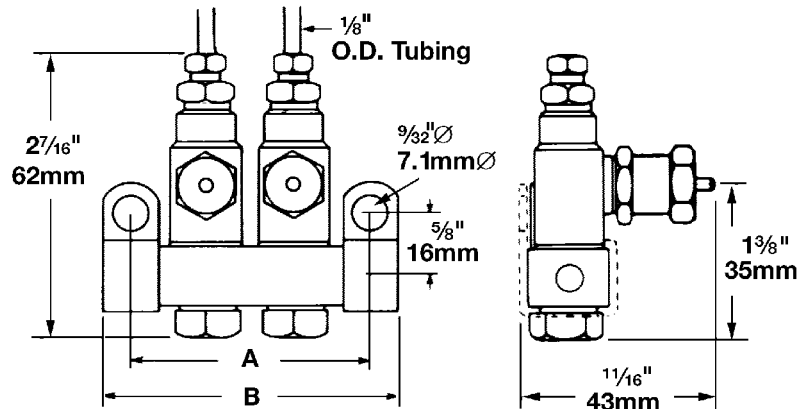


Series SL-33



- For single-line high pressure central lubrication system.
- For dispensing petroleum-based lubricants with a viscosity up to NLGI No. 2 (refer to Design Guide).
- Output is externally adjustable.
- Indicator stem permits visual check of injector operation.
- May be combined in a circuit of Injectors SL-32, SL-1 and/or SL-11.
- Individual injectors can be easily removed for inspection or replacement.
- Available in stainless steel SAE 304, for application where environmental conditions are hazardous to carbon steel or in industries preferring stainless steel.

Specifications:

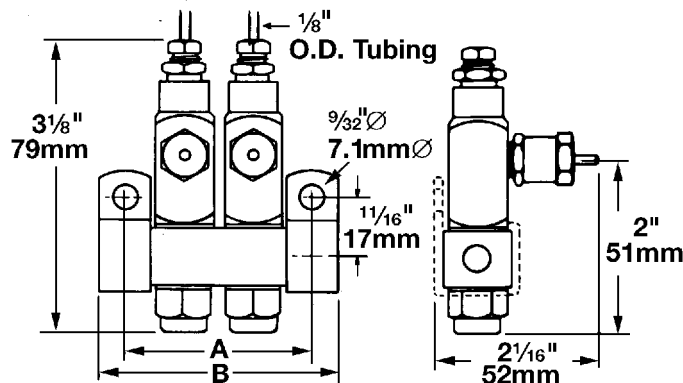
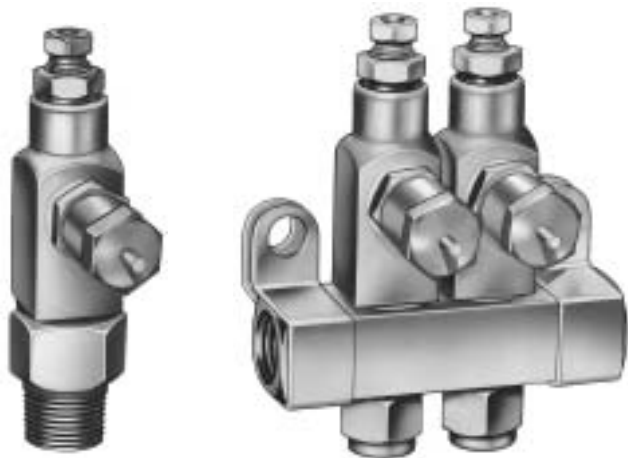
Series	Output		Operating Pressure			
	Min	Max	Min	Max	Typical	Vent
SL-33	.001 cu. in. .016 cc	.003 cu. in. .049 cc	1200 psig 83 bar	3500 psig 241 bar	1500 psig 103 bar	200 psig 14 bar

Model		Number of Outlets	Connections		Dimensions			
Carbon Steel	Stainless Steel (304)		Manifold Inlet	Injector Outlet	A		B	
				in.	mm	in.	mm	
83309-1	83715-1	1	1/8" NPTF (F)	1/8" O.D. Tube	1 1/8	29	1 1/8	41
83309-2	83715-2	2			1 7/8	48	2 3/8	60
83309-3	83715-3	3			2 1/8	67	3 1/8	79
83309-4	83715-4	4			3 1/8	86	3 7/8	98
83309-5	—	5			4 1/8	105	4 5/8	117
83309-6	83715-6	6			4 7/8	124	5 1/8	137
—	83715-7	7			5 1/8	143	6 1/8	156
83900	83900-9	1	1/8" NPTF (M)	Single Injector/No Manifold				
83314	83314-9	—	—	Single Replacement Injector				

Notes:

1. Injectors, except replacement injectors for manifold, include compression nut and ferrule for tubing — 1/8" O.D. as standard. Other outlet connectors for feed line optional.
2. Injectors with manifolds include two mounting clips and screws.
3. Injectors have Nitrile packings (200°F max. / 93°C). Check packing compatibility with synthