CLOSE NIPPLE  TYPE 2 HEX NIPPLE  TYPE 3 HEX REDUCING NIPPLE  * JUNCTION BAR CONNECTOR ** INCLUDES INTERNAL 5MM HEX ONE END
	1/8NPT	1/8NPT	-	A4019	—	.828"	.375"	2	
	1/8NPT	1/8NPT	35790-1	—	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	35790-2	—	—	1.375"	.625"/.562"	2		
1/4NPT	1/4NPT	—	U15122	—	1.375"	.562"	2		
1/4NPT	1/4NPT	—	7108415	—	.875"	-	1		
1/4NPT	1/8NPT	35790-5	B9593	—	1.19"	.562"	3		
1/4NPT	1/8NPT	—	22675	—	33MM	16MM	3		
3/8NPT	3/8NPT	35790-3	32485-1	—	1.41"	.687"/.75"	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	35790-6	U15132	—	1.40"	.562"	3		
1/2NPT	1/2NPT	35790-4	—	—	1.89"	.875"	3		
1/2NPT	1/2NPT	FIT13682A5	—	—	2.0"	.875"	2		
1/4BSPT	1/4BSPT	35857	AR697	—	35MM / 27MM	14MM	2		
M8X1	M8X1	—	34957C	—	13MM	-	1		
M8X1	M8X1	—	15822*	—	.828"	10MM	2		
M10X1	M10X1	—	34958C	—	15MM	-	1		
M10X1	M10X1	—	60414-1**	—	16MM	-	1		
M10X1	M10X1	—	25632*	—	26MM	11MM	1		
M10X1	M10X1	—	AR1110	—	21MM	10MM	2		
M12X1	M12X1	—	34959C	—	17MM	-	1		
M12X1	M12X1	—	60414-2**	—	18MM	-	1		

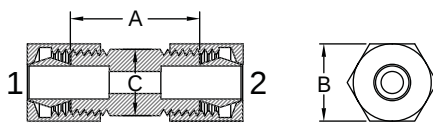
	THREADS		BDI PART #			DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	Stainless	A	B	
Straight Adapter 	10-32*	1/8NPT	—	32667	—	.70"	.437"	
	1/4-28*	1/8NPT	B4311	—	—	3/4"	.50"	
	1/4-28*	1/8NPT	20-1	—	—	.875"	.50"	
	1/8NPT	1/8BSPP	—	26718	—	17.65MM	14MM	
	1/8NPT	1/4NPT	—	B9686	—	1.06"	.75"	
	1/8NPT	1/4NPT	202-2	—	—	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	B10279-4C	—	—	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	
	1/8BSPT	1/8NPT	79S2A2RT	—	—	1.0"	.562"	
	1/4BSPP	1/8BSPP	73490-2123	—	—	28MM	19MM	
	1/4BSPT	1/4NPT	—	35673-1	—	28.5MM	17MM	
	1/4BSPT	1/4NPT	36465	—	36465-SS	1.37"	.75"	
	1/4BSPP	3/8BSPP	73490-2143	—	—			
	3/8BSPP	3/8NPT	B10279-5	—	—	1-1/4"	.875"	
	3/8BSPT	3/8NPT	36465-2	—	—	1.38"	.875"	
	3/8BSPT	3/8NPT	—	35673-2	—	29.5MM	22MM	
	1/2BSPT	1/2NPT	36465-3	—	—	1.88"	1.125"	
	3/4BSPT	3/4NPT	36465-4	—	—	1.95"	1.375"	
	1BSPT	1NPT	36465-5	—	—	2.38"	1.625"	
	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	
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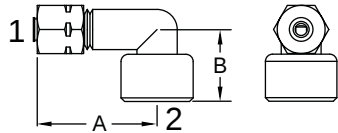
	THREADS		BDI PART #		DIMENSIONS		DRAWING
	Male(1)	Female(2)	Steel	Brass	A	B	
Straight Adapter Bijur Special 	5/16-24	1/8NPT	36054	B6056	15/16"	.50"	

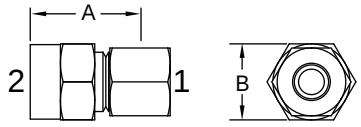
	TUBE / THREADS		BDI PART #			DIMENSIONS		DRAWING
	Tube OD(1)	Male(2)	Steel	Brass	Stainless	Notes	A	B
Straight Tubing Adapter Assembly 	1/8	1/4-28	—	27727	35722		.82"	.375"
		1/8NPT	—	27594-1	35655-1		.97"	.437"
		1/8NPT	—	27726	—		.82"	.437"
	5/32	1/8NPT	—	B3297	—		.875"	.375"
		1/8NPT	32995	—	—		28MM	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	—	—		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"
	5/16	1/8NPT	—	35532	—	CAPTIVE SLEEVE	1.13"	.562"
		1/8NPT	B10090-3	—	—		1.10"	.562"
		1/4NPT	—	35533	—	CAPTIVE SLEEVE	1.35"	.562"
		1/4BSPP	B10176-5	—	—		1.75"	.75"
	3/8	1/8NPT	—	35436	—	CAPTIVE SLEEVE	1.19"	.625"
		1/8NPT	7962FBUS	—	34046		1.75"	.75"
		1/4NPT	U83D2	U83D2B	34045		1.75"	.75"
		1/4NPT	B10090-5	—	—		1.8"	.687"
		1/4NPT	—	35437	—	CAPTIVE SLEEVE	1.36"	.625"
		1/4NPT	—	B6514	—		1.42"	.562"
		3/8NPT	U83D3	—	—		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	—	55310		1.10"	.812"
		3/8NPT	—	U73EM3	—		1.8"	.866"
		1/2NPT	—	U73EM4	—		2.14"	1.01"
		1/2NPT	U53EM4	—	—		1.30"	.875"
	4MM	1/8BSPT	73442-1114	—	—		28MM	10MM
		1/8BSPT	AR974	—	—		25MM	10MM
		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	—	—	L 300 bar	33.5MM	14MM
		1/4BSPP	AR959	—	—	S 400 bar	40MM	19MM
		M6X1	AR1594	—	—		28.5MM	11MM
		M8X1	53669T	—	—		36.5MM	11MM
		M10X1	73442-1244	—	—		31MM	14MM
		M10X1	AR426	—	—		33MM	14MM
	6MM	M12X1	FB1098	—	—		46.5MM	17MM
		1/8NPT	AR167	—	—		32MM	14MM
		1/4BSPP	AR384	—	—		35MM	17MM
		M10X1	73442-1344	—	—		28MM	12MM
		M10X1	AR1028	—	—		34MM	17MM
		M12X1	AR1027C	—	—		35MM	17MM
		M14X1.5	AR1280	—	—		40MM	19MM
		M14X1.5	—	AR265	—		—	19MM
	8MM	1/8NPT	—	—	—		39MM	19MM
		1/8BSPP	AR898	—	—		35.5MM	17MM
		1/4BSPP	AR385	—	—		36MM	19MM
		M14X1.5	AR1417	—	—		36MM	19MM
		M16X1.5	AR906	—	—		40MM	22MM
		M16X1.5	—	—	—		—	—
	10MM	1/4BSPP	AR790	—	—		26.5MM	22MM
		M14X1.5	AR1281	—	—		27MM	22MM
		M14X1.5	—	—	—		—	—
		M14X1.5	—	—	—		—	—

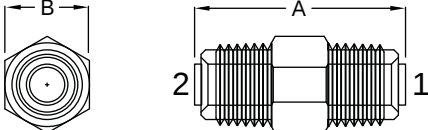


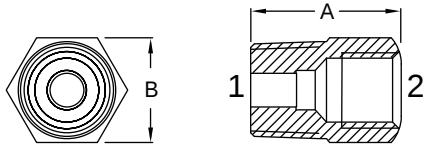
TUBE/THREADS			BDI PART #			DIMENSIONS			DRAWING	
Tube OD(1)	Male(2)	Steel	Brass	Stainless	Notes	A	B			
90 Degree Tubing Adapter Assembly 	1/8	1/4-28	—	27728	—		.50"	.515"		
		1/8NPT	—	—	35655-2		.656"	.75"		
		1/8NPT	—	27725	—		.50"	.656"		
	5/32	1/8NPT	—	B3298	—		.812"	.875"		
	3/16	1/8NPT	—	B10286	—		.625"	.687"		
		1/8NPT	—	35438	—	CAPTIVE SLEEVE	.61"	.69"		
	1/4	1/8NPT	—	B6536	—		.687"	.812"		
		1/8NPT	—	B10390-1	—		.62"	.75"		
		1/8NPT	B10092-2	—	—		.89"	.78"		
		1/4NPT	—	B6535	—		.687"	.812"		
		1/4NPT	B10092-1	—	—		1.03"	1.09"		
	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"		
		1/4NPT	—	B6519	—		.812"	.875"		
		1/4NPT	B10092-4	—	—		1.25"	.968"		
		1/4NPT	—	35440	—	CAPTIVE SLEEVE	.74"	.93"		
		1/4NPT	—	B10287-1	—	45 DEG	.55"	.80"		
	1/2	3/8NPT	U57EM3	—	55311		.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	—	—	S 400 bar	16MM	26MM		
		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	
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"
	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	—		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	—		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
								

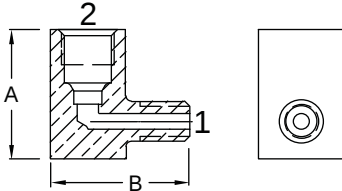
	TUBE / THREADS		BDI PART #		DIMENSIONS			DRAWING
	Tube OD(1)	Female(2)	Steel	Brass	INFO	A	B	
90 Degree Tubing Adapter Assembly 	3/16	1/8NPT	—	35445	CAPTIVE SLEEVE	.98"	.56"	
	3/8	1/2NPT	—	U164K		1.56"	1.18"	

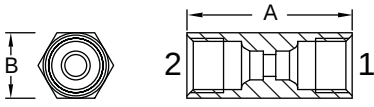
	TUBE / THREADS		BDI PART #		DIMENSIONS		DRAWING
	Tube OD(1)	Female(2)	Steel	Brass	A	B	
Straight Tubing Adapter Assembly 	1/4	1/8NPT	—	B8026	.875"	.50"	

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	5/32	5/16-24	5/16-24	5/32	—	B2306	1.0"	.375"		
Used with B1095 & B1061/B8272.										

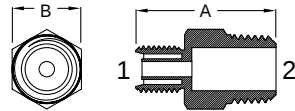
THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING	
Male (1)	Female for Tube OD (2)		Steel	Brass	A	B			
	Thread	Tube OD							
Straight Tubing Adapter Body 	1/4-28	5/16-24	3/32	B4316**	—	3/4"	.375"		
	1/4-28	5/16-24	4MM-5/32	B4312**	—	3/4"	.375"		
	1/4-28	5/16-24	4MM-5/32	—	B2626	1"	.375"		
	1/8NPT	5/16-24	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	M8X1	4MM-5/32	—	AR1113	16MM	11MM		
	M12X1	M10X1	6MM	34987	—	20MM	17MM		* TAPERED **ZINC

See page 18-19 for compression sleeves and bushings.

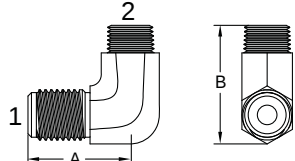
THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING
Male (1)	Female for Tube OD (2)		Steel	Brass	A	B		
	Thread	Tube OD						
90 Degree Elbow Adapter Body  See page 18-19 for compression sleeves and bushings.	1/4-28	5/16-24	5/32-4MM	19285	—	.625"	.88"	
	5/16-24	5/16-24	5/32-4MM	—	20131	20MM	.88"	
	1/8NPT	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"	
	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			

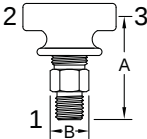
THREADS / TUBE					BDI PART #		DIMENSIONS		DRAWING
Female for Tube OD (1)		Female for Tube OD (2)		Steel	Brass	A	B		
Tube OD	Thread	Thread	Tube OD						
Straight Tubing Coupling Body	5/32	5/16-24	5/16-24	5/32	—	A2899	.94"	.375"	
	4MM	M8X1	M8X1	4MM	—	19450	.94"	.39"	

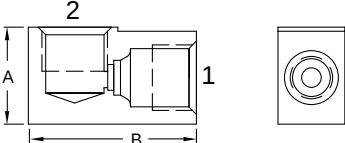
* See page 18-19 for tubing connections.

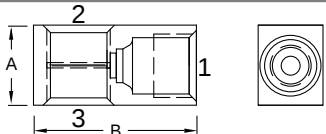
THREADS / TUBE			BDI PART #		DIMENSIONS		DRAWING	
Male for Tube OD (1)		Male (2)	Steel	Brass	A	B		
Thread	Tube OD							
Straight Tubing Adapter Body 	1/4-28	3/32	1/4-28	—	B4452	.594"	.312"	
	1/4-28	3/32	M6X1*	—	AR107	15mm	8mm	
	5/16-24	5/32	5/16-24	—	B3794	1.2"	.375"	
	1/8NPT	5/32	5/16-24	—	B2253	.90"	.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"	
*Taper								

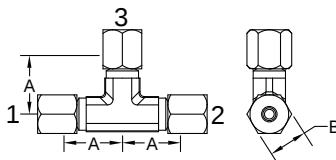
THREADS / TUBE				BDI PART #		DIMENSIONS		DRAWING
Male (2)	Male for Tube OD (1)		Steel	Brass	A	B		
	Thread	Tube OD						
90 Degree Tubing Adapter Body 	1/8NPT	3/8-24	3/16	B7747	—	.62"	.69"	
	1/8NPT	7/16-24	1/4	—	B7743	.75"	.80"	
	1/4NPT	7/16-24	1/4	—	B9852	.62"	.75"	

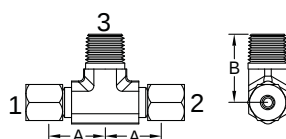


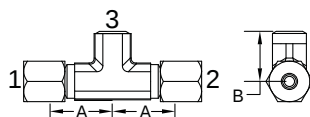
THREADS / TUBE					BDI PART #		DIMENSIONS		DRAWING	
Female for Tube OD (2)		Female for Tube OD (3)		Male (1)	Steel	Brass	A	B		
Thread	Tube OD	Thread	Tube OD							
Tee Tubing Adapter 	5/16-24	5/32	5/16-24	5/32	5/16-24	—	20632	1.156"	.375"	

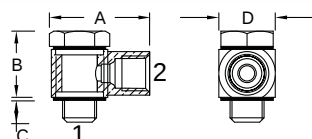
	THREADS / TUBE			BDI PART #		DIMENSIONS		DRAWING
	Female (2)	Female for Tube OD (1)		Steel	Brass	A	B	
		Thread	Tube OD					
90 Degree Elbow Tubing Adapter	1/8NPT	5/16-24	5/32	—	B3921	.50"	.90"	
								

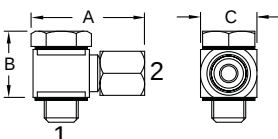
THREADS / TUBE					BDI PART #	DIMENSIONS		DRAWING	
Female (2)	Female (3)	Female for Tube OD (1)		Steel	Brass	A	B		
		Thread	Tube OD						
Female Tee Tubing Adapter	1/8NPT	1/8NPT	5/16-24	5/32	—	A4042	.50"	.90"	
									

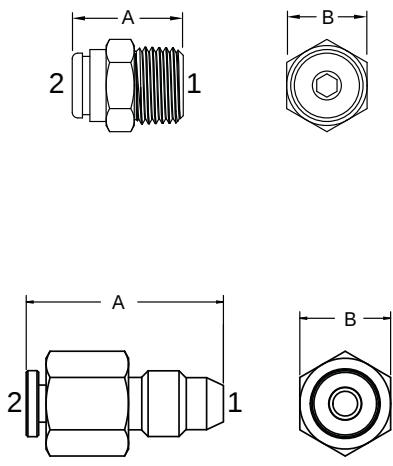
	TUBE			BDI PART #		DIMENSIONS			DRAWING
	Tube(1)	Tube(2)	Tube(3)	Steel	Brass	NOTES	A	B	
Tee Tubing Adapter Assembly 	5/32-4MM	5/32-4MM	5/32-4MM	B10093-7	—		.60"	10MM	
	1/4	1/4	1/4	—	B8109		.625"	.50"	
	5/16	5/16	5/16	—	35537	CAPTIVE SLEEVE	.74"	.562"	
	3/8	3/8	3/8	—	35444	CAPTIVE SLEEVE	.74"	.625"	
	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	—				

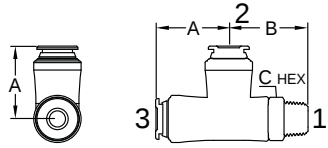
	TUBE / THREADS			BDI PART #		DIMENSIONS		DRAWING
	Tube(1)	Tube(2)	Male(3)	Steel	Brass	A	B	
Male Branch Tee Tubing Assembly 	1/4	1/4	1/4NPT	15209-3	—	1.03"	1.09"	
	3/8	3/8	1/8NPT	—	35443	.75"	.75"	

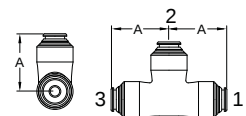
	TUBE / THREADS			BDI PART #		DIMENSIONS		DRAWING
	Tube(1)	Tube(2)	Female(3)	Steel	Brass	A	B	
Female Branch Tee Tubing Assembly 	1/4	1/4	1/8NPTF	B10091-1	—	.89"	.66"	
	1/2	1/2	3/8NPTF	B10091-3	-	1.23"	1.02"	

	THREADS / TUBE		BDI PART #		DIMENSIONS				DRAWING
	Male (1)	Female for Tube OD (2) Thread Tube OD	Steel	Brass	A	B	C	D	
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	M12X1.5	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	

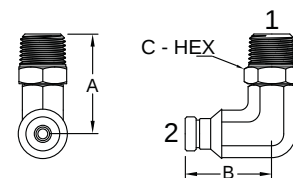
	QC TUBE / THREADS		BDI PART #		DIMENSIONS		DRAWING
	Tube OD (2)	Male (1)	Brass	Ni-Brass	A	B	
Straight Quick Connect Tubing Adapter Assembly 	1/8	1/8NPT	—	20101-9	14.5MM	11MM	 AR5005 290 psi / 20 bar max
	5/32-4MM	5/16-24	AR5005	—	23.9MM	11MM	
		1/8NPT	—	20101-1	16.5MM	11MM	
		10-32	—	27393	17.5MM	.34"RND	
		1/4-28	—	35746-1	.88"	7/16"	
		1/8BSPT	—	85492-2	19.3MM	10MM	
		1/4BSPT	—	35262	16.5MM	14MM	
		M8X1	—	AR5076	22.5MM	10MM	
		M6X1	—	AR1849	26MM	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	—	20101-3	27.8MM	14MM	
	3/8	1/4NPT	—	20101-12		16MM	
	6MM	1/8NPT	—	20101-6	20.2MM	11MM	
		M10X1	—	AR1855	23MM	13MM	
		M8X1	—	AR5016	22.5MM	13MM	
		M12X1	—	AR2052	23MM	16MM	
		1/8BSPT	—	21459-2	18.5MM	11MM	
		1/4BSPP	—	AR5017	23.5MM	16MM	
		1/4BSPT	—	AR1979	24MM	14MM	
	8MM	M6X1	—	AR2050			
		M10X1	—	AR2158	27.6MM	14MM	
		M12X1	—	AR2019			
		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		

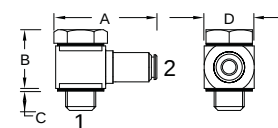
QC TUBE / THREADS		BDI PART #		DIMENSIONS			DRAWING
Tube OD (2)	Male (1)	Steel	Ni-Brass	A	B	C	
90 Degree Quick Connect Tubing Adapter Assembly 	1/8	1/8NPT	—	32394-1	.67"	.74"	-
	5/32-4MM	1/8NPT	—	15920-1	22MM	18MM	.406"
		1/4-28	—	35746-2	.48"	.60"	-
		10-32	—	27305	.93"	.726"	.437"
		M6X1	—	AR2120	17MM	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	1/4BSPP	—	AR2095	41MM	30MM	19MM

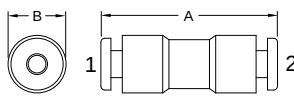
290 psi / 20 bar max



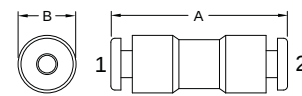
QC TUBE		BDI PART #		DIMENSIONS				DRAWING
Tube OD (2)	Male (1)	Steel	Ni-Brass	A	B	C	D	
90 Degree Quick Connect Tubing Banjo Assembly 	4MM	M10X1	—	34763		20MM	8MM	14MM
	6MM	M12X1	—	AR2142				
	6MM	1/8BSPP	—	AR2143	30MM	20MM	8MM	14MM
	6MM	1/4BSPP	—	AR2144	30MM	20MM	8MM	14MM
	8MM	M10X1	—	AR2145				
	8MM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

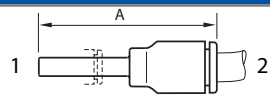
290 psi / 20 bar max



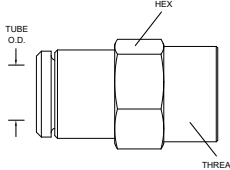
QC TUBE		BDI PART #		DIMENSIONS		DRAWING
Tube OD (1)	Tube OD (2)	Nylon	Ni-Brass	A	B	
Straight Quick Connect Coupling Assembly 	5/32	5/32	35526	—	.98"	
	1/4	1/4	34021-1	—	1.37"	
	4MM	4MM	60075	AR2059	33MM	
	6MM	6MM	—	AR2061	36MM	
	8MM	8MM	—	AR2062	38MM	
	10MM	10MM	—	AR2063		

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"	

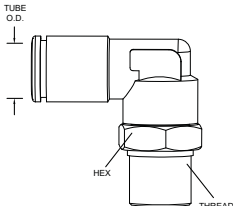
QC fittings for use with Nylon tubing

QC TUBE / THREADS		BDI PART #		DIMENSIONS		DRAWING	
	Tube OD	Male	Ni-Brass	HEX			
Straight HP Quick Connect Tubing Adapter	1/4	1/8NPT	AR5206	12mm			
		1/4-28	AR5205*	12mm			
	4MM	1/8NPT	AR5227	11mm			
		1/4-28	AR5228	11mm			
		1/8BSPT	AR5141*	10mm			
		M6X1 Tap	AR5132*	10mm			
		M8X1 Tap	AR5135*	10mm			
		M10X1 Tap	AR5138	11mm			
	6MM	1/8NPT	AR5202	12mm			
		1/4-28	AR5221*	12mm			
		1/8BSPT	AR5114	12mm			
		M6X1 Tap	AR5196*	12mm			
		M8X1 Tap	AR5220*	12mm			
		M10X1 Tap	AR5203*	12mm			



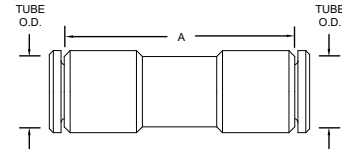
* Order mins may apply

1160 psi / 80 bar max

QC TUBE / THREADS		BDI PART #		DIMENSIONS		DRAWING	
	Tube OD	Male	Ni-Brass	HEX			
90 Deg Swivel HP Quick Connect Tubing Adapter	1/4	1/8NPT	AR5204	12mm			1160 psi / 80 bar max
		1/4-28	AR5207	12mm			
		1/4BSPT	AR5184	14mm			
	4MM	1/8NPT	AR5225	11mm			
		1/4-28	AR5226*	11mm			
		1/8BSPT	AR5143*	10mm			
		M6X1 Tap	AR5134	10mm			
		M8X1 Tap	AR5137*	10mm			
		M10X1 Tap	AR5140*	11mm			
	6MM	1/8NPT	AR5194	12mm			
		1/4-28	AR5223	12mm			
		1/8BSPT	AR5130	12mm			
		M6X1 Tap	AR5129	12mm			
		M8X1 Tap	AR5197	12mm			
		M10X1 Tap	AR5222*	12mm			



* Order mins may apply

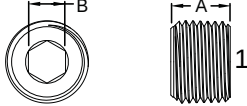
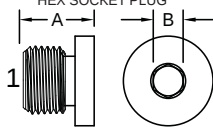
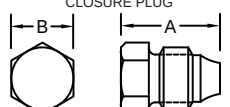
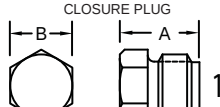
QC TUBE / THREADS		BDI PART #	DIMENSIONS	DRAWING	
Tube OD	Tube OD	Ni-Brass	A		
Union HP Quick Connect Tubing Adapter Assembly 	1/4	1/4	AR5210	30mm	 1160 psi / 80 bar max
	5/32-4MM	5/32-4MM	AR5229	26mm	
	6MM	6MM	AR5224	29.5mm	

* Order mins may apply

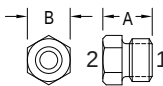
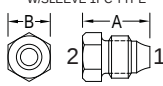
HP Fitting Notes:

The quick connect fittings on this page are suggested to be used with high pressure nylon tubing listed below or hose & standpipe w/claw groove fittings on page 23.

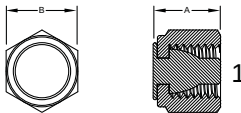
1/4" 70420-25
 4mm 21267
 6mm 731002173

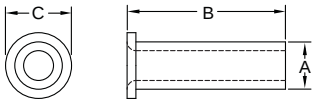
	THREADS		BDI PART #			DIMENSIONS		COPPER WASHER/ O-RING REQUIRED	DRAWINGS
	Male (1)	Steel	Brass	Stainless	TYPE	A	B		
Plugs  HOLLOW HEX PIPE PLUG  HEX SOCKET PLUG  HEX HEAD PLUG  CLOSURE PLUG	5/16-24	—	B3784	—	4	.625"	.312"		TYPE 1 HOLLOW HEX PIPE PLUG  TYPE 2 HEX SOCKET PLUG  TYPE 3 HEX HEAD PLUG  TYPE 4 CLOSURE PLUG  TYPE 5 CLOSURE PLUG 
	5/16-24	—	B3992	—	5	.468"	.312"		
	5/16-24	—	BB3992*	—	5	.468"	.312"		
	5/16-24	—	34496**	—	4	.625"	.312"	X	
	5/16-24	—	—	27336SS	4	.497"	.312"		
	1/16NPT	U119ZC	—	—	1	.312"	.156"		
	1/8NPT	35573-1	—	—	3	.75"	.562"		
	1/8NPT	U119AC	—	UST119AC	1	.312"	.187"		
	7/16-20	64161S001	—	—	2	10mm	6mm	X	
	1/4NPT	35573-2	—	—	3	—	.437"		
	1/4NPT	U119BC	—	UST119BC	1	.437"	.25"		
	9/16-18	MCS2507	—	—	2	.49"	.25"	X	
	3/8NPT	U119CC	—	—	1	.50"	.312"		
	3/8NPT	—	—	35664	1	.87"	.69"		
	1/2NPT	U119DC	—	—	1	.562"	.375"		
	3/4NPT	U119EC	—	—	1	.625"	.562"		
	1/4BSPP	35009	—	—	3	12.5MM	7MM	X	*BAG OF 25 B3992 **BAG OF 10 B3784 ***BAG OF 10 15322 ****Includes 1/4NPSF female tap
	1/8BSPT	19026	—	—	1	8MM	5MM		
	1/4BSPT	AR165	—	—	1	10MM	6MM	X	
	3/8BSPP	741062118	—	—	3	—	—	X	
	M8X1	—	15322	—	4	15.87MM	8MM	X	
	M8X1	—	34497***	—	4	15.37MM	8MM	X	
	M10X1	74106-1164	—	—	2	11MM	5MM	X	
	M10X1	AR1024	—	—	2	12MM	5MM		
	M12X1	AR1025	—	—	2	12MM	5MM		
	M12X1	35008	—	—	2	15MM	17MM	X	
	M14X1.5	—	34773	—	3	10MM	—	X	
	M16X1.5	45111	—	—	2	15MM	—	X	
	M22X1.5	22454	—	—	5	20MM	27MM	X	
	M22X1.5	37160****	—	—	5	20MM	27MM	X	

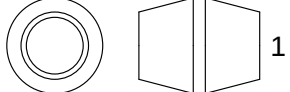
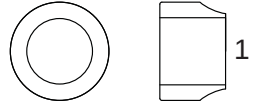
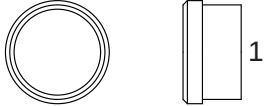
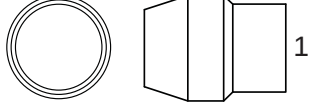
	TUBE	BDI PART #		INFORMATION		DRAWING
	Tube OD (1)	Steel	Brass	TYPE	DRILLED HOLE SIZE (2)	
Drive Bushings 	5/32	-	B3596	REAMED TAPER	.20"	
	5/32	B4067	-	STRAIGHT DRILL	1/4"	
	3/32	-	B5271	REAMED TAPER	9/64"	
	3/32	B4440	-	STRAIGHT DRILL	11/64"	

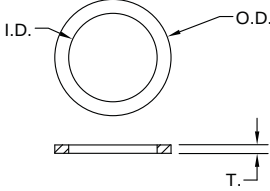
	TUBE / THREADS		BDI PART #		DIMENSIONS			TYPE	NOTES	DRAWINGS
	Tube OD (2)	Male (1)	Steel	Brass	Stainless	A	B			
Male Compression Bushings 	3/32	5/16-24	—	B3373	—	.468"	.375"	1		TYPE 1 WITH NO SLEEVE  TYPE 2 W/SLEEVE 1PC TYPE  TYPE 3 W/SLEEVE 2PC TYPE 
	3/32	5/16-24	—	BB3373	—	.468"	.375"	1	BAG/25 B3373	
	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	ZINC-NICKEL	
	3/16	3/8-24	—	B1914	—	.531"	.375"	1		
	3/16	1/8NPSF	U81AA1	U81AA1B	—	.843"	.437"	2		
	1/4	1/8NPSF	U81B1	U81B1B	—	.75"	.437"	2		
	1/4	1/4NPSF	U81B2	—	—	.937"	.562"	2		
	3/8	3/8NPSF	U81D3	U81D3B	—	1.0"	.687"	2		
	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			

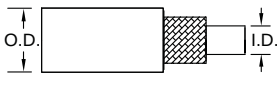
	THREADS	BDI PART #	DIMENSIONS		DRAWING
	Female (1)	Brass	A	B	
Female Cap 	5/16-24	B3478	.57"	.375"	
	5/16-24	A4082	.286"	.375"	

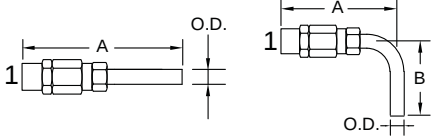
	TUBE	BDI PART #	DIMENSIONS				DRAWING
	Tube OD		INSERT O.D. A	LENGTH B	FLANGE O.D. C	CAN BE USED WITH TUBE P.N.	
Tubing Inserts 	5/32	19268	.098"	.315"	.157"	5N25	
	1/4	B144-2	.142"	.737"	.25"-.27"	U428B	
	1/4	B144-3	.157"	.487"	.245"		
	1/4	B144-4	.164"	.647"	.25"	B8598	
	1/4	B144-6	.127"	.479"	.235"	70420	
	1/4	B144-7	.180"	.647"	.245"	B8599	
	1/4	B144-11	.150"	.562"	.218"		
	5/16	20108-1	.232"	.50"		20100	
	5/16	36447	.1875"	.625"	.234"	29942	
	3/8	B144-5	.245"	.844"	.36"	B10067	
	4MM	22585-1	3MM	15.5MM	4MM	5N25-25	
	4MM	AR629	2.7MM	10MM		4N28V	
	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	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	
	1/8	1	—	24456	—	METAL TUBING	
	5/32	1	—	B1061	—	METAL TUBING	
	5/32	2	—	B8272	—	NYLON TUBING	
	5/32	1	—	BB1061	—	B1061 PACK OF 50	
	5/32	2	—	BB8272	—	B8272 PACK OF 50	
	3/16	1	—	B1227	—		
TYPE # 1 	1/4	1	—	B2520	—	METAL TUBING	TYPE 2 SINGLE SIDED SLEEVE 
	1/4	2	—	B10202	—	NYLON TUBING	
	1/4	3	B10088-1	—	—		
TYPE # 2 	3/8	1	—	B6532	—		TYPE 3 SINGLE STEEL 
	3/8	3	B10088-3	—	—		
	4MM	3	73511-1134	—	—		
	4MM	1	—	35001	—		
TYPE # 3 	4MM	3	23403	—	—	LL SERIES	TYPE 4 BARREL TYPE 
	4MM	4	—	73511-2711	—		
	6MM	4	—	73511-2721	—		
	6MM	3	AR206	—	—	LL SERIES	
TYPE # 4 	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	

	USED ON	DIMENSIONS			BDI	DRAWING
	Thread Size	I.D.	O.D.	T.	Part Number	
Copper Seals 	M6	6.2MM	9.9MM	1MM	20913-4	
	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	10.2MM	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	
	3/8BSPP	17MM	21MM	1.5MM	72712-1324	
	1/2BSPP	21MM	26MM	1.5MM	72712-1364	
	1BSPP				72712-1624	

PDI/SLR Bulk Hose & Fittings

	HOSE		WORKING PRESSURE		BDI PART #	SOLD PER	STD REEL LENGTH	DRAWING
	I.D.	O.D.	PSI	Bar				
PDI/SLR Bulk Hose 	4.1 MM	8.75 MM	3000	200	34962-25	EACH	25'FT	
					34962-164	EACH	164'FT	
	6.4 MM	14.4 MM	2100	140	34964	FT		

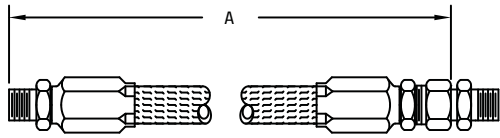
	STAND PIPE SIZE	TYPE	BDI PART #	USE WITH HOSE PART #	DIMENSIONS		DRAWINGS
	O.D.		O.D.	(1)	A	B	
PDI/SLR Bulk Hose Reusable Fittings with Stand Pipe 	3/16	STR	29116	34962	58MM	N/A	 Note: Sleeves are Included
	1/4	90 DEG	29220	34962	50MM	32MM	
	1/4	STR	29117	34962	58MM	N/A	
	4MM	STR	29587	34962	64MM	N/A	
	4MM	90 DEG	29585	34962	50MM	32MM	
	6MM	STR	AR1532	34962	64MM	N/A	
	6MM	90 DEG	AR1736	34962	50MM	32MM	
	8MM	STR	AR510	34964	71MM	N/A	

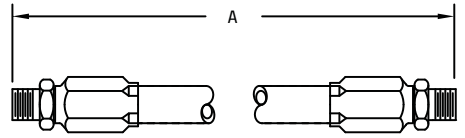
	STAND PIPE SIZE	TYPE	BDI PART #	USE WITH HOSE PART #	DRAWINGS
	O.D.		O.D.		
PDI/SLR Bulk Hose Reusable Fittings with Stand Pipe & Claw Groove	1/4	STR	AR5215	34962	  Note: Sleeves are not Included, order separate
		90 DEG	AR5216	34962	
		45 DEG	AR5217	34962	
	6MM	STR	73391-2811	34962	
		90 DEG	73391S008	34962	
		45 DEG	73391S038	34962	
	HOSE SLEEVE		73391-3443		

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

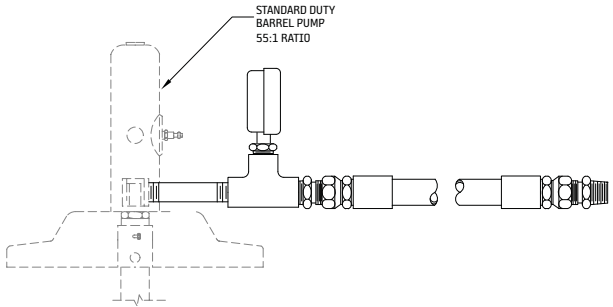
* Hose length does include fittings. Assemblies use 34962 hose.

Dualine, Injector & Progressive Hose Assemblies

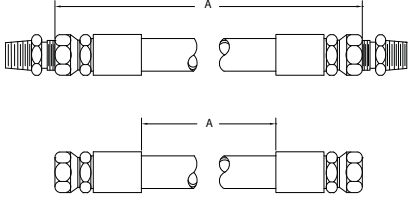
	BDI PART#	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
Medium Pressure Hose Assemblies 	201221	1/4"	24"	1/4NPT	1/4NPT	2750	189	 MEDIUM PRESSURE
	201222	1/4"	30"	1/4NPT	1/4NPT	2750	189	
	201223	1/4"	36"	1/4NPT	1/4NPT	2750	189	
	201224	1/4"	42"	1/4NPT	1/4NPT	2750	189	
	201225	1/4"	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	
	55323	1/4"	240"	1/4NPT	1/4NPT	2750	189	

	BDI PART#	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
High Pressure Hose Assemblies 	UX718602036	3/8"	36"	3/8NPT	3/8NPT	4000	275	 HIGH PRESSURE
	UX718602072	3/8"	72"	3/8NPT	3/8NPT	4000	275	

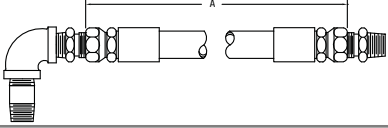
Barrel Pump Hose Assemblies

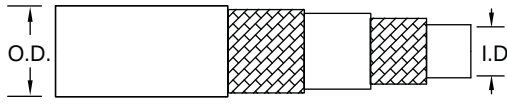
	BDI PART #	HOSE		WORKING PRESSURE			DRAWING
		I.D.	PSI	Bar	ENDS	LONG	
Hose Assemblies for drum pumps with Pressure Gauge 	200275	1/2"	5000	344	3/8NPT	72"	 STANDARD DUTY BARREL PUMP 55:1 RATIO
	HOS14010B	1/2"	5000	344	3/8NPT	144"	
	55317	1/2"	5000	344	3/8NPT	192"	
	55336	1/2"	5000	344	3/8NPT	300"	
Includes Pressure gauge, tee, nipple, bushing & adapters.							

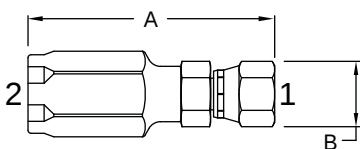
Specialty Hose Assemblies

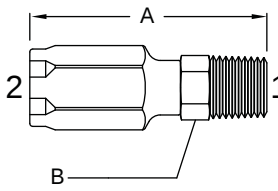
	BDI PART #	HOSE		WORKING PRESSURE		ENDS	TYPE	DRAWING
		I.D.	"A"	PSI	Bar			
Hose Assemblies for drum pumps 	200324	3/4"	72"	1250	86	3/8NPT X 1/2NPT	RELIEF HOSE KIT	
	200306	1/2"	72"	5000	344	3/8NPT X 3/8NPT	LUBE SUPPLY HOSE USED IN 200275	
	55319	1/2"	192"	250	17	1/2NPT X 1/4NPT	AIR SUPPLY HOSE	
	55338	1/2"	300"	250	17	1/2NPT X 1/4NPT	AIR SUPPLY HOSE	
	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	
	55320	1/2"	192"	250	17	3/4-16 SAE FEMALE(2)	AIR SUPPLY HOSE SIMILAR TO 200513	
	200513	1/2"	72"	250	17	3/4-16 SAE FEMALE(2)	AIR SUPPLY HOSE USED IN 200325	
	55322	1/2"	240"	250	17	3/4-16 SAE FEMALE(2)	AIR SUPPLY HOSE	
	55339	1/2"	300"	250	17	3/4-16 SAE FEMALE(2)	AIR SUPPLY HOSE	
	201369	1/2"	36"	250	17	3/4-16 SAE FEMALE(2)	AIR SUPPLY HOSE	
	55318	1/2"	192"	5000	344	3/4-16 SAE FEMALE(2)	LUBE SUPPLY HOSE SIMILAR 200549	
	55337	1/2"	300"	5000	344	3/4-16 SAE FEMALE(2)	LUBE SUPPLY HOSE SIMILAR 200549	
	200549	1/2"	72"	5000	344	3/4-16 SAE FEMALE(2)	LUBE SUPPLY HOSE USED IN 200306	

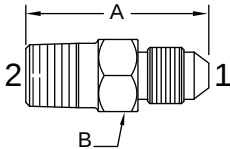
Air Supply Hose Assemblies

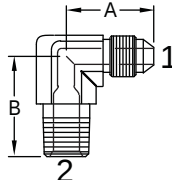
	BDI PART#	HOSE		ENDS		WORKING PRESSURE		DRAWING
		I.D.	"A"	1st	2nd	PSI	Bar	
Air Supply Hose Assemblies 	201502	1/4"	36"	1/2NPT	1/2NPT	250	17	
	55321	1/4"	240"	1/2NPT	1/2NPT	250	17	

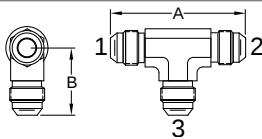
	HOSE WORKING PRESSURE				BDI PART #	INFORMATION	DRAWING
	I.D.	O.D.	PSI	Bar			
Hose 	3/16	29/64	425	29	U702B		
	3/16	3/8	500	34	27729	25FT LENGTH	
	3/16	3/8	500	34	27730	BULK	
	1/4	.59	5800	400	U7184	SAE100R2	
	1/4	9/16	2750	189	201200	SAE100R1	
	1/4	0.47	3000	206	HOS12125-50 HOS12125-100 HOS12125-500	SAE100R7	
	3/8	.75	4750	327	U7186	SAE100R2	
	1/2	.87	4000	275	U7188	SAE100R2	

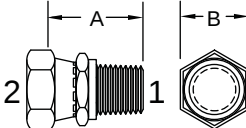
	HOSE	THREAD	BDI PART #		INFORMATION	DIMENSIONS		DRAWING
	I.D. (2)	Female(1)	Steel	Stainless	USE WITH HOSE #	A	B	
Reusable Hose Fittings: Straight Female Thread SAE(JIC) Swivel X Hose 	1/4	7/16-20	201188	201188SST	201200	2.44"	.562"	
	1/4	7/16-20	85493	—	HOS12125	2.18"	.562"	
	1/4	7/16-20	U43844	35637-1	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"	

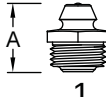
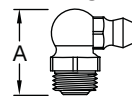
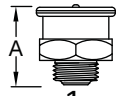
	HOSE	THREAD	BDI PART #	INFORMATION	DIMENSIONS			DRAWING
	I.D. (2)	Male(1)	Steel	USE WITH HOSE #	A	B	NOTES	
Reusable Hose Fittings: Straight Male Thread NPT X Hose 	3/16	1/8NPT	U404AB1	U702B	1.73"	.436"		
	1/4	1/8NPT	201185	201200				
	1/4	1/4NPT	201186	201200	2.42"	.562"		
	1/4	3/8NPT	201187	201200				
	1/4	1/8NPT	U43724	U7184	2.20"	.562"	RIGID	
	1/4	1/4NPT	U43744	U7184	2.38"	.562"	RIGID	
	3/8	3/8NPT	U43766	U7186	2.58"	.75"	RIGID	
	1/2	1/2NPT	U43788	U7188	3.11"	.875"	RIGID	

	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	1/4NPT	U43145	—	1.42"	.562"	
	1/2-20	1/8NPT	U43125	—	1.21"	.562"	
	7/16-20	3/8NPT	U43164	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"	

	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							

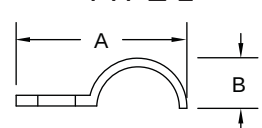
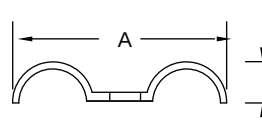
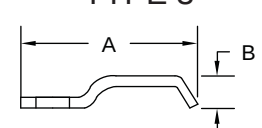
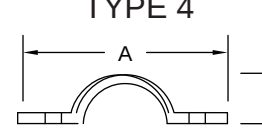
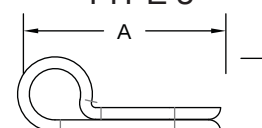
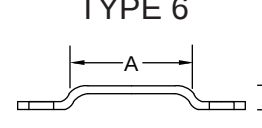
THREAD		TYPE	BDI PART #	DIMENSIONS		DRAWINGS	
Male (1)				A			
	1/4-28	STR SHORT	F651	.53"		Straight 	
	1/4-28	STR MED	F652	.69"			90 Degree 
	1/4-28	STR LNG	F653	1.12"			
	1/4-28	90 DEG	F656	.75"		Button Head 	
	1/4-28	45 DEG	F657	.81"			
	1/8NPT	STR	15332-1*	.86"			
	1/8NPT	STR	15332-3**	.86"			
	1/8NPT	30 DEG	F671	.843"			
	1/8NPT	65 DEG STR	F672	.843"			
	1/8NPT	90 DEG	15332-2*	.97"			
	1/8NPT	90 DEG	F673	.843"			
	1/8NPT	STR SHORT	F674	.687"			
	1/8NPT	65 DEG LNG	F675	.531"			
	1/8NPT	45 DEG	F678	.890"			
	1/8NPT	STR LNG	F679	1.75"			
	1/8NPT	STD BUTTONHEAD	F1290	.75"			
	1/4NPT	STR	F687	.875"			
	1/4NPT	65 DEG	F689	.968"			
	1/4NPT	STD BUTTONHEAD	F1291	.828"			
	1/4NPT	GIANT BUTTONHEAD	F1292	1.25"			
	3/8NPT	GIANT BUTTONHEAD	F1293	1.312"			
	1/8BSPT	STR	19448	15MM			
	1/4BSPT	STR	19449	19MM			
	1/4BSPT	90 DEG	20870-1	22MM			
	1/4BSPT	45 DEG	20669-2	23MM			
	1/4 DRIVE	STR	F662	.546"			
	3/16 DRIVE	STR	F666	.515"			
	5/16 DRIVE	STR	F668	.546"			
	M6X1	STR	F691	.593"			
	M6X1	45 DEG	F694	.812"			
	M6X1	90 DEG	F697	.75"			
	M8X1	STR	F692	.625"			
	M8X1	45 DEG	F695	.812"			
	M8X1	90 DEG	F698	.75"			
	M10X1	45 DEG	20669-1	25MM			

* Leakproof 3K psi

**Leakproof High Pressure 10Kpsi

* Leakproof 3K psi

**Leakproof High Pressure
10Kpsi

	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"	TYPE 2 	
	1/8	27820-5	5	2	6	NOT SUPPLIED W/SCREWS	.687"	.187"	.156"		
	1/8	27821-2	2	2	6	STAINLESS, NOT SUPPLIED W/SCREWS	.312"	.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"	TYPE 4 	
	5/32	34489	2	1	2	BAG 25 B3539	.84"	.25"	.196"		
	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"	TYPE 5 	
	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"		
	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"	TYPE 6 	
	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"		
	1/4	U1301B6	6	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.625"	.312"	.281"		
	1/4	36505	1	1	5	STAINLESS STEEL	.8125"	.312"	.203"	TYPE 7 	
	1/4	35448-1-25	1	1	5	RUBBER DIP-BAG 25	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 8	
	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	35448-2-25	1	1	5	RUBBER DIP-BAG 25	1.55"	.525"	.406"		
	1/2	U301E1	1	1	1	W/ 1/4-20X3/8"LG SCREW	1.25"	.562"	.281"	TYPE 9	
	1/2	U1301E2	2	2	6	W/2PCS 1/4-20X3/8"LG SCREW	1.125"	.562"	.281"		
	1/2	35448-3-25	1	1	5	RUBBER DIP-BAG 25	1.70"	.714"	.406"		
	19/32	B10276-2	1	1	5	HOSE .515-.590	45MM	22MM	.406"		
	5/8	35448-4-25	1	1	5	RUBBER DIP-BAG 25	1.83"	.84"	.406"		
	3/4	35448-5-25	1	1	5	RUBBER DIP-BAG 25	2.00"	1.00"	.406"	TYPE 10	
	7/8	35448-6-25	1	1	5	RUBBER DIP-BAG 25					
	3/4	35448-7-10	1	1	5	RUBBER DIP-BAG 10					
	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	TYPE 11	
	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		
	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	-	-	-		

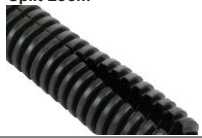
	TUBE O.D.	TUBE WALL	BDI PART #	WORKING PRESSURE		MATERIAL	COLOR	SOLD PER	STD REEL LENGTH	NOTES
				PSI	BAR					
PLASTIC TUBING  NOTE: If listed as "EACH" in SOLD PER Column then tubing is only sold in the listed reel lengths.	3/32	.020	3N20	404	27.75	Nylon	Natural	FT	250 FT	
	1/8	.031	26221	500	34.5	Nylon	Natural	FT	250 FT	
		.026	26079	625	43	Nylon	Natural	FT	500 FT	
		.026	27722	625	43	Nylon	Black	EACH	25 FT	
		.026	27389	625	43	Nylon	Black	EACH	100 FT	
		.031	20295	85	5.75	Polyurethane	Clear	FT	500 FT	
	5/32	.025	19230	250	17.25	Nylon	Black	FT	250 FT	
		.025	19230-RD	250	17.25	Nylon	Red	FT	250 FT	
		.025	19230-BU	250	17.25	Nylon	Blue	FT	250 FT	
		.025	19230-BR	250	17.25	Nylon	Brown	FT	250 FT	
		.025	19230-YW	250	17.25	Nylon	Yellow	FT	250 FT	
		.025	19230-GN	250	17.25	Nylon	Green	FT	250 FT	
		.025	5N25-25	300	17.25	Nylon	Natural	EACH	25 FT	
		.025	5N25-250	300	17.25	Nylon	Natural	EACH	250 FT	
		.035	21267	500	34.5	Nylon	Black	FT	250 FT	UV HIGH PRESSURE
		.055	5N55	500	34.5	Nylon	Natural	FT	250 FT	
		.055	5N55-25	500	34.5	Nylon	Natural	EACH	25 FT	
		.055	5N55-250	500	34.5	Nylon	Natural	EACH	250 FT	
		.055	5N55B	500	34.5	Nylon	Black	FT	250 FT	
		.055	5N55B-25	500	34.5	Nylon	Black	EACH	25 FT	
		.055	5N55B-250	500	34.5	Nylon	Black	EACH	250 FT	
	3/16	.024	6N24	250	17.25	Nylon	Natural	FT	250 FT	
		.046	B10271-1	500	34.5	Nylon	Natural	FT	250 FT	
		.038	U428A	625	43	Nylon	Natural	FT	1000 FT	
		.046	B10271-4	500	34.5	Nylon	Black	FT	250 FT	
		.044	35451	500	34.5	Nylon	Black/Red/Blue	FT		3-tube bundle
		.046	35648	500	34.5	Nylon	Black	EACH	15 FT	NLGI #0 PRE FILLED
		.046	35601	500	34.5	Nylon	Black	EACH	20 FT	NLGI #0 PRE FILLED
		.044	35649	500	34.5	Nylon	Black/Red	EACH	15 FT	2-tube bndl NLGI#0 PRE FILLED
		.044	35602	500	34.5	Nylon	Black/Red	EACH	20 FT	2-tube bndl NLGI#0 PRE FILLED
		.044	35650	500	34.5	Nylon	Black/Red/Blue	EACH	15 FT	3-tube bndl NLGI#0 PRE FILLED
		.044	35603	500	34.5	Nylon	Black/Red/Blue	EACH	20 FT	3-tube bndl NLGI#0 PRE FILLED
	1/4	.062	70420-25	870	60	Nylon	Black	EACH	25 FT	UV HIGH PRESSURE
		.062	70420-325	870	60	Nylon	Black	EACH	325 FT	UV HIGH PRESSURE
		.040	B8598	100	7	Polyethylene	Clear	FT	500 FT	
		.035	B8599	375	25.75	Nylon	Natural	FT	250 FT	
		.062	34211	500	34.5	Nylon	Natural	FT	250 FT	
		.035	8N30	425	29.25	Nylon	Natural	FT	250 FT	
		.050	U428B	625	43	Nylon	Natural	FT	500 FT	
		.062	35127	500	34.5	Nylon	Black	EACH	25 FT	NLGI#0 PRE FILLED
	5/16	.040	20100	312	21.5	Nylon	Natural	FT	250 FT	NLGI#1 PRE FILLED
	3/8	.075	U428D	625	43	Nylon	Natural	FT		
		.075	35543	625	43	Nylon	Black	FT		
	4MM	.75MM	4N25W			Polyurethane	Clear	MT	25 M	
	6MM	1MM	27490	275	19	Nylon	White	FT		
		1MM	35006	500	34.5	Nylon	Black	FT		
		1MM	B10437C	500	34.5	Nylon	Natural	FT		
		1.5MM	6N3B	471	32.5	Nylon	Natural	FT		
		1.5MM	6N3G-25	471	32.5	Nylon	Natural	EACH	25 M	GREASE FILLED
		1.5MM	731002173	1305	90	Nylon	Black	MT	100 M	UV HIGH PRESSURE
	8MM	1.5MM	35461	101	7	Polyurethane	Clear	FT	100 M	
	10MM	2MM	29942	565	39	Nylon	Black	EA	25 M	
	12MM	1.5MM	10N6-BLACK	600	41.25	Nylon	Black	FT	25 M	
			34826	90	6.25	Nylon	Natural	FT	25 M	

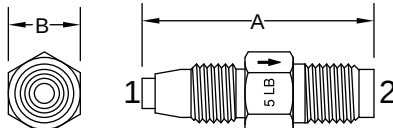
PROTECTION ITEMS	TUBE O.D.	BDI PART #	NOTES	DRAWINGS
Spring Cover for Nylon Tubing 	4MM - 5/32	20111	PER FOOT	FITS TUBE O.D.   *tubing Not Included.
	5/16	20107		
Wire Braid Cover for Nylon Tubing 	4MM - 5/32	15344	PER FOOT	FITS TUBE O.D.  (ø .20) *5N25 tubing Included, can be removed.

	TUBE O.D.	TUBE WALL	BDI PART #	MATERIAL	STANDARD		NOTES
					LENGTH	SOLD PER	
METAL TUBING  NOTE: If listed as "EACH" in SOLD PER Column then tubing is only sold in the listed reel lengths.	3/32	.022	3C22	COPPER	12'	FT	
	1/8	.030	4C30	COPPER	50'	EACH	
	5/32	.025	5B25	BRASS	12'	FT	
		.025	32196	COPPER	50'	EACH	
		.055	5C55	COPPER	12'	FT	
		.01	85096	STAINLESS STEEL	50'	EACH	304SS
	3/16	.030	U424C3-50	COPPER	50'	EACH	
	1/4	.030	U424C4-50	COPPER	50'	EACH	
		.035	7914035304WSS	STAINLESS STEEL	20'	FT	304SS
		.028	27721	STEEL	25'	EACH	
		.035	U424E4	STEEL	16'-24'	IN	
	5/16	.032	10C32	COPPER	12'	FT	
	3/8	0.032	U424C6-50	COPPER	50'	EACH	
		.049	7938049304WSS	STAINLESS STEEL	20	FT	304SS
		.049	U424E6	STEEL	20'	FT	
	1/2	.065	55312	STAINLESS STEEL	-	FT	316SS
		0.049	55847	STAINLESS STEEL	-	IN	304SS
	3/4	0.065	55848	STAINLESS STEEL		IN	304SS
	6MM	1MM	21431-6	COPPER	12'	FT	
		1MM	25712	COPPER	12'	FT	
		1MM	73100-1234	STEEL		FT	

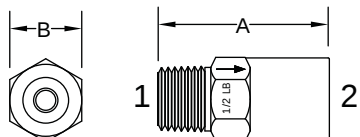
Note: Most metal tubing is normally coiled for shipping. Straight lengths available in some sizes. Specify on order or contact customer service.

	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

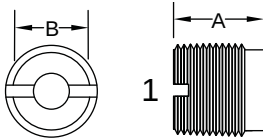
	O.D.	BDI PART #	COLOR	MATERIAL	NOTES
Split Loom 	1/4	35419-1	Black	Polyethylene	100ft coils
	1/2	35419-2	Black	Polyethylene	100ft coils
	3/4	35419-3	Black	Polyethylene	100ft coils
	1	35419-4	Black	Polyethylene	100ft coils
Spiral Wrap 	1/2	35645-100	Black	Polyethylene	3/8" to 4" Bundling Range, 100'FT Roll
	1	35646-75	Black	Polyethylene	1" to 7" bundling Range, 75'FT Roll

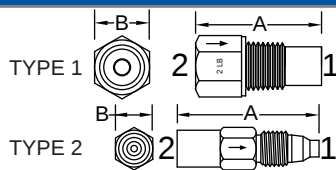
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Male (2)		A	B	
Check Valve Junction Mounted 	5 LBS	5/16-24	5/16-24	B3003	1.20"	.375"	
	10 LBS	5/16-24	5/16-24	B3363	1.20"	.375"	
	20 LBS	5/16-24	5/16-24	B3251	1.20"	.375"	
	50 LBS	5/16-24	5/16-24	B5146	1.20"	.375"	

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.

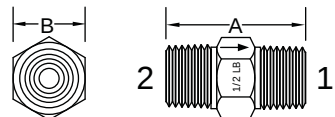
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Female (2)		A	B	
Check Valve Adapter Type 	2 LBS	1/8NPT	5/16-24	B3815	1.0"	.437"	
	5 LBS	1/8NPT	5/16-24	B3905	1.0"	.437"	
	10 LBS	1/8NPT	5/16-24	B3906	1.0"	.437"	
	20 LBS	1/8NPT	5/16-24	B4450	1.0"	.437"	
	50 LBS	1/8NPT	5/16-24	B4960	1.0"	.437"	
	2 LBS	1/8NPT	1/8NPTF	B5627	1.0"	.50"	
	5-12 LBS	1/8NPT	1/8NPTF	U1975A1*	1.47"	.50"	
	5-12 LBS	1/8NPT	1/8NPTF	U1975B1*	1.38"	.50"	
	250 LBS	1/8NPT	1/8NPSF	37159**	1.27"	14.2mm	

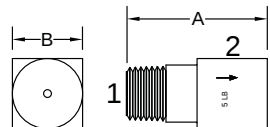
* 2500PSI PROOF PRESSURE (Can be used with U81 bushing to connect tubing to female. A1=3/16T B1=1/4T)
** STEEL, 5000PSI MAX

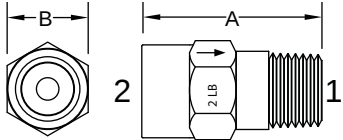
(FLOW→)	OPENING	THREAD	BDI PART #	NOTES	DIMENSIONS		DRAWING
	PRESSURE	Male (1)			A	B	
Check Valve Flush Mounted 	1/2 LB	7/16-20 NF	A3889	USE GASKET A3772	.468"	.362"	
	1/2 LB	1/2-20	B3674	USE GASKET A4191	.468"	.43"	

(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	
	10 LB	5/16-24	5/16-24	20883*	1.2"	.375"	2	

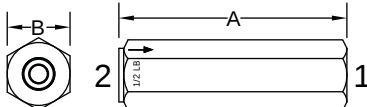
* JUNCTION MOUNT

(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"	

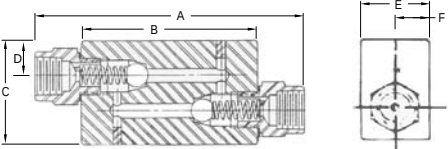
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Female (2)		A	B	
Check Valve 90 Degree Connector 	2 LBS	1/8NPT	1/8NPT	B3833	1.0"	.50"	
	5 LBS	1/8NPT	1/8NPT	B3907	1.0"	.50"	
	10 LBS	1/8NPT	1/8NPT	B3908	1.0"	.50"	
	2 LBS	1/8NPT	1/8NPT	B6802	1.0"	.50"	

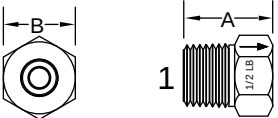
(FLOW→)	OPENING	THREADS		BDI PART #	DIMENSIONS		DRAWING
	PRESSURE	Male (1)	Female (2)		A	B	
	2 LBS	1/8NPT	1/8NPT	B5892	.937"	.50"	
	2 LBS	1/8NPT	5/16-24	B7702	1.0"	.437"	
	10 LBS	1/8NPT	5/16-24	B6091	1.0"	.437"	

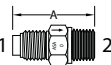
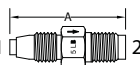
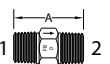
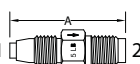
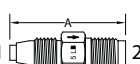
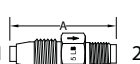
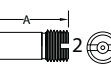
Note: Valves are ball type with flow capacity of 100cc/minute maximum. Tolerance of valve opening pressure is $\pm 10\%$. Valves with hexagon or square bodies are stamped with the nominal opening pressure and arrow indicating direction of flow.

(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"	

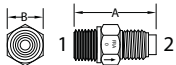
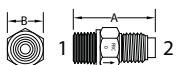
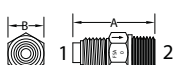
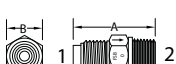
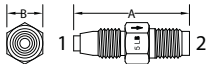
* HAS GREASE FITTING FOR MANUAL LUBRICATION

	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	7/16	 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.

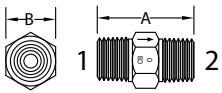
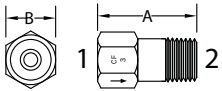
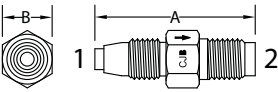
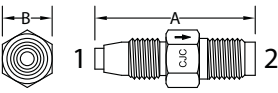
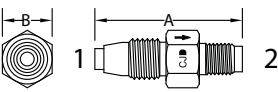
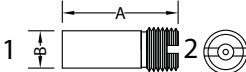
METER UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS		DRAWINGS
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	
FRA 		00	B2559	1/8NPT	5/16-24* (5/32 or 4mm tube)	1	3/8	
		0	B3215					
		1	B3216					
		2	B3217					
		3	B3218					
		4	B3219					
		5	B3220					
FRC 		3/0	B7269	1/8NPT	5/16-24* (3/32 tube)	1	3/8	
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

* See page 18-19 for tubing connections.

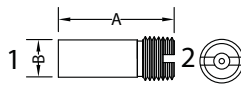
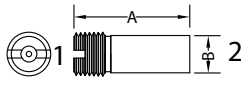
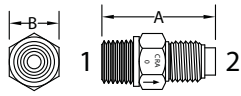
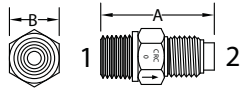
METER UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			DRAWINGS
TYPE	RATE	#	Inlet(1)	Outlet(2)	A	B	C		
FT 	3/0	B6529	1/8NPT	1/8NPT	53/64	3/8	-	 1  2	
	00	B1398							
	0	B1112							
	1	B1113							
	2	B1114							
	3	B1115							
	4	B1116							
	5	B1117							
FTA 	3/0	B6549	5/16-24(2)* (5/32 or 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							

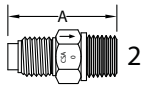
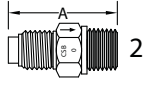
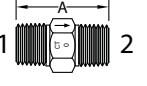
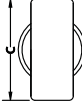
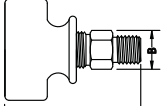
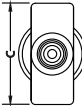
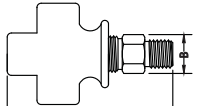
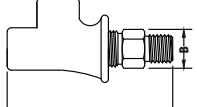
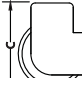
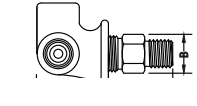
* See page 18-19 for tubing connections.

METER UNITS KITS		KIT INCLUDES														
KIT P.N.	INFO	B3264	B3265	B3254	B2496	B2495	B2497	B3784	A2835	A3080	B1095	B1371	B8272	A2435	5N25-25	
32567	4 PTS	1	0	0	4	1	1	3	2	2	6	7	13	6	1	
32568	6 PTS	0	1	0	6	1	1	3	3	3	8	9	17	8	1	
32569	8 PTS	0	0	1	8	1	1	3	4	4	10	11	21	10	2	

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	7/16	-	
		3/0	B8710						
		1	B8713						
CF 		5/0		1/8NPT	1/8NPT	1-1/32	1/2		
		4/0							
		3/0							
		00							
		0							
		1							
		2							
		3							
		4	B6557						
		5							
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.

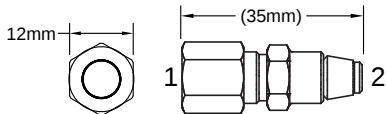
CONTROL UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			DRAWINGS
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	C	
CKD 		5/0	26413-5/0	-	1/8BSPT	29/32	9/32	-	
		4/0	26413-4/0						
		3/0	26413-3/0						
		00	26413-00						
		0	26413-0						
		1	26413-1						
		2	26413-2						
		3	26413-3						
		4	26413-4						
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		
		3/0	B7144						
		0	B7146						
		1	B7147						
CRC 		2	B7059	1/8NPT	5/16-24* (3/32 tube)	1	3/8		
		5	B7062						
		5/0	B7154						
		4/0	B7155						
		3/0	B7156						
		00	B7157						
		0	B7158						
		1	B7159						
		2	B7160						
		3	B7161						
		4	B7162						
		5	B7163						

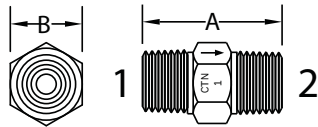
CONTROL UNITS		FLOW	BDI PART	THREADS (FLOW→)		DIMENSIONS			DRAWINGS
TYPE		RATE	#	Inlet(1)	Outlet(2)	A	B	C	
CSA 	5/0	B7022	5/16-24* (5/32-4mm tube)	1/8NPT	61/64	3/8	-		 
	4/0	B7023							
	3/0	B7024							
	00	B7025							
	0	B7026							
	1	B7027							
	2	B6757							
	3	B6758							
	4	B6759							
	5	B6760							
CSB 	4/0	B8701	5/16-24* (5/32-4mm tube)	1/8BSPT	61/64	3/8	-		 
	3/0	B8702							
	00	B8703							
	1	B8704							
CT 	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							
CTA 	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							
CTB 	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							
CTC 	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	B7190							
	1	B7191							
	2	B6779							
	3	B6780							
	4	B6781							
	5	B6782							
CTD 	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							
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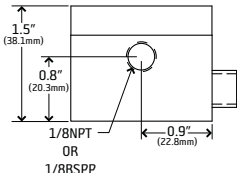
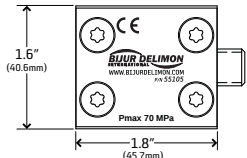
* See page 18-19 for tubing connections.

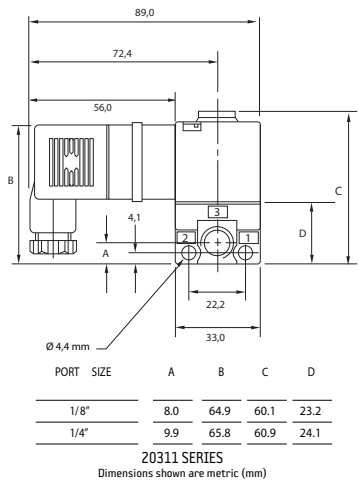
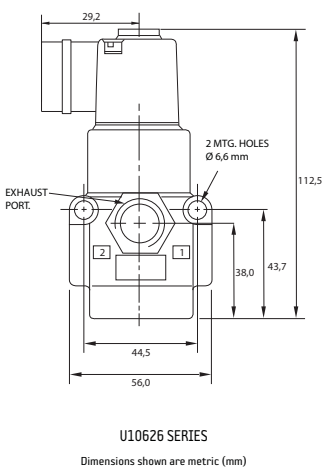
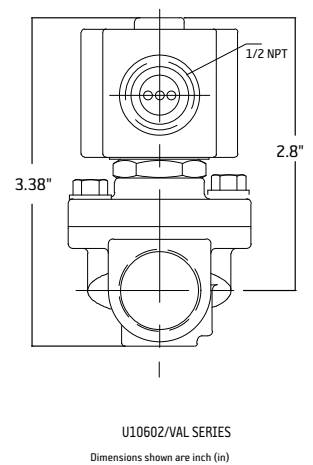
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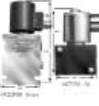
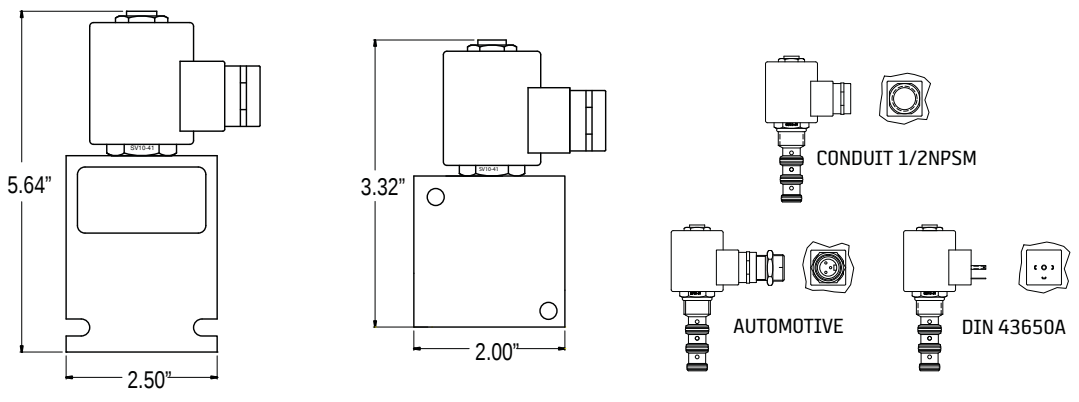
* See page 18-19 for tubing connections.

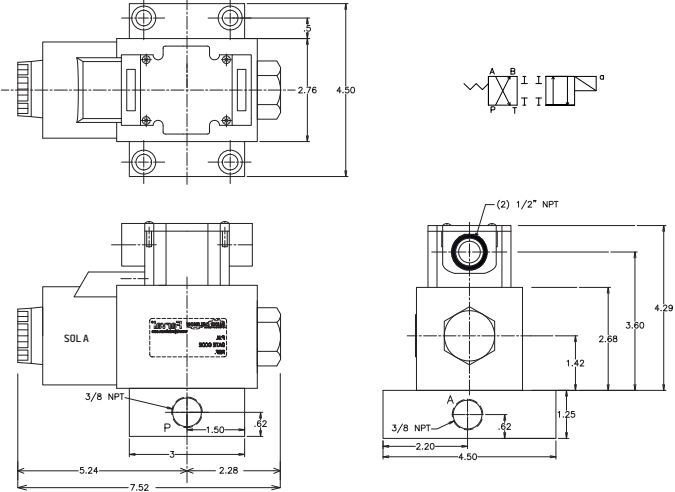
	BDI PART #	DESCRIPTION	CHECK VALVE	TYPE	TUBE/		DRAWING
					TUBE (1)	THREADS (2)	
PVB / PVBM Fittings  *Stainless Steel	35360	OUTLET FITTING	Y	COMPRESSION	3/16"	M10X1	
	23397	OUTLET FITTING	Y	COMPRESSION	4mm	M10X1	
	23301	OUTLET FITTING	Y	COMPRESSION	6mm	M10X1	
	734490763*	OUTLET FITTING SS	Y	COMPRESSION	6mm	M10X1	
	AR5116	OUTLET FITTING	Y	HP PTC	1/4"	M10X1	
	35895	OUTLET FITTING	Y	HP PTC	4mm	M10X1	
	AR5195	OUTLET FITTING	Y	HP PTC	6mm	M10X1	
	29076	OUTLET FITTING	Y	-	1/8NPTF	M10X1	
	74161-1851	B PLUG	-	-	-	M10X1	
	23292	B CLAMP RING	-	-	-	-	
	74161-5741	C PLUG	-	-	-	M10X1	
	72712-1094	C WASHER	-	-	-	-	
	741617621*	B PLUG SS	-	-	-	M10X1	
	741617661*	C PLUG SS	-	-	-	M10X1	

	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															
	55105-SS	1/8NPT															
Operating Temp. Range: -4° to 158° F (-20° to 70° C) Lubricant Range: ISO VG32 OIL to NLGI #2 Grease Material: Aluminum/ Stainless (SS) Vibrations: 20 g (10-20000 Hz) (see page 73 for connection cables) <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) 20311-17 : CSA Approved 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	1/2NPS	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)	
	20311-2	220VAC	50/60	1/2NPS	0.09 amps	0.12 amps	1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1		
	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	-	1/2NPS	6W		1/8NPTF	1/8NPTF	1/8NPTF	3/2	0.18Cv	1		
	20311-6	12VDC	-	1/2NPS	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		
	20311-10	220VAC	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		
	20311-17	24VDC	-	DIN 43650A	6W		1/4NPTF	1/4NPTF	1/4NPTF	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		
	VAL13717A	120VAC	50/60	1/2NPTF	25 VA	50 VA	1/4NPTF	1/4NPTF	1/4NPTF	3/2	.12Cv	4X	32° to 356° F (0° to 180° C)	
	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	0° to 140° F (-18° to 60° C)	
	U10626C1	120VAC	50/60	1/2NPTF	0.09 amps	0.12 amps	3/8NPTF	3/8NPTF	3/8NPTF	3/2	1.6Cv	4		
	U10626A2	240VAC	50/60	1/2NPTF	0.09 amps	0.12 amps	1/4NPTF	1/4NPTF	3/8NPTF	3/2	1.4Cv	4		
	U10626C2	240VAC	50/60	1/2NPTF	0.09 amps	0.12 amps	3/8NPTF	3/8NPTF	3/8NPTF	3/2	1.6Cv	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		
DRAWINGS														
  														

	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										
	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
	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
	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	HOLDING CURRENT	HOLDING POWER	VOLTAGE RANGE	ELECTRICAL CONNECTION	PORT SIZE
Solenoid Valves - Electric Shut Off/Zone 	39909	115VAC	50/60	0.49 amp	34 W	80-130V	1/2NPTF	3/8NPTF
	37214	230VAC	50/60	0.24 amp	33 W	180-250V	1/2NPTF	3/8NPTF
	37196	24VDC	-	1.5 amp	36 W	21.6-26.4V	1/2NPTF	3/8NPTF
DRAWINGS								
								

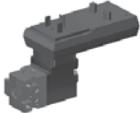
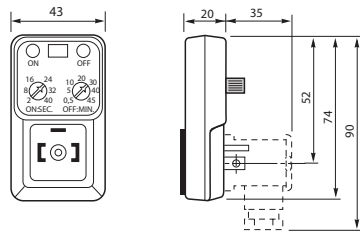
Operating Temp. Range:
41° to 140° F
(5° to 60° C)

Function:
N.C.

Max Pressure:
5000 psi
(345 bar)

Max Flow:
12 gpm

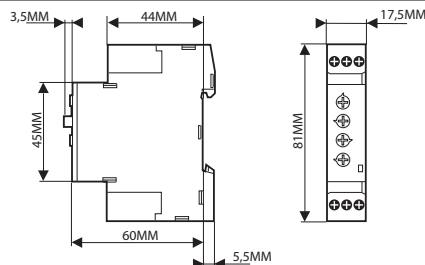
Media:
80SUS Oil up to
NLGI #2 Grease

	BDI PART #	VOLTAGE	Hz	TIMER RANGE	ELEC CONN
Solenoid On-Off Timer -DIN connection* 	29927	24-240V AC/DC	50/60(AC)	ON 2-40 Sec/OFF 0.5-45 Min	DIN 43650 FORM A
	71740	24-240V AC/DC	50/60(AC)	ON 0.5-99 Sec/OFF 0.5-99 Min	DIN 43650 FORM A
DRAWINGS					
					

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

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

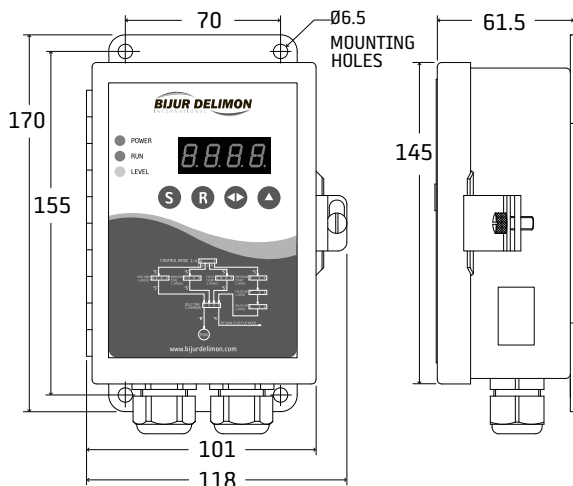
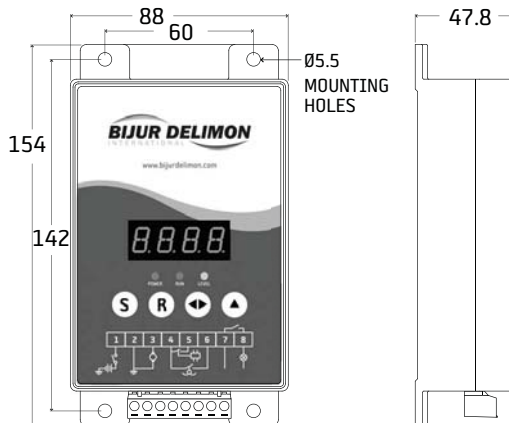
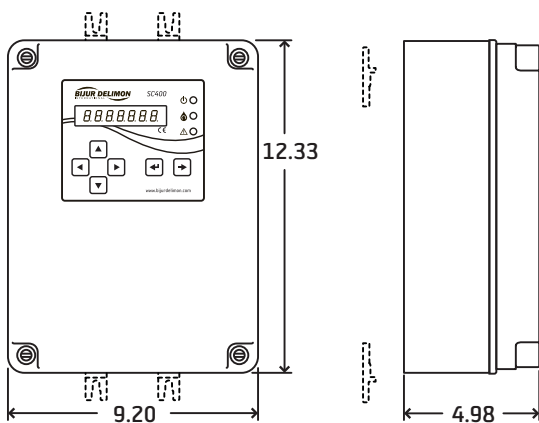
DIMENSIONS (mm)

	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
	42012-5	110VAC	50/60	30W	CABLE GLAND	36830	IP55	TIMER / INJ / PROG / PULSE
	42012-4	220VAC	50/60	30W	CABLE GLAND		IP55	TIMER / INJ / PROG / PULSE
	SC400	85-265VAC	50/60	5A	INT TERM STRIP	35980	IP56	INJ/PROG/DUALINE/CONT
	SC400CSA							CSA APPROVED
 Measurements shown in millimeters.  Measurements shown in millimeters.								
 Measurements shown in millimeters.								

Technical drawing of the M12 x 1 mounting screw assembly. The drawing shows a side view and a top view. The side view includes dimensions: PT (Pitch Thread), OP (Outer Profile), 15.6, 25, 22 max 18.3, 7, 23, 10, 15, 55, 25.4 ± 0.15, 14, 16 dia, 23.3, 53.4, and 8.4 dia. The top view shows dimensions: 21 ± 0.1, 21.7, and 21. The assembly consists of an M12 x 1 mounting screw, two hexagonal nuts, and a terminal protective cover. A seal rubber (NBR) is also indicated.

66925

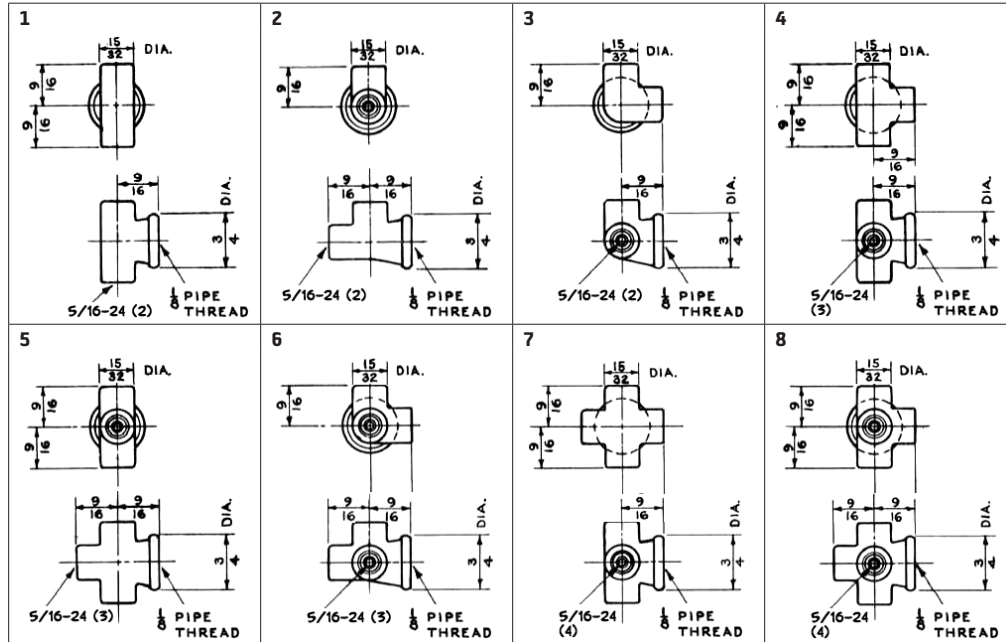
**Junction
Headers**


Used with Meter &
Control Units
(FT/CT)

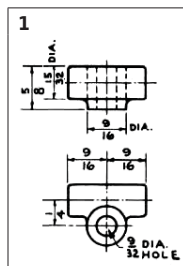
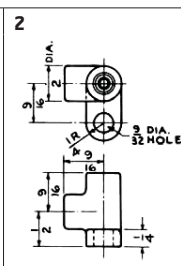
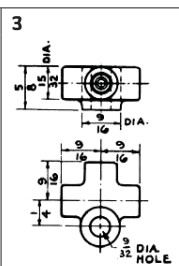
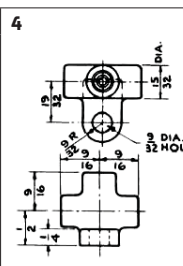
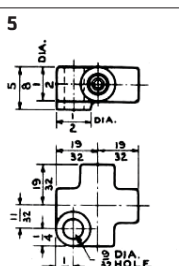
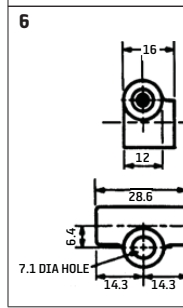
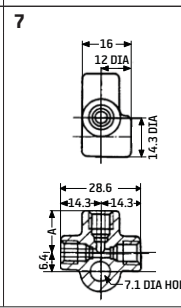
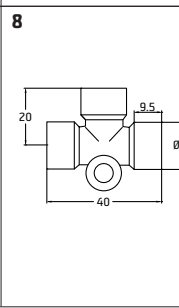
Die Cast Zinc Alloy

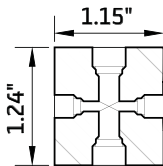
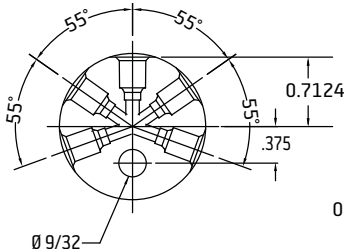
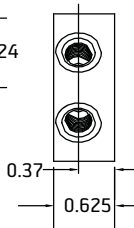
Inlet is for 5/32 (4mm)
tube connection.
Accepts compression
sleeve B1061 or B8272
and compression
bushing B1371 or
B3783.

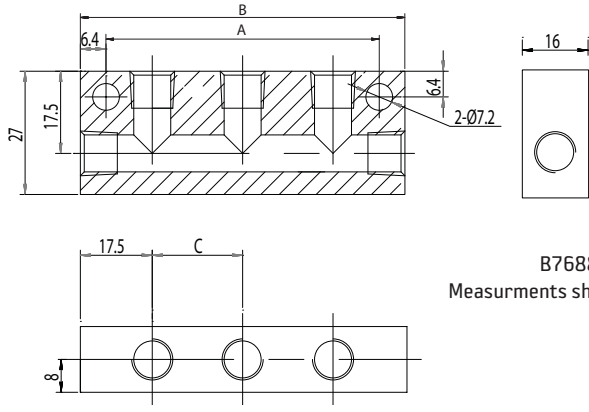
BDI PART #	TYPE	5/16-24 INLETS	TUBE SIZE	1/8NPTF OUTLETS	DRAWING ITEM #
B1503	TA	2	5/32 (4MM)	1	1
B1538	TC	2	5/32 (4MM)	1	2
B1539	TD	2	5/32 (4MM)	1	3
B3150	TG	3	5/32 (4MM)	1	4
B1504	TB	3	5/32 (4MM)	1	5
B4047	TK	3	5/32 (4MM)	1	6
B2810	TH	4	5/32 (4MM)	1	7
B4367	TL	4	5/32 (4MM)	1	8

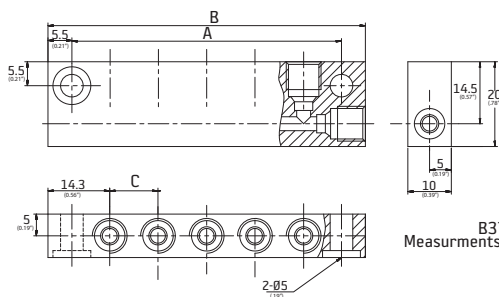
DRAWINGS


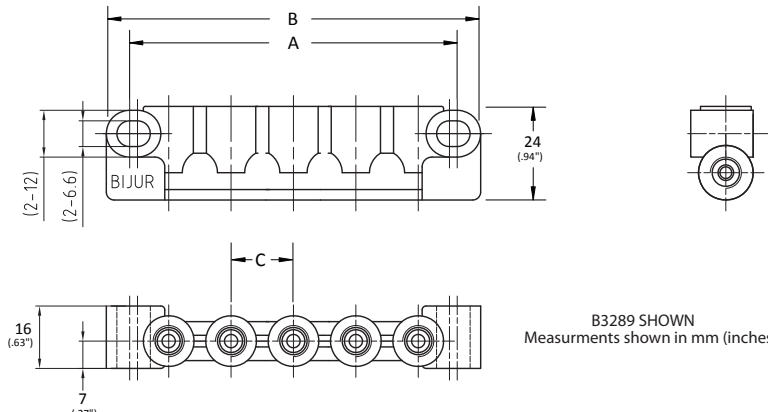
	BDI PART #	TYPE	THREADS	MOUNTING HOLE		DRAWING ITEM #
				HAS MOUNTING HOLE	SIZE	
Junction Blocks  1/8" NPTF & 1/8" BSPT Aluminum Alloy	B7682	3 WAY	1/8 NPTF	NO	-	1
	B7683	3 WAY	1/8 NPTF	NO	-	2
	B7684	4 WAY	1/8 NPTF	NO	-	3
	B7690	2 WAY	1/8 NPTF	YES	9/32"	5
	B7691	2 WAY	1/8 NPTF	YES	9/32"	6
	B7692	3 WAY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

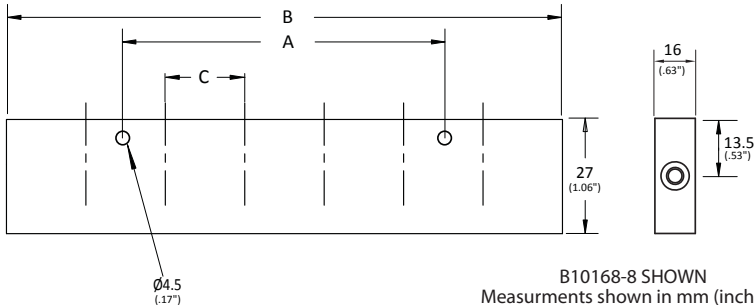
		BDI PART #	TYPE	THREADS	TUBE SIZE	MOUNTING HOLE SIZE	DRAWING ITEM #
Junctions  5/16-24, M8X1 & M10X1 Alum Zinc Die Cast Alloy 9/32" Mounting Hole	B3288	2 WAY	5/16-24	5/32 (4MM)	9/32"	1	
	B5149	2 WAY	5/16-24	5/32 (4MM)	9/32"	2	
	B3065	3 WAY	5/16-24	5/32 (4MM)	9/32"	3	
	B1092	3 WAY	5/16-24	5/32 (4MM)	9/32"	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 							

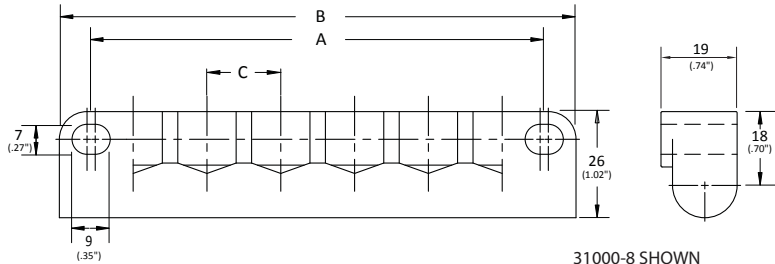
BDI PART #				THREADS		INCLUDES		NOTES
TYPE		OUTLETS		OUTLETS		MOUNTING HOLE		
Junctions Specials  Alum Zinc Die Cast Alloy (B1096 Aluminum)								
	22171	4 WAY	3	M10X1 (1)	1/8NPTF (1) 5/16-24 (2)	5/32 (4MM)	NO	USED ON L5H D3508C
	B1096	5 WAY	4	5/16-24 (1)	5/16-24 (4)	5/32 (4MM)	YES	FLAT MOUNTED
	DRAWINGS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

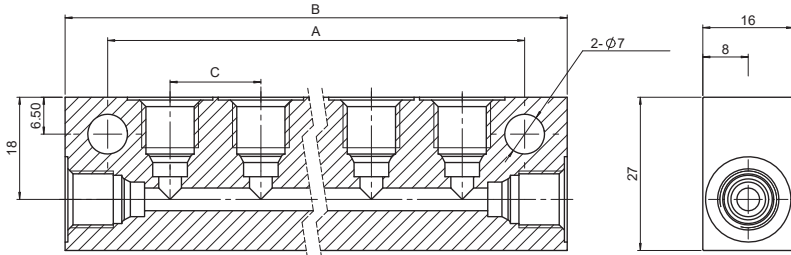
	BDI PART #	TYPE	OUTLETS	THREADS		MOUNTING HOLE		DRAWING ITEM #
				INLET	OUTLET	HAS MOUNTING HOLE	SIZE	
Junctions Bars  1/8" NPTF Aluminum Alloy Single sided 2 Mounting Holes	B7687	4 WAY	2	1/8NPTF (2)	1/8NPTF (2)	1.75"(44.5mm)	2.25"(57.3mm)	.877"(22.3mm)
	B7688	5 WAY	3	1/8NPTF (2)	1/8NPTF (3)	2.625"(66.7mm)	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								
 B7688 SHOWN Measurements shown in mm (inches)								

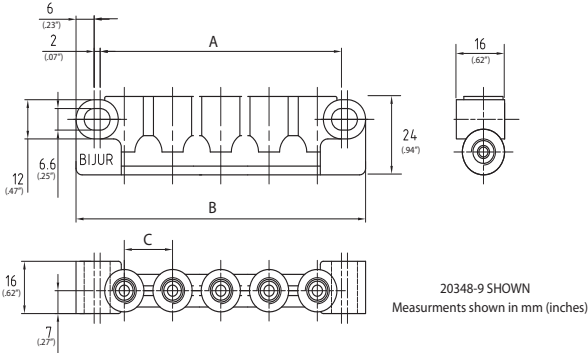
	BDI PART #	TYPE	OUTLETS	THREADS		HAS MOUNTING HOLE	MOUNTING HOLE SIZE		DRAWING ITEM #
				INLET	OUTLET				
Junctions Bars  5/16-24 Aluminum Alloy Single sided 2 Mounting Holes FJD & CJD	B3764	4 WAY	2	5/16-24 (2)	5/16-24 (2)	1.125"(28.6mm)	1.562"(39.7mm)	.437"(11.1mm)	
	B3765	5 WAY	3	5/16-24 (2)	5/16-24 (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)									

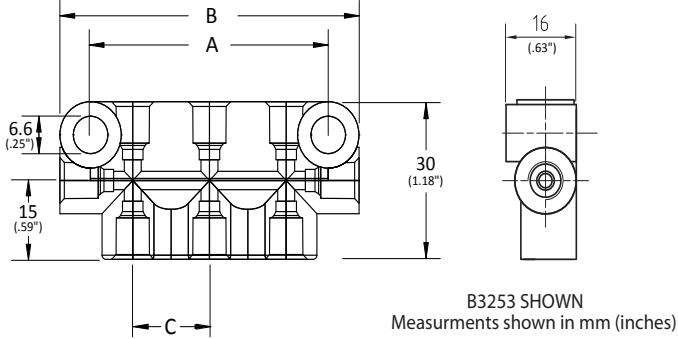
	BDI PART #	TYPE	OUTLETS	DIMENSIONS				
				INLET	OUTLETS	A	B	C
Junctions Bars  5/16-24 Alum Zinc Die Cast Single sided 2 Mounting Holes FJB, FJC, CJB, CJC QJB, ZJBE	B3262	4 WAY	2	5/16-24 (2)	5/16-24 (2)	36mm	48mm	16mm
	B3263	5 WAY	3	5/16-24 (2)	5/16-24 (3)	52mm	64mm	16mm
	B3264	6 WAY	4	5/16-24 (2)	5/16-24 (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)								

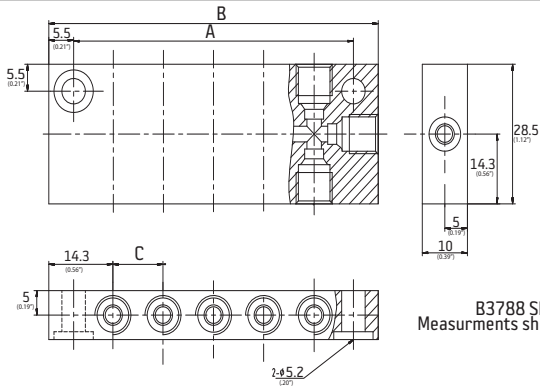
	BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	DIMENSIONS		
						A	B	C
Junctions Bars  M10X1 Aluminum Alloy Single sided 2 Mounting Holes ZEE, ZEG, ZMBE, ZMBM B10164 has 1-mtg hole	B10164	4 WAY	2	M10X1 (2)	M10X1 (2)	-	57mm	18mm
	B10168-6	6 WAY	4	M10X1 (2)	M10X1 (4)	36mm	93mm	18mm
	B10168-8	8 WAY	6	M10X1 (2)	M10X1 (6)	72mm	129mm	18mm
	DRAWINGS  B10168-8 SHOWN Measurements shown in mm (inches)							

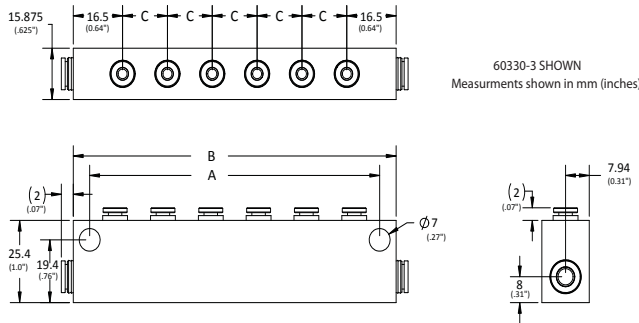
	BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	DIMENSIONS		
						A	B	C
Junctions Bars  M10X1 Alum Zinc Die Cast Single sided 2 Mounting Holes ZEE, ZEG, ZMBE, ZMBM	31000-5	5 WAY	3	M10X1 (2)	M10X1 (3)	54mm	69mm	16mm
	31000-6	6 WAY	4	M10X1 (2)	M10X1 (4)	70mm	85mm	16mm
	31000-8	8 WAY	6	M10X1 (2)	M10X1 (6)	102mm	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)							

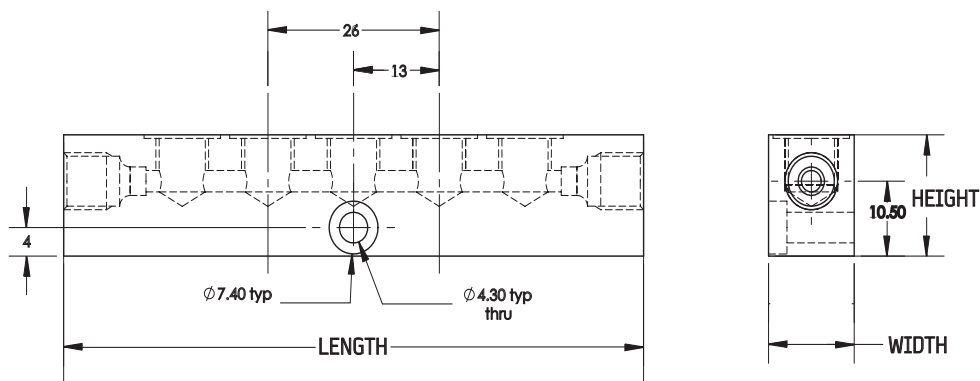
	BDI PART #	TYPE	OUTLETS	INLET	OUTLETS	DIMENSIONS		
						A	B	C
Junctions Bars  M10X1 Alum Zinc Die Cast Single sided 2 Mounting Holes ZEE, ZEG, ZMBE, ZMBM	90273-4	4 WAY	2	M10X1 (2)	M10X1 (2)	38mm	53mm	16mm
	90273-5	5 WAY	3	M10X1 (2)	M10X1 (3)	54mm	69mm	16mm
	31000-6	6 WAY	4	M10X1 (2)	M10X1 (4)	70mm	85mm	16mm
	90273-7	7 WAY	5	M10X1 (2)	M10X1 (5)	86mm	101mm	16mm
	90273-8	8 WAY	6	M10X1 (2)	M10X1 (6)	102mm	117mm	16mm
	90273-9	9 WAY	7	M10X1 (2)	M10X1 (7)	118mm	133mm	16mm
	90273-10	10 WAY	8	M10X1 (2)	M10X1 (8)	134mm	149mm	16mm
	DRAWINGS 							

	BDI PART #	TYPE	OUTLETS	INLET		OUTLETS		DIMENSIONS		
								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)										

	BDI PART #	TYPE	OUTLETS	INLET		OUTLETS		DIMENSIONS		
								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)										

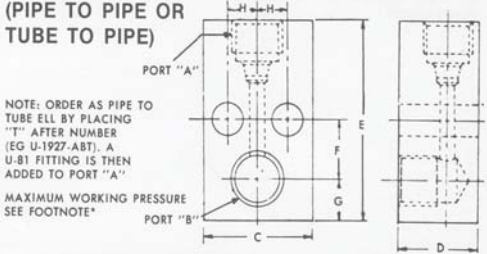
	BDI PART #	TYPE	OUTLETS	INLET		OUTLETS		DIMENSIONS		
								A	B	C
Junctions Bars  5/16-24 Aluminum Alloy Double sided 2 Mounting Holes FJD, CJD	B3785	6 WAY	4	5/16-24 (2)	5/16-24 (4)			28.6mm(1.12")	39.6mm (1.56")	11.1mm (.43")
	B3786	8 WAY	6	5/16-24 (2)	5/16-24 (6)			40mm(1.5625")	51mm(2.0")	11.1mm (.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)										

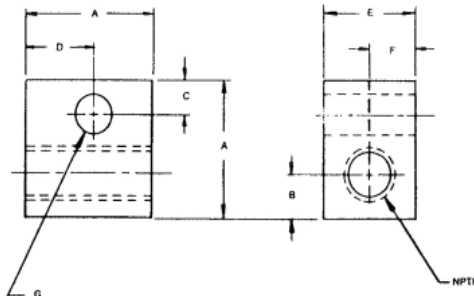
	BDI PART #	TYPE	OUTLETS	INLET		OUTLETS		DIMENSIONS		
								A	B	C
Junctions Bars  Quick Connect Aluminum Bar Single sided 2 Mounting Holes 4mm & 6mm	60330-2	2 WAY	2	6mm (2)	4mm (2)			37mm	49mm	15mm
	60330-3	3 WAY	3	6mm (2)	4mm (3)			52mm	63mm	15mm
	60330-4	4 WAY	4	6mm (2)	4mm (4)			67mm	78mm	15mm
	60330-5	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)										

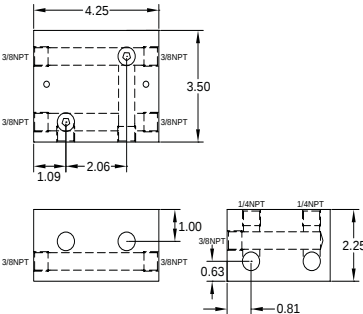
				THREADS		MOUNTING HOLES		DIMENSIONS			
	BDI PART #	TYPE	OUTLETS	INLETS	OUTLETS	#	SPACING	Ø DIA.	LENGTH	HEIGHT	WIDTH
ZEM Junctions  Aluminum Alloy Single sided	34547	3 WAY	1	M12X1 (2)	M14X1.5 (1)	1	-	4.3mm	40mm	35mm	25mm
	ZEM32M14	3 WAY	1	M8X1 (2)	M8X1 (1)	1	-		39mm	17mm	13mm
	ZEM32M16	3 WAY	1	M10X1 (2)	M8X1 (1)	1	-		39mm	17mm	13mm
	ZEM32M18	3 WAY	1	M14X1.5 (2)	M8X1 (1)	1	-		48mm	20mm	18mm
	ZEM32M24	4 WAY	2	M8X1 (2)	M8X1 (2)	1	-		49mm	17mm	13mm
	ZEM32M26	4 WAY	2	M10X1 (2)	M8X1 (2)	1	-		52mm	17mm	13mm
	ZEM32M28	4 WAY	2	M14X1.5 (2)	M8X1 (2)	1	-		61mm	20mm	18mm
	ZEM32M34	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										
											

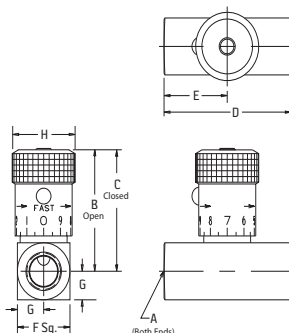
				THREADS		MOUNTING HOLES		DIMENSIONS			
BDI PART #	TYPE	OUTLETS	INLETS	OUTLETS	#	SPACING	Ø DIA.	LENGTH	HEIGHT	WIDTH	
ZEM Junctions	ZEM33M26	4 WAY	2	M10X1 (2)	M10X1 (2)	1	-	4.3mm	58mm	20mm	18mm
	ZEM33M86	10 WAY	8	M10X1 (2)	M10X1 (8)	2	102mm		160mm	20mm	18mm
	ZEM33M126	14 WAY	12	M10X1 (2)	M10X1 (10)	2	170mm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

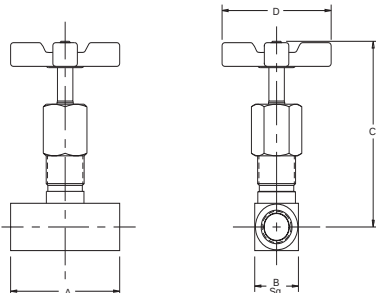
		THREADS				MOUNTING HOLES		DIMENSIONS			
BDI PART #		TYPE	OUTLETS	INLETS	OUTLETS	#	SPACING	Ø DIA.	LENGTH	HEIGHT	WIDTH
ZEM Junctions	ZEM32M54D	7 WAY	5	M8X1 (2)	M8X1 (5)	1	-	4.3mm	62mm	17mm	13mm
	ZEM32M56D	7 WAY	5	M10X1 (2)	M8X1 (5)	1	-		65mm	17mm	13mm
	ZEM32M58D	7 WAY	5	M14X1.5 (2)	M8X1 (5)	1	-		74mm	20mm	18mm
	DRAWINGS										
Technical drawing of the ZEM32M58D junction. The side view shows a length of 26mm, a central mounting hole with a diameter of 7.40mm typical and a depth of 2.8mm, and a through-hole diameter of 4.30mm typical. The end view shows a height of 10.50mm and a width. The material is Aluminum Alloy and it is double-sided.											

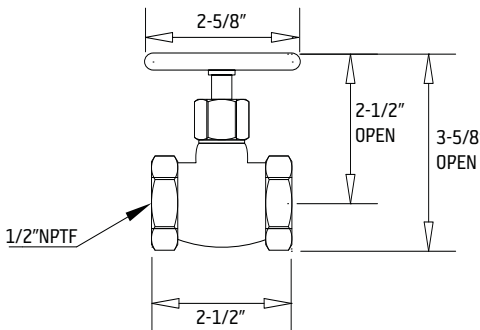
	BDI PART #	PORT A			PORT B		DIMENSIONS						MOUNTING HOLES	
		PIPE SIZE	TUBE SIZE	U-81 NO.	PIPE SIZE		C	D	E	F	G	H	#	Ø DIA.
Anchor Ell  Includes mounting screws Max 6000psi for pipe "T" Type includes U-81 fittings	U1927A	1/8	3/16	U81AA1	1/8		7/8	5/8	1-1/2	7/16	5/16	15/64	2	15/64
	U1927AB	1/4	1/4	U81B2	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
	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														
(PIPE TO PIPE OR TUBE TO PIPE)  NOTE: ORDER AS PIPE TO TUBE ELL BY PLACING "T" AFTER NUMBER (EG U-1927-ABT). A U-81 FITTING IS THEN ADDED TO PORT "A" MAXIMUM WORKING PRESSURE SEE FOOTNOTE*														

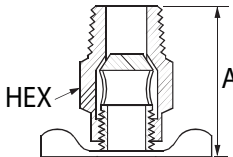
	BDI PART #	THREADS	DIMENSIONS						
		NPTF	A	B	C	D	E	F	G
Anchor Blocks Straight  180° NPTF tapped holes	BLK11689A	1/4	1-1/2	9/16	9/32	3/4	1	1/2	9/32
	DRAWINGS								
									

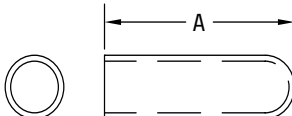
BDI PART #		TYPE	OUTLETS (TUBE)	#	MOUNTING HOLES	Ø DIA.
Anchor Tee Pipe	U1022C	6 WAY	3/8NPT	2		11/32"
	DRAWINGS					
	Includes mounting screws Max 6000psi for pipe 					

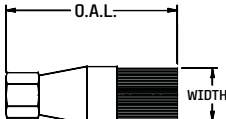
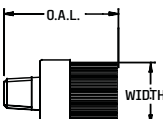
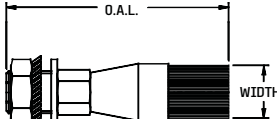
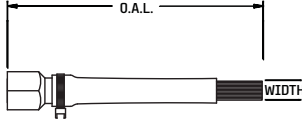
	BDI PART #	THREADS	PRESSURE	DIMENSIONS							
		NPTF	MAX PSI	A	B	C	D	E	F	G	H
Adjustable Needle Valve  Max Temp: -40° to 250°F (-40° to 121°C)	VAL14074A	1/2	5000	1/2NPTF	2.7"	2.42"	2.62"	1.31"	1.25"	0.62"	1.19"
	DRAWINGS										
											

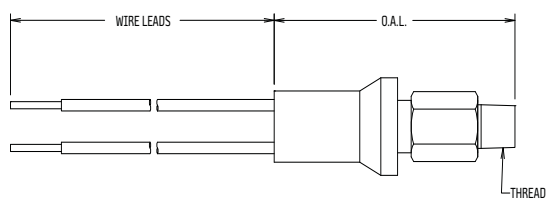
	BDI PART #	THREADS	PRESSURE	DIMENSIONS			
			MAX PSI	A	B	C	D
Shut-off needle valve  Temp Range: 1/8 -40° to 300°F (-40° to 148°C) 1/4 -40° to 250°F (-40° to 121°C) 1/2 -40° to 500°F (-40° to 260°C)	B10233	1/8 NPT	600	1.75"	0.6"	1.875"	1.0"
	VAL13117A	1/4 NPTF	5000	2.0"	0.81"	3.21"	2.0"
	VAL11342A	3/8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

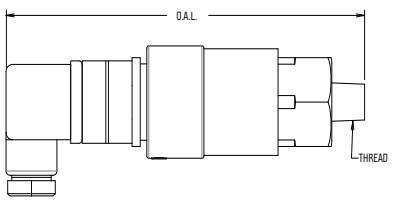
	THREADS		PRESSURE	DIMENSIONS			
	BDI PART #	NPTF	MAX PSI	A	B	C	D
Adjustable Flow Restrictor	LB9425	1/2	10,000 @70°	2.0"	0.81"	3.21"	2.0"
	DRAWINGS						
 Max Temp: 500°F (260°C)							

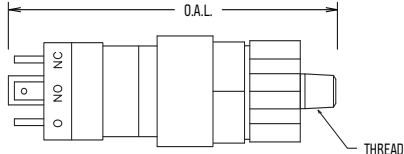
BDI PART #		THREADS	PRESSURE	DIMENSIONS	
		NPT	MAX PSI	A	HEX
Drain Valve  Brass Max Temp: 250°F (121°C)	HP609	1/8NPT	150	0.8"	0.437"
	U127B	1/4NPT	150	1.41"	.562"
	DRAWINGS				
					

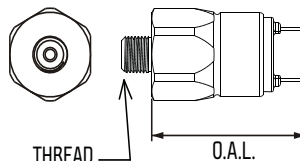
BDI PART #		USED ON PRODUCT	MATERIAL	APPLICATION	A	
					INCH	MM
Indicator Cover Caps 	U1732A	DD20	VINYL	INDICATOR STEM	1.25	31.7
	U1732D	DM30, DM40, FL-1, FL44			1.5	38.1
	U1732E	DD50, DM50, FL11, FL45			2.0	50.8
	U1732F	DM60	2.25		57.1	
	27335	FL32, FL33, FL42, FL43	VINYL	MEASURING CHAMBER	1.25	31.2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

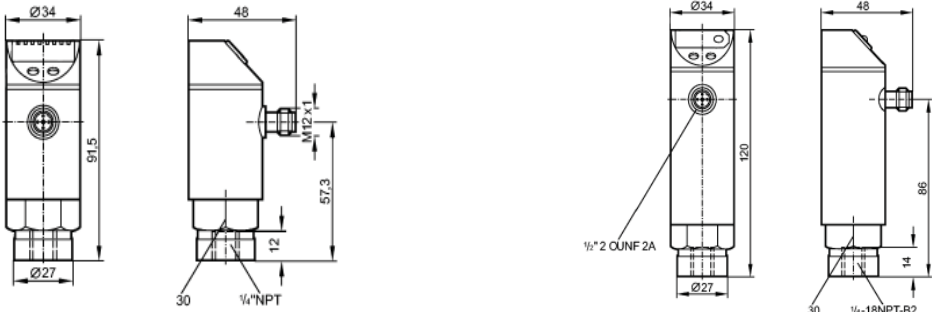
BDI PART #		THREAD		O.A.L.	BRUSH		MATERIAL	STYLE
	TYPE	SIZE			WIDTH	TYPE		
Brushes   Temp. Range: Nylon -22° to 203° F (-30° to 95° C) Metal -22° to 572° F (-30° to 300° C)	50955	FEMALE	1/8NPTF	3.75"	0.28"	ROUND	NYLON	4
	35905	MALE	1/8NPT	2.3125"	1.0"	ROUND	STAINLESS STEEL	2
	B7492	FEMALE	1/8NPTF	2.75"	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
	35935	MALE	1/8NPT	2.3125"	2.0"	FLAT	NYLON	2
	35936	FEMALE	1/8NPT	5.3125"	4.5"	FLAT	NYLON	2
	B7491	FEMALE	5/16-24	2.25"	0.75"	FLAT	NYLON	3
	45398	MALE	1/8BSPP	49MM	10MM	ROUND	NYLON	2
	73490-8283	FEMALE	M10X1	52MM	20MM	FLAT	NYLON	1
	DRAWINGS							
 STYLE 1  STYLE 2  STYLE 3  STYLE 4								

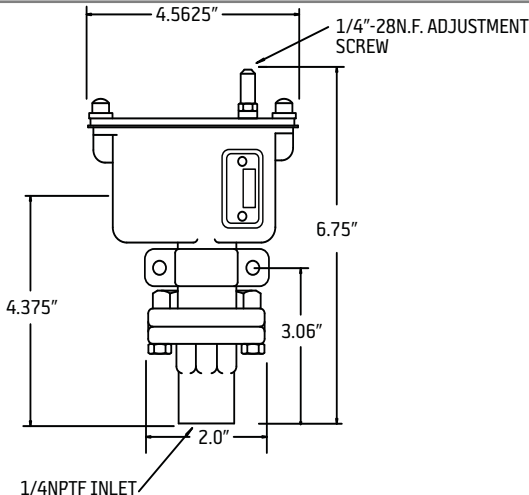
	BDI PART #	PRESSURE		PRESSURE RANGE	THREAD	CONTACT STATE	CONTACT TYPE	ELECTRIC CONN.	VOLTAGE RATING		SET POINT TYPE	ENCL. RATING	DIM O.A.L.
		PSI	BAR						VOLTAGE	AMPS			
Pressure Switch Wire Leads  Temp Range: -40° to 225°F (-40° to 107°C)	26410	11	.75	FIXED	1/8NPT	N.O.	SPST	12" LEADS	250VAC	5	FALLING	IP65	2.6"
									30VDC	5*			
	32759	24	1.6	FIXED	1/8NPT	N.O./N.C.	SPDT	12" LEADS	250VAC	5	FALLING	IP65	2.1"
									30VDC	5*			
	26772	225	15.5	FIXED	1/8NPT	N.O.	SPST	18" LEADS	250VAC	5	RISING	IP65	2.2"
									30VDC	5*			
	19032	225	15.5	FIXED	1/8NPT	N.O.	SPST	12" LEADS	120VAC	5.8	RISING	IP65	2.1"
									240VAC	2.9			
									28VDC	2			
	35517-1	600	41	500-2000PSI	1/4NPT	N.O.	SPST	DEUTECH	250VAC	5	RISING	NEMA 4/13	3.6"
									30VDC	5*			
	35517-2	2000	137	1200-4500PSI	1/4NPT	N.O.	SPST	DEUTECH	250VAC	5	RISING	NEMA 4/13	3.6"
									30VDC	5*			
DRAWINGS													
													
*Resistive													

	BDI PART #	PRESSURE		PRESSURE RANGE	THREAD	CONTACT STATE	CONTACT TYPE	ELECTRIC CONN.	VOLTAGE RATING		SET POINT TYPE	ENCL. RATING	DIM O.A.L.
		PSI	BAR						VOLTAGE	AMPS			
Pressure Switch DIN style  Temp Range: -40° to 225°F (-40° to 107°C)	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			
	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"
	35859	2000	137	1200-4500PSI	1/4NPT	N.O.	SPST	DIN 43650A	250VAC	5	RISING	NEMA 4/13	5.4"
									30VDC	5*			
	35859-1	600	41	500-2000PSI	1/4NPT	N.O.	SPST	DIN 43650A	250VAC	5	RISING	NEMA 4/13	5.4"
									30VDC	5*			
	35652	3500	241	FIXED	1/4NPT	N.O./N.C.	SPDT	DIN 43650A	125/250VAC	5	RISING	IP65	5.3"
									30VDC				
DRAWINGS													
													
*Resistive													

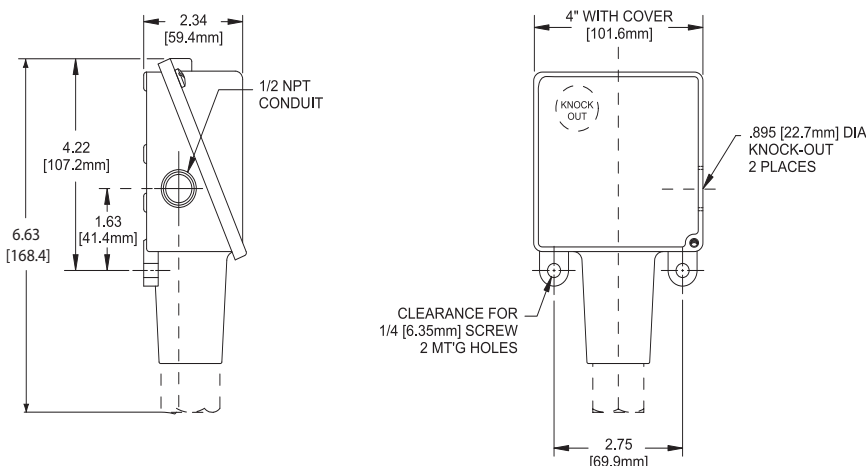
	BDI PART #	PSI	BAR	PRESSURE RANGE	THREAD	CONTACT STATE	CONTACT TYPE	ELECTRIC CONN.	VOLTAGE RATINGS		SET POINT TYPE	ENCL. RATING	DIM O.A.L.
Pressure Switch Form 43650A DIN 	27445-3	1000	68.9	500-4700 PSI	1/4NPT	N.O./N.C	SPDT	DIN TERM A	5A(R)~5A(I) 125/250VAC		RISING	NEMA 4	4.4"
	27444-1	50	3.4	4-50 PSI	1/8NPT	N.O./N.C.	SPDT	DIN TERM A	5A(R)~3A(I) 30VDC		RISING	NEMA 4	4.1"
	27444-2	70	4.8	15-150 PSI	1/8NPT	N.O./N.C	SPDT	DIN TERM A	0.5A(R)~0.25A(I) 125VDC		RISING	NEMA 4	4.1"
	27444-3	100	6.8	30-600 PSI	1/8NPT	N.O./N.C.	SPDT	DIN TERM A	5mA 6VDC 2mA 12VDC 1mA 24VDC		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  													

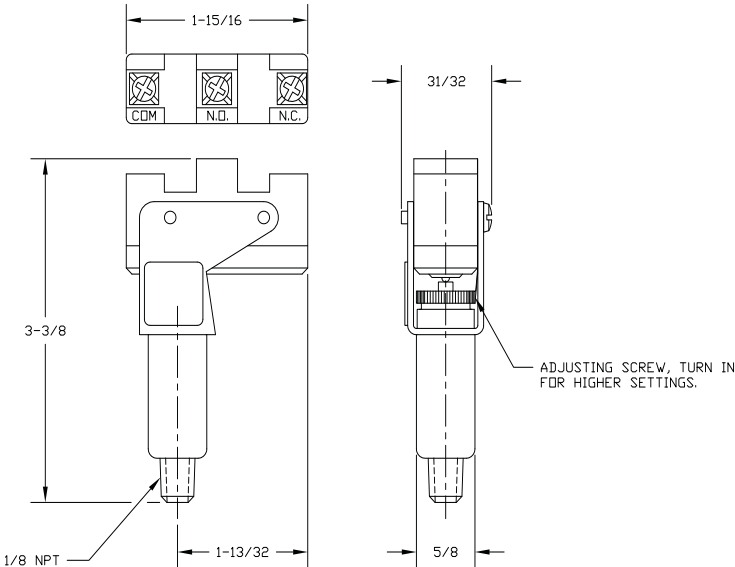
	BDI PART #	PRESSURE		PRESSURE	THREAD	CONTACT		ELECTRIC	VOLTAGE RATINGS		SET POINT	ENCL.	DIM
		PSI	BAR	RANGE		STATE	TYPE	CONN.	VOLTAGE	AMPS	TYPE	RATING	O.A.L.
Pressure Switch Spade style  Temp Range: -40° to 225°F (-40° to 107°C) *Resistive	26393	7	.48	FIXED	1/8NPT	N.C.	SPST	2 SPADES	250VAC 30VDC	5 5*	FALLING	IP65	2.6"
	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												
													

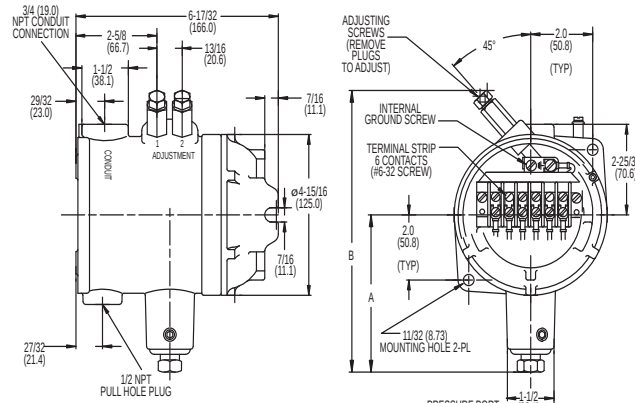
	BDI PART #	PRESSURE PSI	BAR	MPa	THREAD	CONTACT STATE	ELECTRIC CONN.	MAX VOLTAGE	AMPS @MAX	ENCL. RATING	DIM O.A.L.	ENCL. RATING	DIM O.A.L.
Pressure Switch Digital  Temp Range: -40° to 225°F (-40° to 107°C)	29921	10-1440	0-100	0-10	1/4NPTF	N.O./N.C PNP	M12 4POLE	18-36VDC	250mA	IP67	3.6"	NEMA 4	4.4"
	34312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

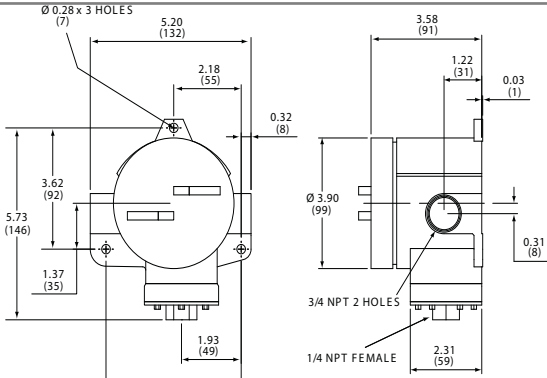
Pressure Switch	BDI PART #	DECREASING PRESSURE		INCREASING PRESSURE		DEAD- BAND	PROOF PRES- SURE	THREAD	CONTACT		ELEC. CONN.	VOLTAGE RATING (CONTINUOUS INDUCTIVE)	
		PSI	BAR	PSI	BAR				STATE	TYPE		VOLTAGE	AMPS
 NEMA 3 UL & CSA Temp Range: -20° to 165°F (-29° to 74°C)	U620D1	250- 2650	17- 180.3	280- 3000	19- 204.1	30-350 PSI	7000 PSI	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250/480VAC	10
												6VDC	15
	DRAWINGS												
													

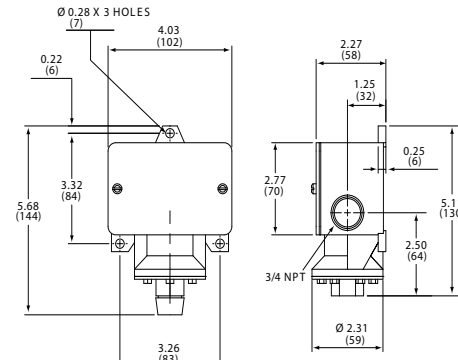
Pressure Switch												
BDI PART	PSI	BAR	PRESSURE		MAX SURGE	THREAD	CONTACT		ELEC.CONN.	VOLTAGE(INDUCTIVE)		
			ACTUATION	DIFFERENTIAL			STATE	TYPE		VOLTAGE	AMPS	
 NEMA 4 & 13 UL, CSA, CE Temp Range: 14° to 122°F (-10° to 50°C)	U6636	400-3000	27.5-206.8	210-400 PSI	10000PSI	3/8NPTF	N.O./N.C.	SPDT	1/2NPTF	110VAC	15	
										220VAC	10	
										440VAC	6	
										115VDC	0.25	

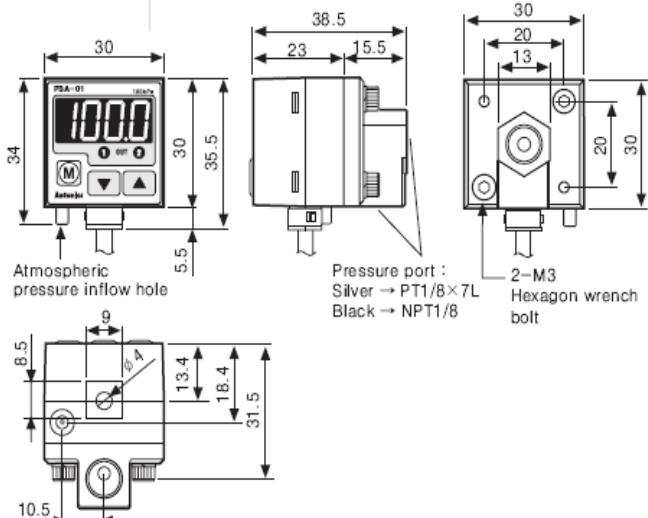
	BDI PART #	PRESSURE		THREAD	CONTACT		ELECTRIC CONNECTION	VOLTAGE RATING(RESISTIVE)		APPROX.DEAD- BAND
		PSI	BAR		STATE	TYPE		VOLTAGE	AMPS	
 NEMA 4X UL, CSA & CE Temp Range: -40° to 160°F (-40° to 71°C)	26792	3-100	0.2-6.9	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF & 7/8 KNOCKOUT(2)	125/250/480VAC	15	1 TO 4PSI
	26793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

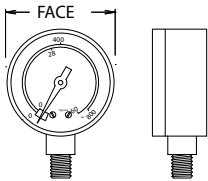
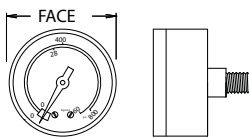
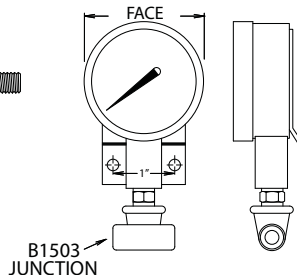
BDI PART #	DECREASING PRESSURE		INCREASING PRESSURE		THREAD	CONTACT		ELEC. CONN.	VOLTAGE	AMPS	ENCL. RATING	
	PSI	BAR	PSI	BAR		STATE	TYPE					
Pressure Switch Explosion Proof Diaphragm	SWT13299A	1.5-144	0.1-9.8	7.5-150	0.5-102	1/4NPTF	N.O./N.C.	SPDT	3/4NPTF	125/250VAC	10	NEMA 4,7,9
										480VAC	3	
 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											
	 XP Div 1&2 UL, CSA NEMA 7/9, IP66 Temp Range: 0° to 150°F (-17° to 65°C) 											

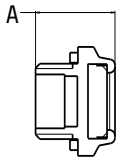
BDI PART #	PRESSURE RANGE		PRESSURE RATINGS(PSI)			THREAD	CONTACT		ELEC. CONN.	VOLTAGE	AMPS
	PSI	BAR	STATIC	PROOF	DEADBAND		STATE	TYPE			
Pressure Switch	26084	0-60	0-4.1	500	2000	1/2NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250VAC	15
	17915	40-200	2.7-13.7	1000	4000	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250VAC	15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

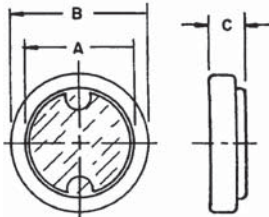
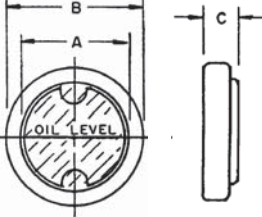
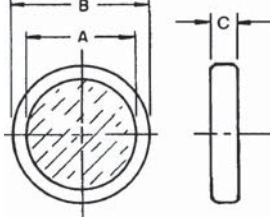
	BDI PART #	PRESSURE		THREAD	CONTACT		ELECTRIC CONN.	MAX VOLTAGE	AMPS @MAX	ELEC. RATING	DIM O.A.L.	NOTES
		PSI	BAR		STATE	TYPE						
Air Pressure Switch Digital	71925	0-145	0-10	1/8BSPT	N.O./N.C	PNP	CABLE GLAND(4MM)	12-24VDC	50mA	IP40	1.6"	DIGITAL
	DRAWINGS											
												
CE												
Temp Range: 14° to 122°F (-10° to 50°C)												
	 Atmospheric pressure inflow hole Pressure port : Silver → PT1/8×7L Black → NPT1/8 2-M3 Hexagon wrench bolt											

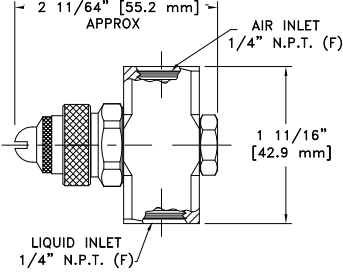
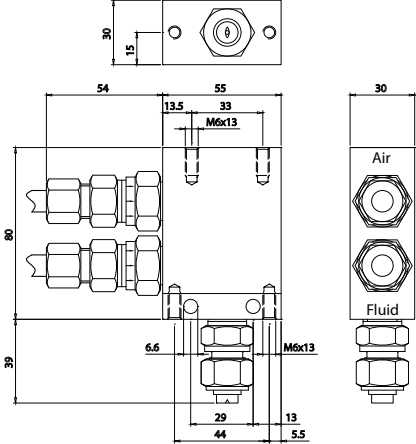
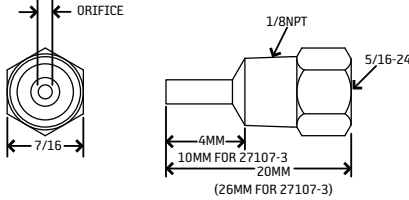
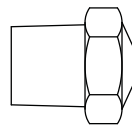
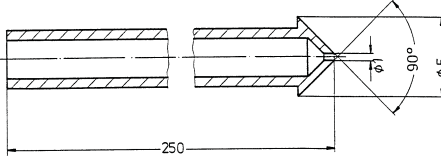
Air Pressure Switch Diaphragm	BDI PART #	PRESSURE		THREAD	CONTACT		ELEC.CONN.	VOLTAGE RATING(INDUCTIVE)		ENCL. RATING	DIM O.A.L.	WIRE CODING
	U623	1.5-150	.1-10	1/4NPTF	N.O./N.C.	SPDT	1/2NPTF	125/250VAC	10	NEMA 4	4.0"	RED = N.O. BLUE = N.C. PURPLE = COMMON
								460VAC	3			
								28VDC	5			
DRAWINGS												
 Temp Range: -65° to 165°F (-54° to 74°C)												

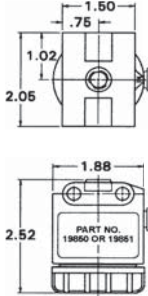
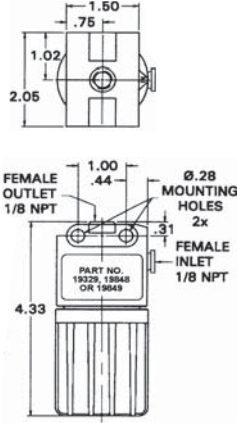
	BDI PART #	SCALE				FACE Inch	MOUNT TYPE	THREAD SIZE	PRESSURE FINGER	LIQUID FILLED	BRACKET 1" CENTER	NOTES
		psi	bar	kPa	kg-cm ²							
Pressure Gauges 	B4310	30	2	-	-	2"	LM	1/8NPTF	NO	NO	YES	
	26367	60	-	-	-	2"	LM	1/8NPTF	NO	NO	YES	INCL RED-ZONE 0-15PSI
	26336	60	-	-	-	2"	LM	5/16-24F	NO	NO	YES	INCL 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	-	-	11	1.5"	CBM	1/8NPT	NO	NO	NO	
	F275Y160M	160	11	-	-	2"	CBM	1/4NPT	NO	NO	NO	
	23522	160	11	-	-	2"	LM	1/8NPT	NO	NO	NO	
	U902H	160	11	-	-	2.62"	LM	1/8NPT	NO	YES	NO	
	23572	160	11	-	-	38MM	CBM	1/8NPT	NO	NO	NO	
	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 												

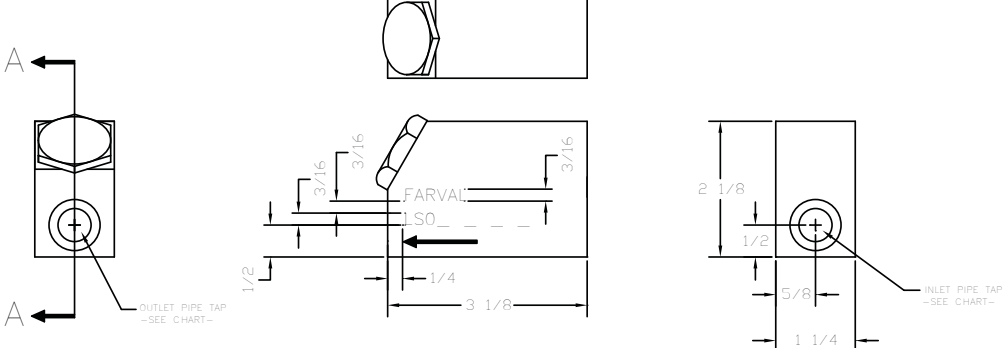
	BDI PART #	SCALE					FACE Inch	MOUNT TYPE	THREAD SIZE	PRESSURE FINGER	LIQUID FILLED	BRACKET 1" CENTER	NOTES
		psi	bar	kPa	kg-cm ²	MPa							
Pressure Gauges (Continued) 	B7311	200	-	-	-	-	2.5"	CBM	1/8NPT	NO	NO	NO	PANEL MOUNT
	A4297	300	-	-	-	-	1.5"	LM	1/8NPT	NO	NO	NO	
	60528	300	20	-	-	-	1.5"	LM	1/8NPT	NO	YES	NO	
	23821	360	25	-	-	-	40MM	CBM	1/8NPT	NO	NO	NO	
	75111M015	360	25	-	-	-	63MM	CBM	1/4BSPP	NO	YES	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	56	-	-	-	2"	LM	1/8NPT	NO	NO	NO	
	23411	870	70	-	-	-	2"	LM	1/8NPT	NO	NO	NO	
	24541	1000	70	-	-	-	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	140	-	-	-	2.12"	LM	1/8NPT	NO	YES	NO	
	U902D	3000	200	-	-	-	2.62"	LM	1/4NPT	NO	YES	NO	
	U902DB	3000	200	-	-	-	2.62"	CBM	1/4NPT	NO	NO	NO	
	U902F	5000	350	-	-	-	2.62"	LM	1/4NPT	NO	YES	NO	
	U902FB	5000	350	-	-	-	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	
	30886-16	9000	-	35000	-	60	2.62"	LM	1/4BSPT	NO	YES	NO	
	30854-12	3625	-		-	25	71.3MM	CBM	1/4BSPT	NO	NO	NO	

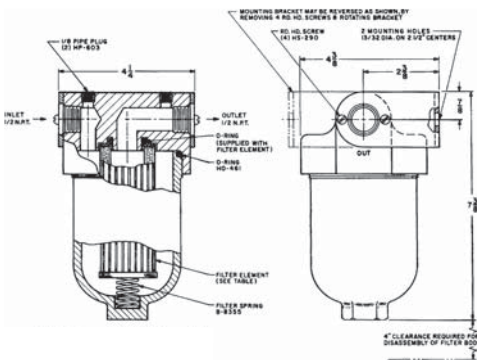
	BDI PART #	THREADS	PRESSURE MAX PSI	HEX SIZE	LENS DIAMETER	DIMENSION A	LENS MATERIAL	PLUG MATERIAL	
Oil Level Sight Plugs  Max temp: LSPB 500°F (260°C) AX 266°F (130°C)	LSPB 38	3/8NPT	400	3/4"	7/16"		GLASS	COLD ROLLED STEEL	
	LSPB 50	1/2NPT	250	7/8"	5/8"				
	LSPB 75	3/4NPT	200	1-1/8"	3/4"				
	LSPB 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	1/2BSPP		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								

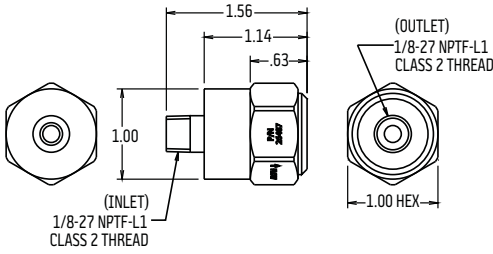
		DIMENSIONS			NOTES	
BDI PART #		I.D.(A)	O.D.(B)	W.(C)	TYPE	(Previous Plastic Style BIJUR Part Number:)
Window Units  Material: Glass window Corrosion-resistant plated Max Temperature: 300°F (148°C)	B5184	5/8"	7/8"	19/64"	Standard	B4900
	B5944	5/8"	7/8"	19/64"	Level	B5095
	B5602	5/8"	7/8"	19/64"	Open	B5104
	B5108	1"	1-1/4"	11/32"	Standard	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	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	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	
	B8265	1-3/4"	2"	3/8"	Open	
	DRAWINGS					
    STANDARD (5/8 WINDOW) LEVEL OPEN						

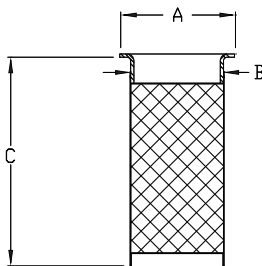
	BDI PART #	INLETS		TYPE	SPRAY PATTERN	ORIFICE SIZE	FIGURE	NOTES
		AIR	OIL					
Nozzles   	AR1758	1/4BSPP	1/4BSPP	GREASE	ROUND		1	BRASS, MAX 500PSI
	U922C	1/4NPTF	1/4NPTF	GREASE	ROUND		1	BRASS, MAX 500PSI
	U922C-SS	1/4NPTF	1/4NPTF	GREASE	ROUND		1	STAINLESS STEEL, MAX 500PSI
	U922G	1/4NPTF	1/4NPTF	GREASE	ROUND		1	BRASS, CLEAN OUT TYPE, MAX 500PSI
	U922D	1/4NPTF	1/4NPTF	GREASE	ROUND		1	SS, 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
	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  FIGURE 2 SDU measurements shown in mm.  FIGURE 3  FIGURE 4  FIGURE 5								

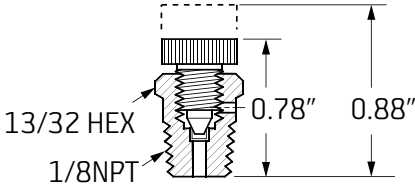
	BDI PART #	MICRON	SIZE	THREADS		REPLACEMENT ELEMENT	REPLACES OLD BIJUR FILTER PART NUMBER:
				INLET	OUTLET		
Inline Filters High Pressure  Max Pressure: 500 psi	43252	5	1"	1/8NPTF	1/8NPTF	43254	-
	19850	25	1"	1/8NPTF	1/8NPTF	B6527	B7239
	19851	125	1"	1/8NPTF	1/8NPTF	B6530	B7243
	19329	10	3"	1/8NPTF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

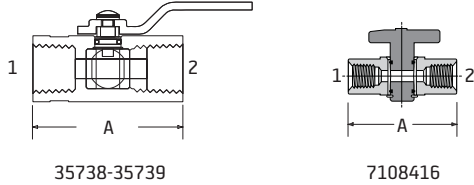
	BDI PART #	MICRON	THREADS		MEDIA	INDICATOR	SWITCH	REPLACEMENT SCREEN
			INLET	OUTLET				
Strainers  Max Pressure: 5000 psi Flow Value: 2 gpm	LS02103	25	1/4NPTF	1/4NPTF	OIL UP TO 500SSU	NO	NO	LS0205103
	LS03103	25	3/8NPTF	3/8NPTF	OIL UP TO 500SSU	NO	NO	LS0205103
	LS02106	150	1/4NPTF	1/4NPTF	OIL UP TO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

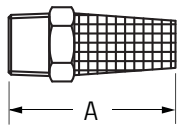
	BDI PART #	MICRON	SIZE	THREADS		FLOW VALUE (Φ)	REPLACEMENT ELEMENT
				INLET	OUTLET		
Inline Filters  Max Pressure: 300 psi	D3489	3	7.375"	1/2NPTF	1/2NPTF	400,000	B9830
	D3527	12	7.375"	1/2NPTF	1/2NPTF	1,000,000	B9832
	D3467	25	7.375"	1/2NPTF	1/2NPTF	1,200,000	B9765
	DRAWINGS 						

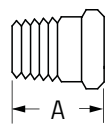
	BDI PART #	MICRON	MAX FLOW	THREADS		OIL VISCOSITY	MAX PRESSURE
				INLET	OUTLET		
Inline Filters Stainless Steel  Max Temperature: -320°F TO 800°F (-196°C TO 427°C)	26487	5	5 GPM	1/8NPT	1/8NPTF	100-2000 SSU	6000 PSI
	DRAWINGS 						

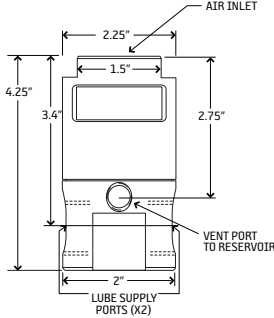
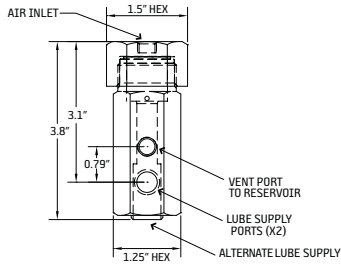
	BDI PART #	DIMENSIONS			NOTES
		A	B	C	
Fill Strainers    	32116-1	37mm	34mm	35.5mm	USED WITH CAP 32114
	19030	1.10"	0.86"	2.0"	USED WITH HF705C
	35150	49mm	27mm	127mm	ASSEMBLY USED ON SURFIRE I SINGLE PHASE (Includes fill cap, gaskets & screws)
	23915	41.5mm	37.5mm	124mm	ASSEMBLY USE ON SUREFIRE I - 3 PHASE (Includes fill cap)
	27073	82.7mm	46.5mm	126.5mm	ASSEMBLY USED ON LARGE SIZE RESERVOIRS
	71121	30.5mm	27.5mm	110mm	ASSEMBLY USED ON SURFIRE II (Includes fill cap, chain and oring)
DRAWINGS 					

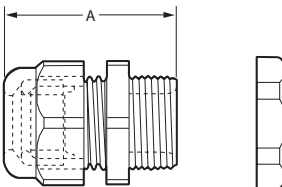
	BDI PART #	MAX PSI	THREADS	NOTES
Air Vent Valve  Max Temperature: -65°F TO 250°F (-53°C TO 121°C)	U129	150	1/8NPT	
	DRAWINGS			
				

	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 175°F/7108416)	35738	1/4NPTF	1/4NPTF	1.75"	600	BRASS
	35739	1/8NPTF	1/8NPTF	1.875"	1000	BRASS
	7108416	1/4NPTF	1/4NPTF	2.10"	250	BRASS
	37161	3/8NPTF	3/8NPTF	2.87"	7000	STEEL
	DRAWINGS					
						

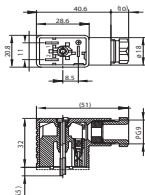
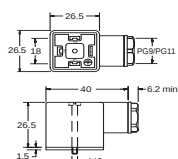
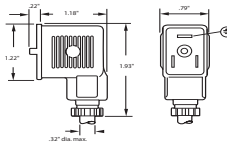
	BDI PART #	MAX PSI	THREADS	DIMENSIONS		NOTES
				A	HEX	
Muffler Filter  Max Temperature: 40°F TO 300°F (4°C TO 148°C)	A4239-M	300	1/8NPT	1-1/8"	7/16"	
	A4239-1	300	1/4NPT	1-3/8"	9/16"	
	A4239-3	300	1/2NPT	1-7/8"	7/8"	
	33007	300	1/8BSPP	27MM	12MM	
	DRAWINGS					
						

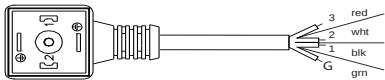
	BDI PART #	MAX PSI	THREADS	DIMENSIONS		NOTES
				A	HEX	
Breather Filter Vents  Max Temperature: 40°F TO 300°F (4°C TO 148°C)	A4256	150	1/8NPT	7/16"	7/16"	
	A4256-1	150	1/4NPT	5/8"	9/16"	
	A4256-2	150	3/8NPT	3/4"	11/16"	
	A4256-3	150	1/2NPT	7/8"	7/8"	
	31875	150	1/4BSPP	14.5MM	16MM	
	DRAWINGS					
						

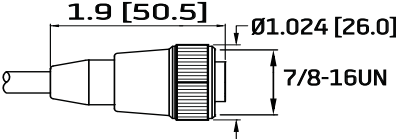
	BDI PART #	THREADS				RECOMMENDED LUBRICANTS
		AIR INLET	VENT PORT	LUBE SUPPLY(X2)	ALT LUBE SUPPLY	
Vent Valves  Maximum Lubricant Pressure: 3800psi (262bar) Maximum Air Pressure: 120psi (8bar) Minimum Air Pressure: 40psi (3bar)	13850	1/4NPTF	1/4NPTF	3/4NPTF	-	OIL TO NLGI # 2 GREASE
	27708	1/8NPTF	1/8NPTF	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			
				

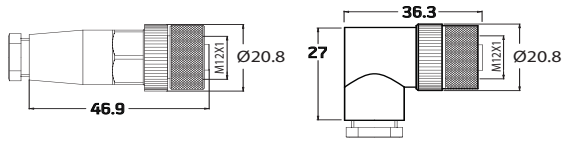
	BDI PART #	TYPE	STYLE	TYPE	CONNECTION	CABLE O.D.	MAX CURRENT	WIRES
Wire Harness Assembly  Temp. Range: -67° to 257° F (-55° to 125° C)	35559	DEUTSCH 2-WAY PLUG	STR	2 POLE	25'-FT.	0.198"	13 AMPS	RED/BLK
	35597	DEUTSCH 2-WAY PLUG	STR	2 POLE	25'-FT.	0.365"	13 AMPS	RED/BLK
DRAWINGS								
								

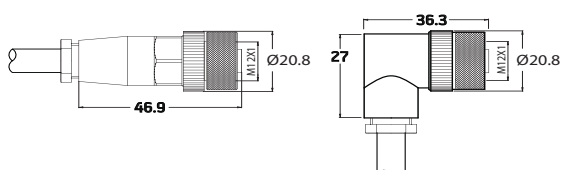
	BDI PART #	DIN	FORM	TYPE	CONNECTION	MAX WIRE DIA.	MAX VOLTAGE	MAX CURRENT	CONTACTS
DIN Connectors  Temp. Range: -13° to 194° F (-25° to 90° C) Protection: NEMA 4/IP65	MCC2509A	43650	B	GROUND UP	PG9	0.18"-0.275"	300VDC/250VAC 50/60Hz	10 AMPS	2 + GROUND
	MCC2510A	43650	A	GROUND UP	PG-11	0.31"-0.39"	300VDC/250VAC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

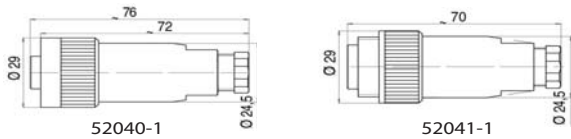
	BDI PART #	DIN	FORM	TYPE	WIRE	WIRE LENGTH	MAX VOLTAGE	MAX CURRENT	CONTACTS
DIN Connectors With Cables  Temp. Range: -13° to 194° F (-25° to 90° C) Protection: NEMA 4/IP65 NEMA 6/IP67(35732)	35732-1	43650	A	GROUND UP	AWG 18/4	15'-FT.	300VDC/250VAC 50/60Hz	10 AMPS	3 + GROUND
	35732-2	43650	A	GROUND DOWN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

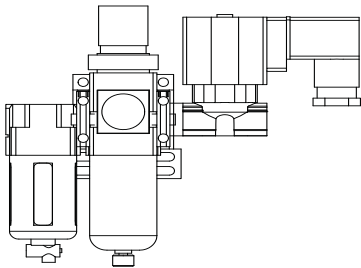
	BDI PART #	TYPE	LENGTH	CONNECTION	WIRE	MAX VOLTAGE	MAX CURRENT	NOTES
Automotive Type Connectors with Cable - BH/CH  Temp. Range: -4° to 221° F (-20° to 105° C) Protection: NEMA 6/IP68	MCC2505A	FEMALE	6'-FT.	3 PIN	AWG 18/3	300VDC/250VAC 50/60Hz	9 AMPS	
	MCC2505B	FEMALE	12'-FT.	3 PIN	AWG 18/3	300VDC/250VAC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

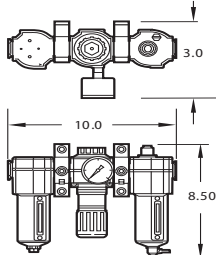
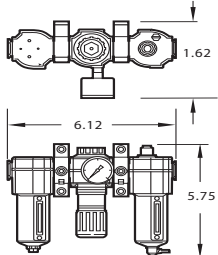
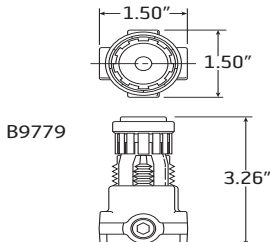
	BDI PART #	AWG	CONDUCTORS	UL/CSA TYPE	VOLTAGE	O.D.	WIRE COLORS
Electric Cables  Temp. Range: -40° to 194° F (-40° to 90° C)	15117-1	18	3	SJO	300V	0.320"	GREEN/WHITE/BLACK
	15117-2	18	2	SVO	300V	0.238"	WHITE/BLACK
	15117-5	16	4	SJO	300V	0.365"	RED/GREEN/WHITE/BLACK
	35563	16	2	UL-CL3R	300V	0.198"	RED/BLACK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

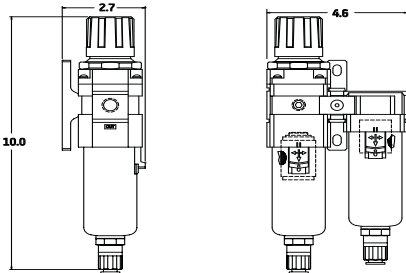
	BDI PART #	TYPE	STYLE	M12 TYPE	CONNECTION	MAX VOLTAGE	MAX CURRENT	NOTES
M12 Connectors Field Attachable  Temp. Range: -13° to 194° F (-25° to 90° C) Protection: IP67	23694	FEMALE	STR	5 POLE	PG11	60V AC/DC	4 AMPS	
	23694-1	FEMALE	90°	5 POLE	PG11	60V AC/DC	4 AMPS	
	23837	FEMALE	STR	8 POLE	PG11	30V AC/DC	2 AMPS	
	23842	FEMALE	90°	8 POLE	PG11	30V AC/DC	2 AMPS	
DRAWINGS								
								

	BDI PART #	TYPE	STYLE	M12 TYPE	LENGTH	MAX VOLTAGE	MAX CURRENT	NOTES
M12 Connectors with Cable  Temp. Range: -13° to 158° F (-25° to 70° C) Protection: IP69K	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	UN SHIELDED
	769282813	FEMALE	STR	3 POLE	2 METERS	250V AC/DC	4 AMPS	UN SHIELDED
	76928-2853	FEMALE	STR	3 POLE	5 METERS	250V AC/DC	4 AMPS	UN SHIELDED
	76928-2863	FEMALE	STR	3 POLE	10 METERS	250V AC/DC	4 AMPS	UN SHIELDED
	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								
								

	BDI PART #	TYPE	STYLE	TYPE	CONNECTION	MAX VOLTAGE	MAX CURRENT	NOTES
Bayonet Conn. Field Attachable  Temp. Range: -40° to 212° F (-40° to 100° C) Protection: IP67 IP65(for cable 6-7mm)	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								
								

	BDI PART #	FILTER REGULATOR	COALESCING FILTER	SOLENOID VOLTAGE	CONNECTION THREADS	REPLACEMENT ELEMENTS FILTER REGULATOR	COALESCING FILTER
Air Preparation: Filter Regulator Coalescing Filter Solenoid Valve  Temp. Range: 23° to 140° F (-5° to 60° C) Max psi: 145	60195-5	5 µm	0.01 µm	110VAC	1/4NPTF	60200	60201
	60195-7			24VDC			
	60195-9			220VAC			
	60193-5*			N/A			
DRAWINGS							
 <i>*Individual -no solenoid</i> <i>Filter/Regulator P.N. 60193-5</i>							

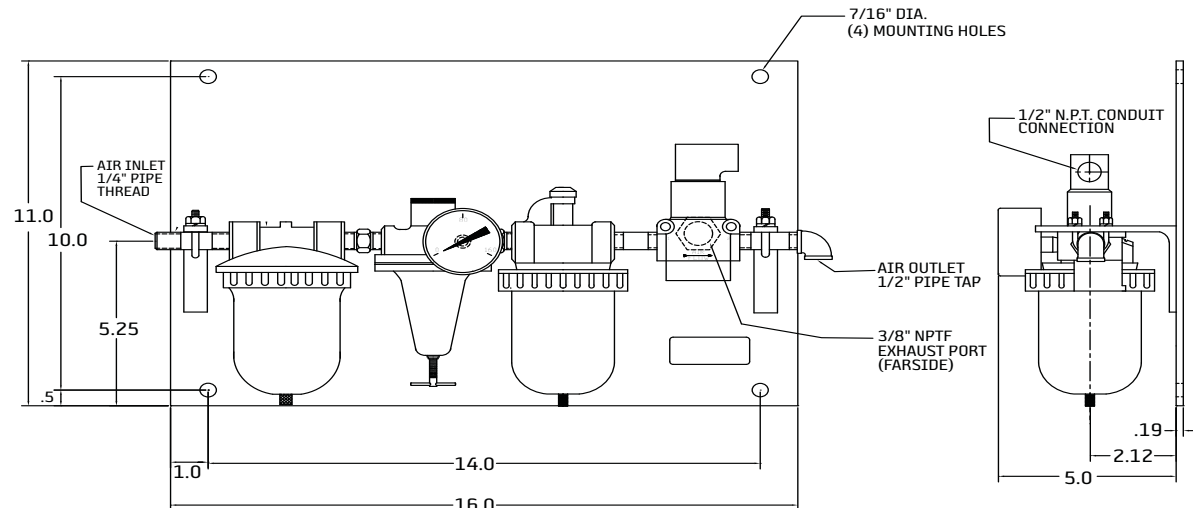
BDI FRL PART #		THREADS	TYPE	NOTES
Air Preparation: Filter Regulator Lubricator - FRL  Temp. Range: 23° to 140° F (-5° to 60° C) Max psi: 145	F995	1/4NPTF	MINI FILTER-REGULATOR-LUBRICATOR	MINI
	F6282	1/4NPTF	FILTER-REGULATOR-LUBRICATOR	
	F984	3/8NPTF	FILTER-REGULATOR-LUBRICATOR	
	F985	1/2NPTF	FILTER-REGULATOR-LUBRICATOR	
	F986	3/4NPTF	FILTER-REGULATOR-LUBRICATOR	
	F955	1/4NPTF	MINI FILTER-REGULATOR	MINI
	F956	1/4NPTF	FILTER-REGULATOR	
	F957	3/8NPTF	FILTER-REGULATOR	
	F958	1/2NPTF	FILTER-REGULATOR	
	F952	3/4NPTF	FILTER-REGULATOR	
	F993	1/4NPTF	MINI FILTER	MINI
	F6022	1/4NPTF	FILTER	METAL BOWL & AUTO DRAIN
	F975	3/8NPTF	FILTER	METAL BOWL & AUTO DRAIN
	F6024MD	1/2NPTF	FILTER	METAL BOWL & AUTO DRAIN
	F982	3/4NPTF	FILTER	METAL BOWL & AUTO DRAIN
	F991	1/4NPTF	MINI REGULATOR	MINI
	B9779	1/8NPTF	REGULATOR	KNOB
	F1192G	1/4NPTF	REGULATOR	KNOB & GAUGE
	F973	3/8NPTF	REGULATOR	KNOB & GAUGE
	F1194G	1/2NPTF	REGULATOR	KNOB & GAUGE
	F1196G	3/4NPTF	REGULATOR	KNOB & GAUGE
Regulators  Temp. Range: -40° to 180° F (-40° to 82° C) B9779 32° to 150° F (0° to 65.6° C)	F992	1/4NPTF	MINI LUBRICATOR	MINI
	F6062	1/4NPTF	LUBRICATOR	METAL BOWL
DRAWINGS				
Lubricators 				
				
				

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			
Filter Regulator Coalescing Filter		DRAWINGS					
 Temp. Range: 23° to 140° F (-5° to 60° C) Max psi: 145 SCFM: 11.6							

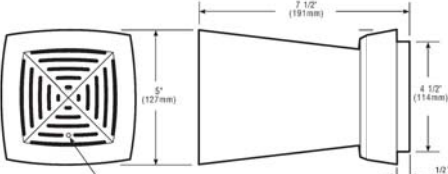
Temp. Range:
23° to 140° F
(-5° to 60° C)

Max psi:
145

SCFM: 11.6

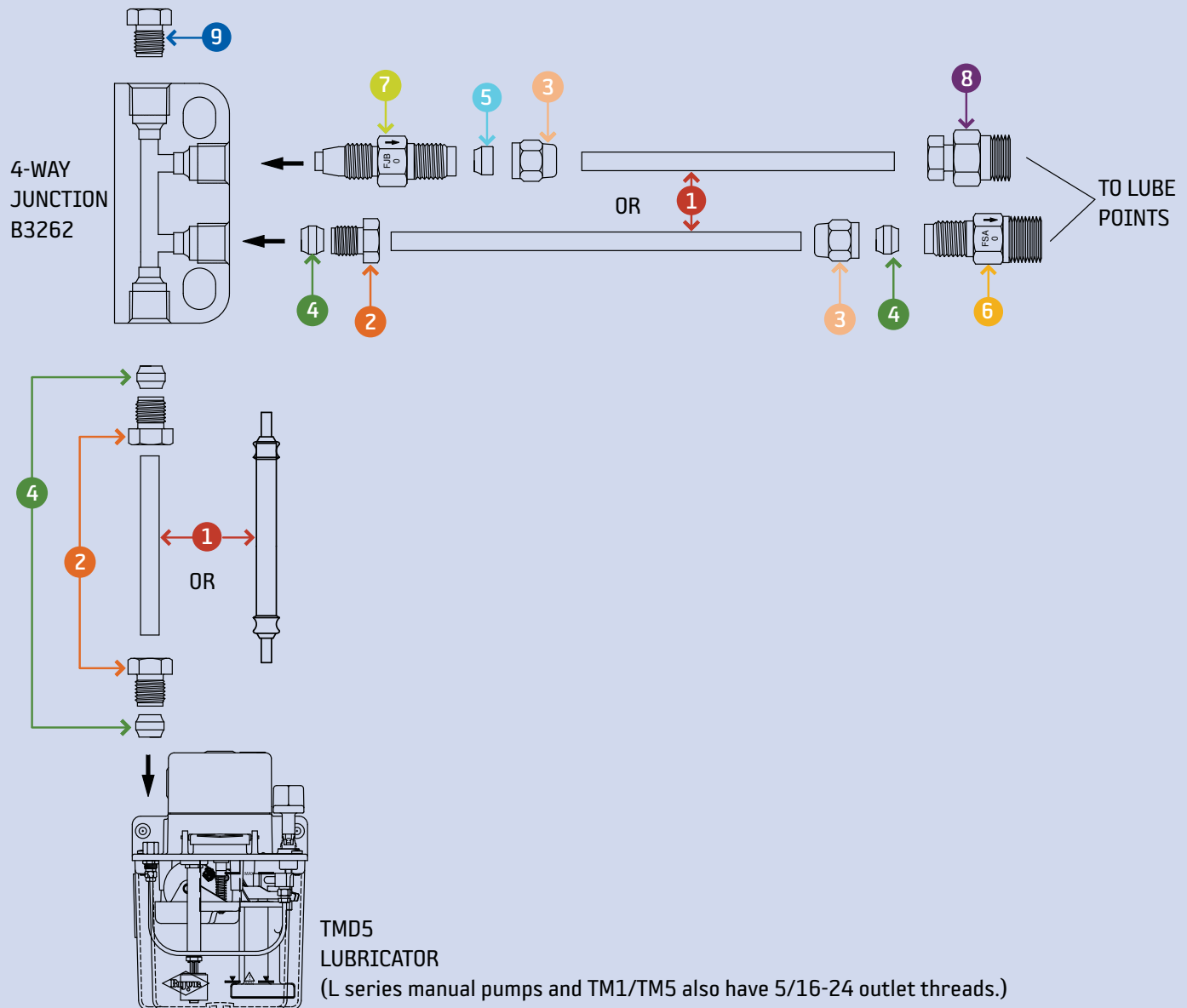
	BDI PART #	THREADS		VOLTAGE	SOLENOID CONNECTION	PANEL SIZE	NOTES
		INLET	OUTLET				
Air Preparation:	LD7767CA1	1/4NPT	1/2NPTF	120VAC	1/2NPTF	16" X 11"	F6282 + U10626A1
	LD7767CA2	1/4NPT	1/2NPTF	240VAC	1/2NPTF	16" X 11"	F6282 + U10626A2
	LD7767CA5	1/4NPT	1/2NPTF	24VDC	1/2NPTF	16" X 11"	F6282 + U10626A5
Air Control Panel Remote	DRAWINGS						
							

Temp. Range:
-40° to 180° F
(-40° to 82° C)

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						
							

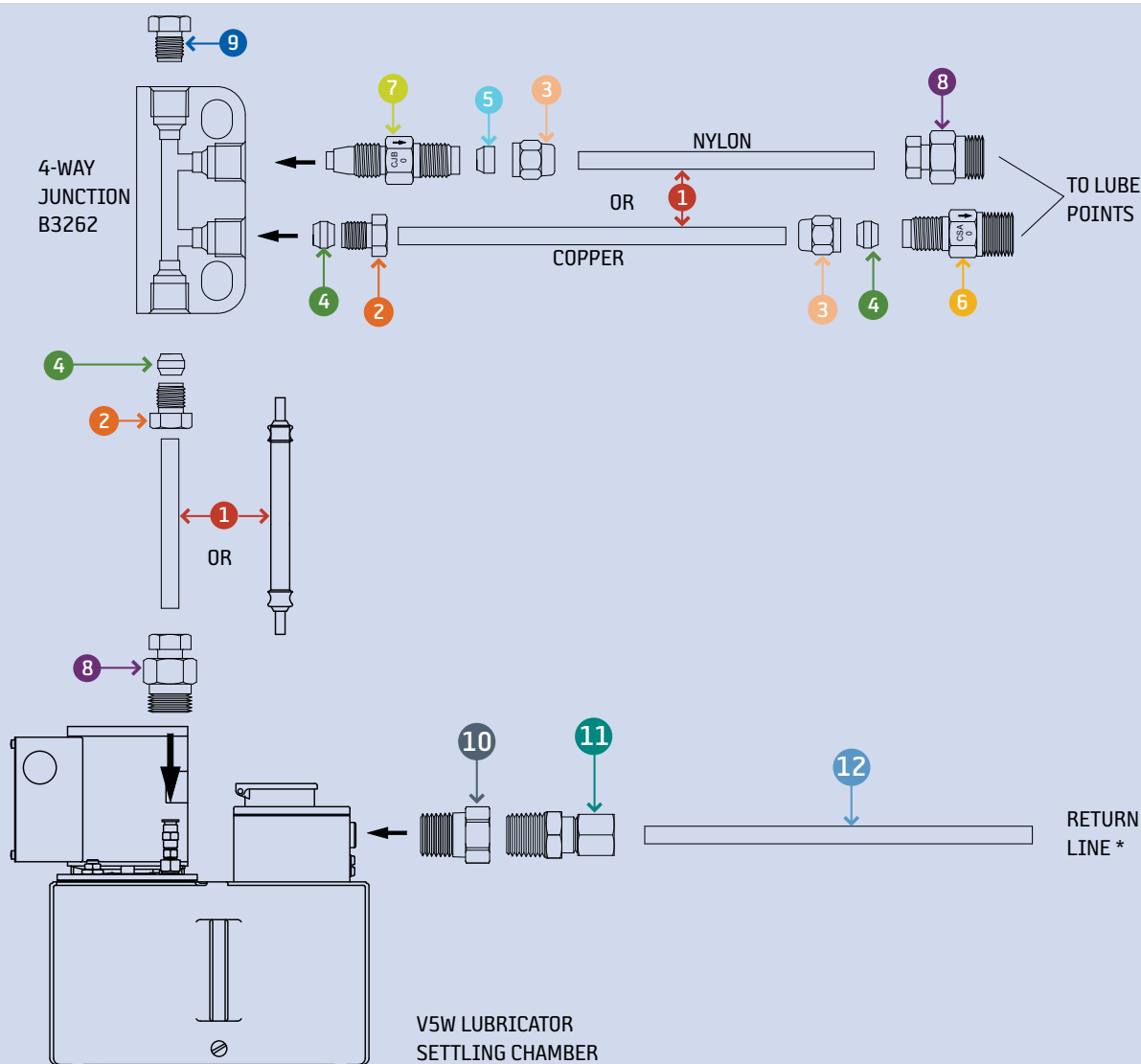
SLR Typical Compression Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Tubing - Metal	5/32" O.D. TUBING	32196	Page 31
	Tubing - Nylon	5/32" O.D. nylon tubing	5N25-25	Page 30
	Hose Assemblies	hose assemblies with 5/32"(4mm) stand-pipe ends	85225-16	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 Continuous Layout

	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Tubing - Metal	5/32" O.D. TUBING	32196	Page 31
	Tubing - Nylon	5/32" O.D. nylon tubing	5N25-25	Page 30
	Hose Assemblies	hose assemblies with 5/32"(4mm) stand-pipe ends	85225-16	Page 22
2	Compression Bushings	5/32" male compression bushing	81371	Page 18
3	Compression Nuts	5/32" female compression nut	81095	
4	Compression Sleeves-Double side	5/32" sleeve for metal tubing	81061	Page 19
5	Compression Sleeves-Single side	5/32" sleeve for plastic tubing	88272	
6	Control Units	Lube point mounted control unit for 5/32" tubing	87026	Page 36-37
7		Junction mount control unit for 5/32" tubing	87038	
8	Tubing Adapters Assemblies	5/32" tube X 1/8NPT str. assy	83297	Page 10-11
9	Plugs	5/16-24 Plug	83784	Page 20
10	Reducer Bushing	1/2NPT x 1/4NPTF	89953	Page 8
11	Tubing Adapter	1/4" Tube x 1/4NPT str assy	86533	Page 10-11
12	Tubing	1/4" Steel Tube	27721	Page 31

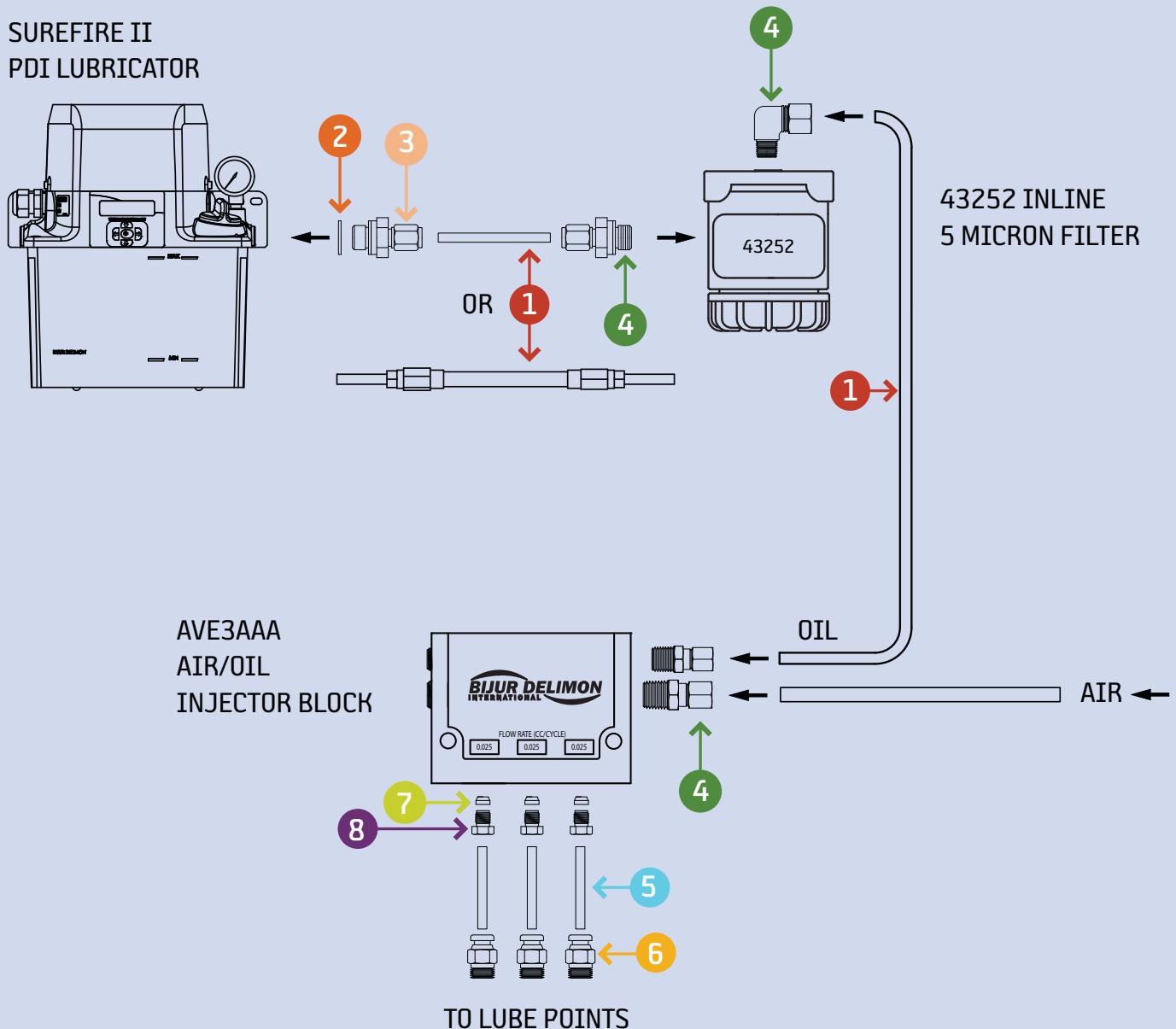


* Note: Return line filter recommended.

PDI Typical Air-Oil Layout

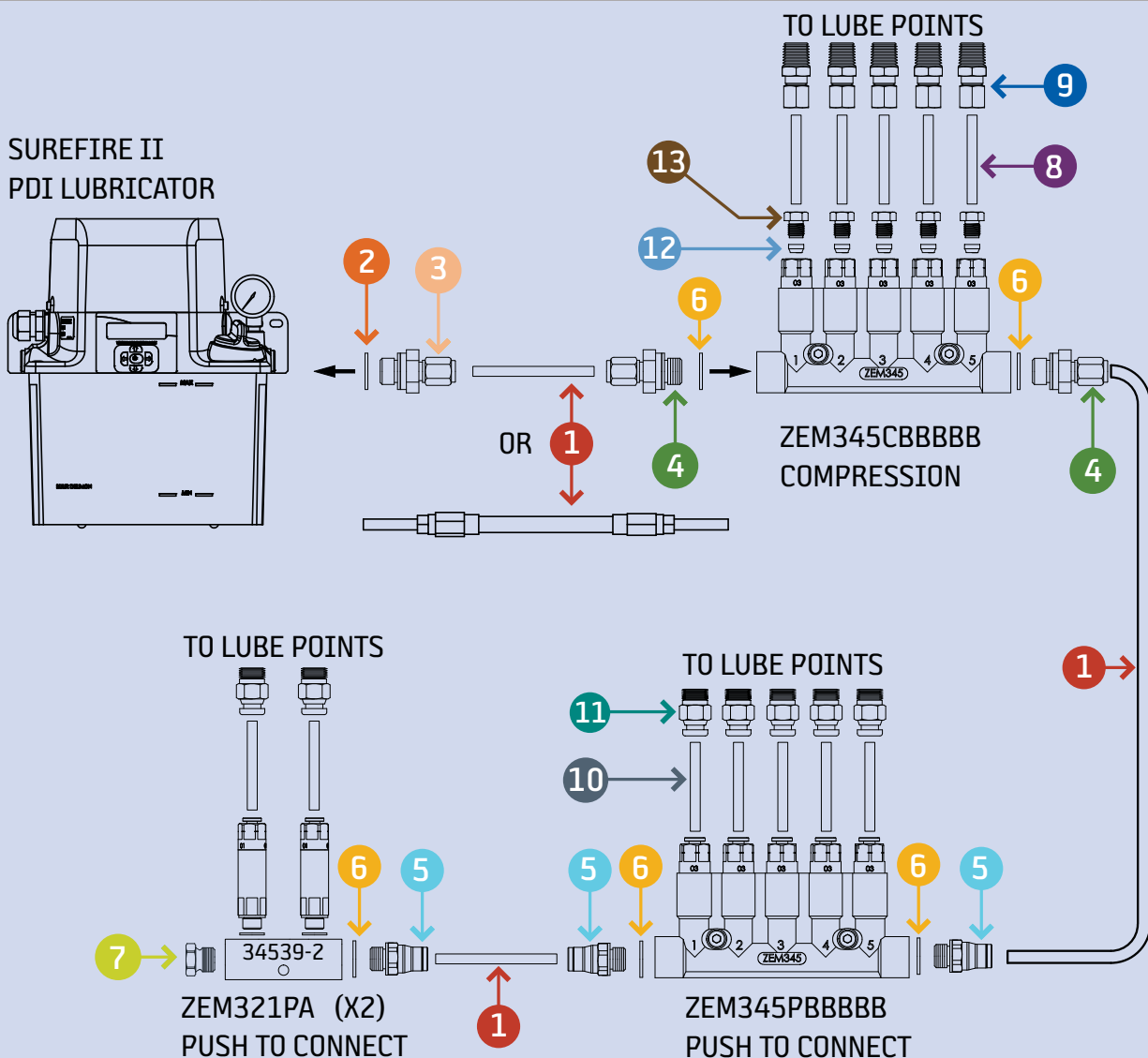
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
1	Supply Line Tubing - Nylon	6mm O.D. TUBING	B10437C	Page 30
	Hose Assemblies	PDI hose assy with 6mm stand-pipe ends	34971-10	Page 23
2	Copper Washer	1/4BSPP copper washer	35010	Page 21
3	Pump Outlet Fitting	6mm tube X 1/4BSPP	AR397	Page 10
4	Tubing Adapters	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 II PDI LUBRICATOR



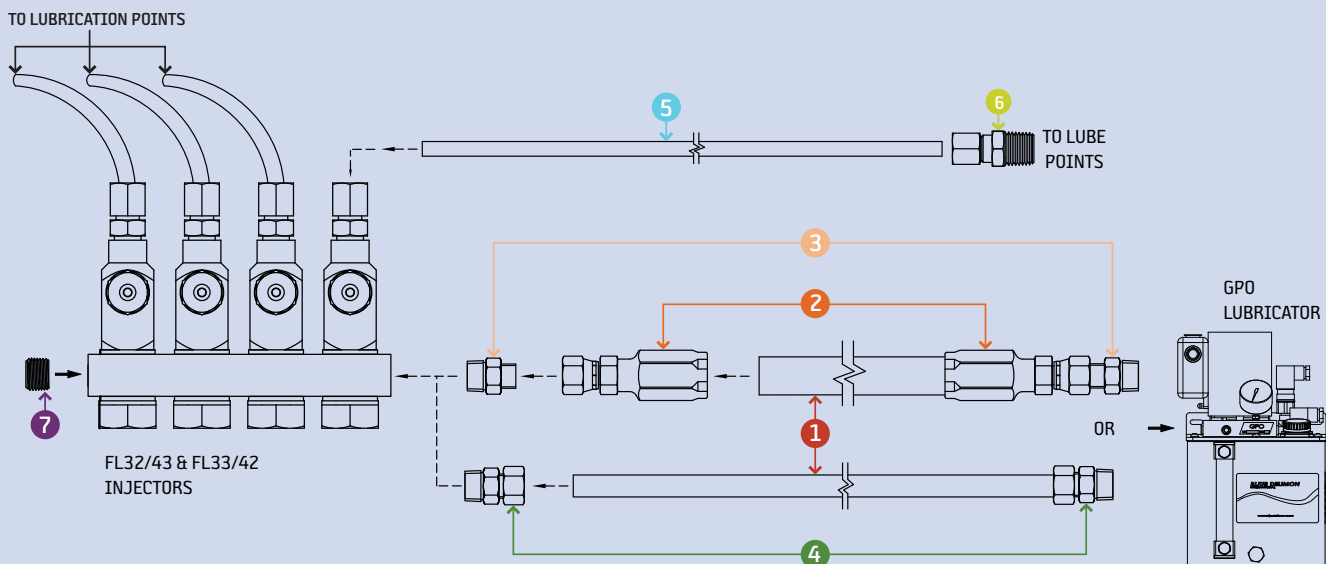
PDI ZEM Typical Layout

	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	AR1855	Page 16
6	Copper washer	M10 copper washer	20913-1	Page 21
7	Plug	M10X1 plug	AR1024	Page 20
8	Feed Line Tubing - Copper	4mm (5/32") copper tubing	32196	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	5N25-25	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



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

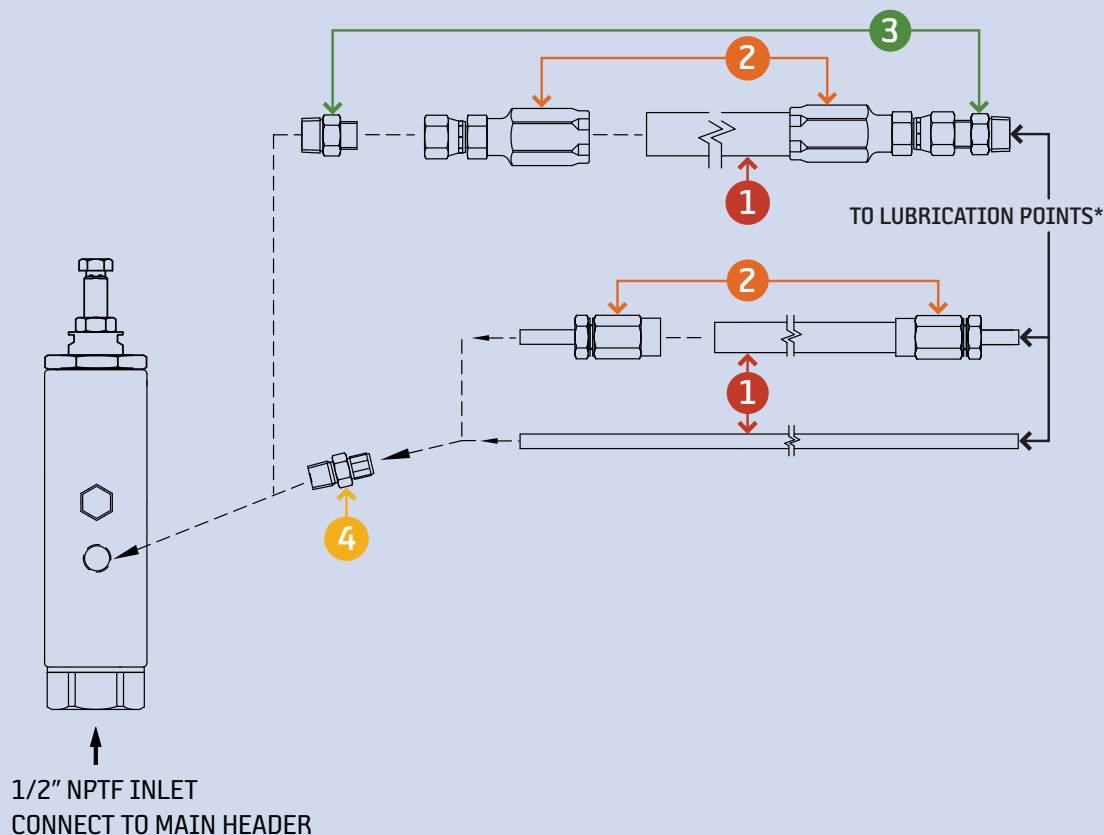
		NAME	DESCRIPTION	EXAMPLE PART # FL33 - FL42 (1/8 NPT)	EXAMPLE PART # FL32 - FL43 (1/4 NPT)	DETAIL PART PAGES
SUPPLY LINE	1	Hose*	1/4" I.D. Hose	U7184	Page 26	
			3/8" I.D. Hose	U7186		
		Tubing*	1/4" O.D. Steel Tubing	U424E4	Page 31	
			3/8" O.D. Steel Tubing	U424E6		
	2	Hose Ends	1/4"I.D. Hose X Female 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	U83B1+U1104AS	B10092-1	
			3/8" OD Tube adapter straight	U83D1	U83D2	
			3/8" OD Tube adapter 90 degree	7962FBUS + U1104AS	U83D2+U1104B	
FEED LINES & LUBE POINT FTGS	5	Hose	3/16" ID Hose	27730	Page 26	
		Tubing	1/8" O.D. Nylon Tubing	27722	Page 30	
			1/8" O.D. Copper Tubing	4C30	Page 31	
	6	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		
	7	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.

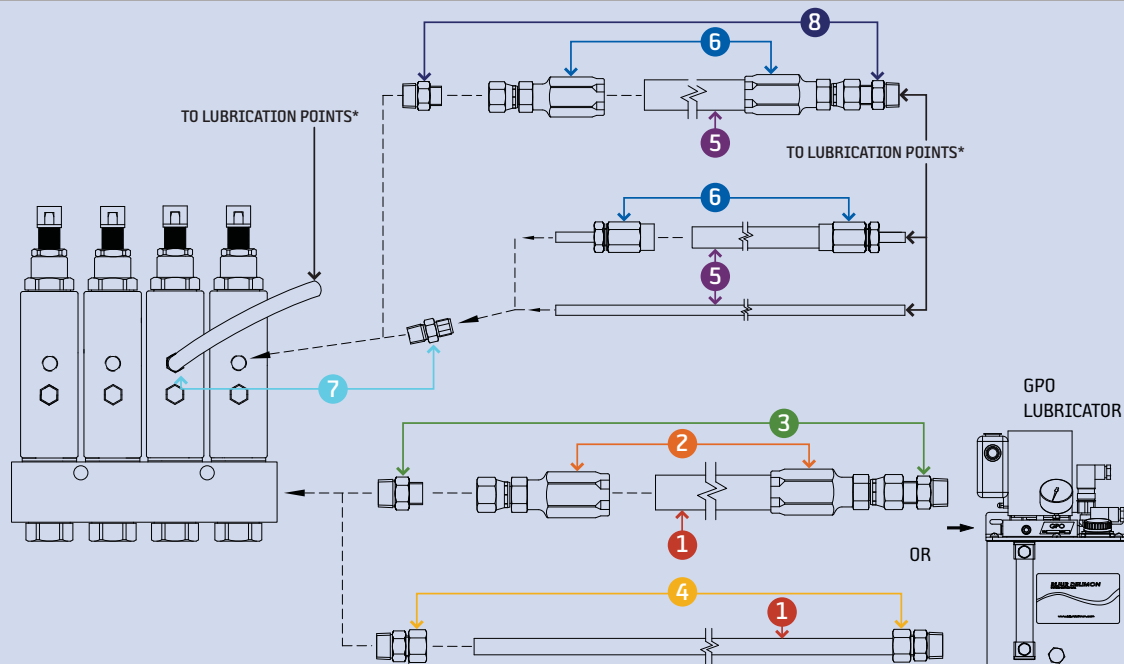
PDI FL-11 / FL-45 Typical Layout

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	
	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

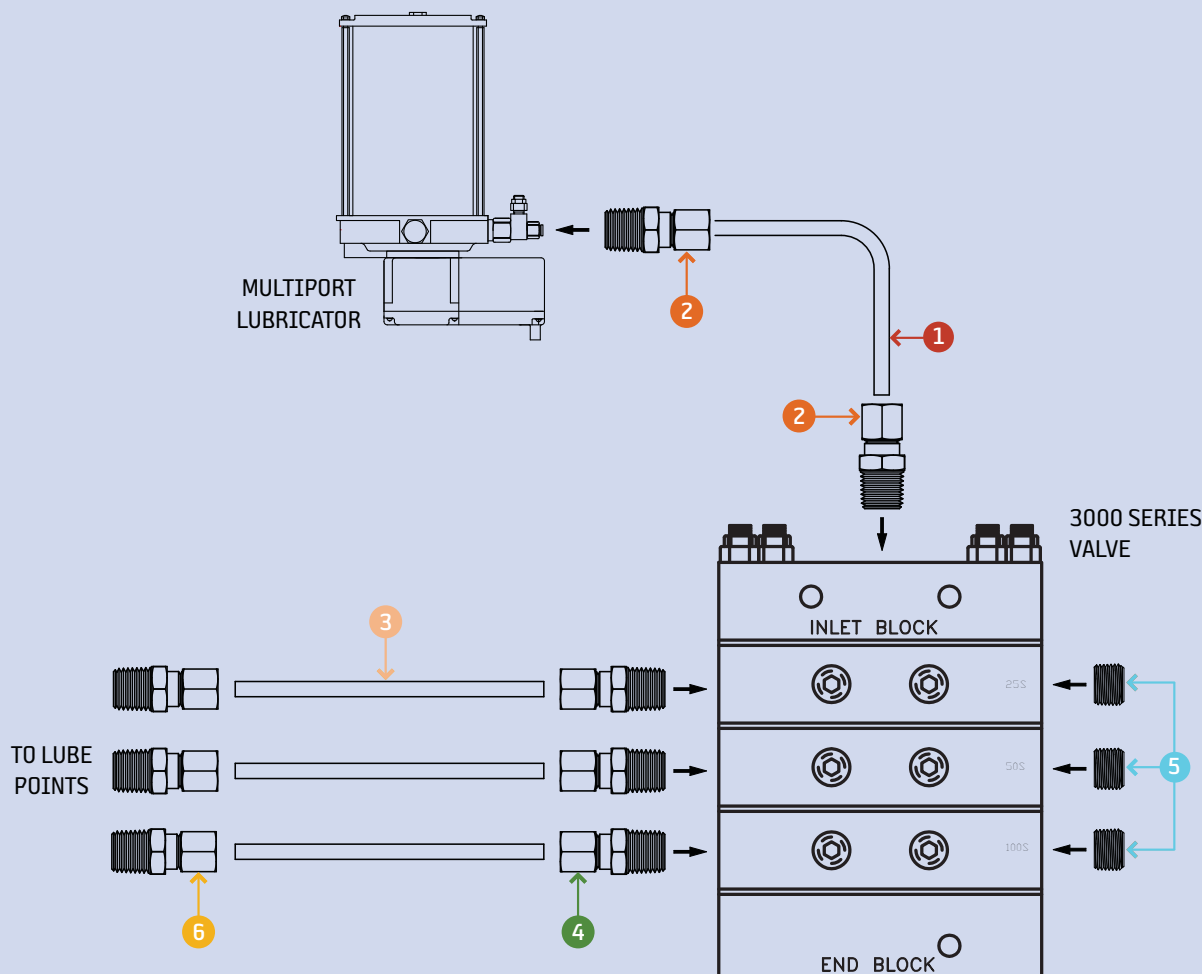
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1	Hose*	1/4" I.D. hose (SAE 100R2) 5800 psi wp	Page 26
			3/8" I.D. hose (SAE 100R2) 4750 psi wp	
	2	Tubing*	1/4" O.D. steel	Page 31
			3/8" O.D. steel tubing	
	3	Hose Ends	1/4" I.D. hose x female JIC swivel 7/16-20	Page 26
			3/8" I.D. hose 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	B10092-1 U83B3+U1104C
			3/8" O.D. tube x NPT, straight tubing adapter	U83D2 U83D3
	6	Hose	3/8" O.D. tube x NPT, 90° elbow tubing adapter	B10092-4 B10092-5
			5/32"(4mm) I.D. flexible hose	34962-25
			1/4" I.D. hose	HOS12125-50
			1/4" O.D. nylon tubing x .050 wall	70420-25
	7	Hose Ends	5/32" I.D.(4mm) hose coupling x 1/4" stand pipe	29117
			1/4" I.D. hose x female JIC swivel 7/16-20	85493
	8	Tubing Adapters	1/4" O.D. tube x 1/8" NPT, straight tubing adapter	U83B1
			1/4" O.D. tube x 1/8" NPT, 90° tubing adapter	U83B1+U1104AS
	9	Hose Adapters	JIC 7/16-20 x 1/8" NPT, straight adapter	U43124
			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 3000 Typical Layout

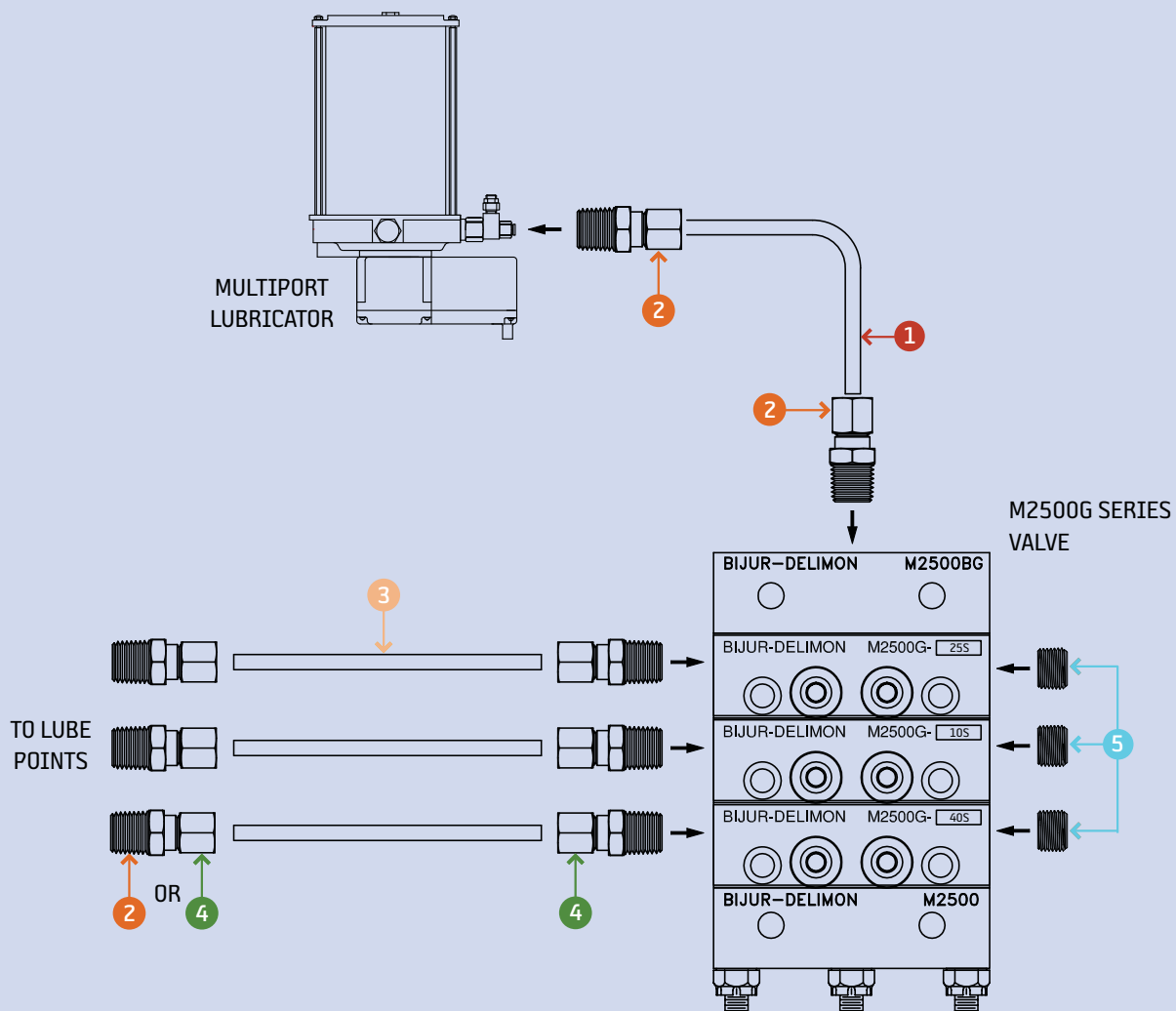
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1 Tubing Steel	3/8" O.D. Steel Tubing	U424E6	Page 31
		1/2" O.D. Steel Tubing	U424E8	
	2 Tubing Adapters	3/8" O.D. Tube X 3/8"NPT straight adapter	U83D3	Page 10-11
		1/2" O.D. Tube X 3/8"NPT straight adapter	U53EM3	
		3/8" O.D. Tube X 3/8"NPT 90 degree adapter	B10092-5	
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	B10092-1	
		3/8" O.D. Tube X 1/4"NPT 90 degree adapter	B10092-4	
	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	7962FBUS	



* 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

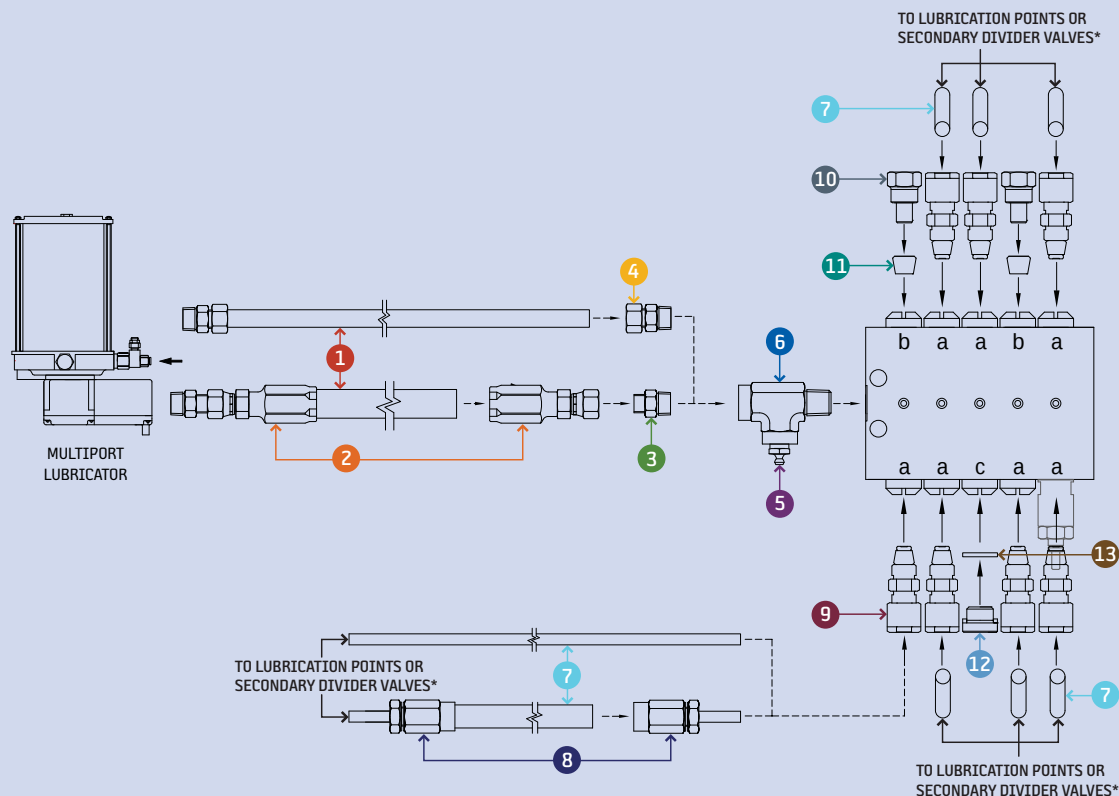
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY LINE	1	Tubing*	1/4" O.D. Steel Tubing U424E4	Page 31
		3/8" O.D. Steel Tubing U424E6		
	2	Tubing Adapters	1/4" O.D. Tube X 1/4"NPT straight adapter U83B2	Page 10-11
		3/8" O.D. Tube X 1/4"NPT straight adapter U83D2		
		1/4" O.D. Tube X 1/4"NPT 90 degree adapter B10092-1		
		3/8" O.D. Tube X 1/4"NPT 90 degree adapter B10092-4		
FEED LINE & LUBE POINT FTGS	3	Tubing	1/4" O.D. Steel Tubing U424E4	Page 31
		1/4" O.D. Nylon Tubing 70420-25		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 U83B1+U1104AS		
		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.

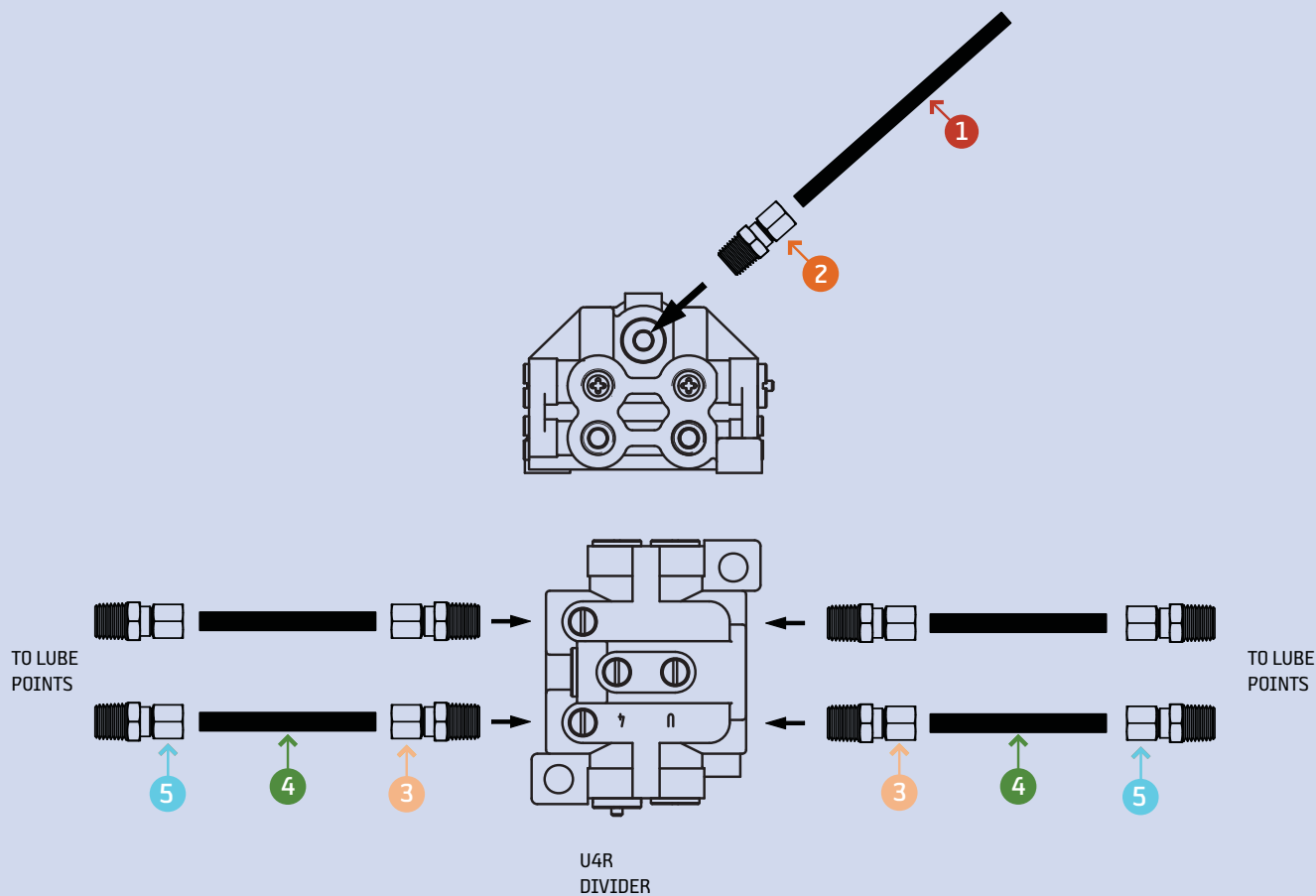
Progressive PVB/PVBM Typical Layout

	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
			1/4" I.D. hose x female JIC swivel 7/16-20	
FEED LINE & LUBE POINT FTGS	3	Hose Adapters	3/8" I.D. hose x female JIC swivel 9/16-18	Page 26
	4	Tubing Adapters	JIC SIZES	Page 27
			7/16-20	
			9/16-18	
	5	Manual Override Fitting	JIC x 1/4"NPT straight adapter	Page 28
			U43144	
			U43146	
	6	Tee	JIC x 1/4"NPT 90° elbow tubing adapter	Page 27
			35528-1	
			35528-2	
	7	Hose	JIC x 1/8"NPT straight tubing adapter	Page 27
			U43124	
			35575-1	
	8	Hose Ends	NPT SIZES	Page 10-11
			1/8NPT	
			1/4NPT	
	9	PVB Outlet Fittings	1/4" O.D. tube x NPT, straight tubing adapter	Page 10-11
			U83B1	
			U83B2	
	10	Outlet Plug "B"	1/4" O.D. tube x NPT, 90° elbow tubing adapter	Page 10-11
			U83B1+	
			U1104AS	
	11	Clamping Ring "B"	3/8" O.D. tube x NPT, straight tubing adapter	Page 10-11
			7962FBUS	
			U83D2	
	12	Outlet Plug "C"	1/8" NPT grease fitting, straight	Page 28
			F674	
			26978	
	13	Copper Seal "C"	5/32"(4mm) I.D. flexible hose	Page 23
			34962	
			70420-25	
	14	Tubing	1/4" O.D. nylon tubing x .050 wall	Page 30
			70420-25	
			29117	
	15	Hose Ends	5/32"(4mm) I.D. hose coupling x 1/4" stand pipe	Page 23
			29117	
			35166	
	16	PVB Outlet Fittings	1/4" O.D. TBG outlet fitting with check valve	Page 23
			35166	
			74161-1851	
	17	Outlet Plug "B"	Closure plug - "b" porting (singling)	Page 38
			74161-1851	
			23292	
	18	Clamping Ring "B"	Clamping ring - Required for "b" porting (singling)	Page 38
			23292	
			74161-5741	
	19	Outlet Plug "C"	Closure plug - "c" porting	Page 38
			74161-5741	
			72712-1094	
	20	Copper Seal "C"	Copper seal - Required for "c" porting	Page 38
			72712-1094	



Progressive U-BLOCK Typical Layout

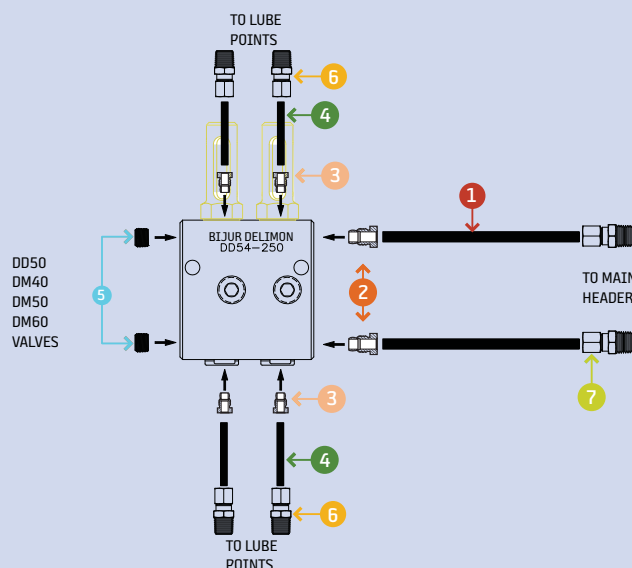
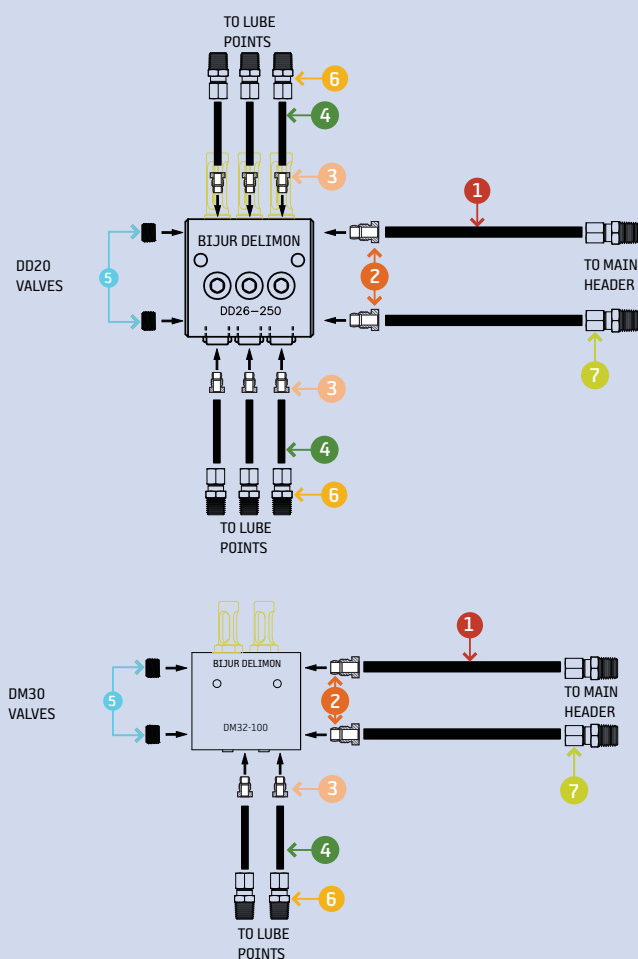
	NAME	DESCRIPTION	EXAMPLE PART #	DETAIL PART PAGES
SUPPLY	1 Tubing	1/4" O.D. Steel	U424E4	Page 31
	2 Tubing Connectors	1/4"BSPT x 1/4" Tube	20806	Page 10-11
FEED LINE	3 Tubing Connectors	1/8"BSPT X 1/4" Tube	15578	Page 10-11
	4 Tubing	1/4" O.D. Nylon	70420-25	Page 30
	5 Tubing Connectors	1/8"NPT X 1/4" 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	
	2	Tubing Connectors	One piece nut & sleeve 1/4" tube	U81B1	-	Page 18
			One piece nut & sleeve 3/8" tube	-	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	
	4	Tubing	3/16" O.D. tubing	U424C3-50	-	Page 31
			1/4" O.D. tubing	-	U424E4	
	5	Plugs	1/4"NPT	U119AC	-	Page 20
			3/8"NPT	-	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	
	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	7962FBUS	-	
			3/8" O.D. Tube X 1/4"NPT str adapter	U83D2	-	



This image shows a full page of blank, lined paper. It features approximately 20 horizontal grey lines spaced evenly apart, typical of notebook or composition paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings present.

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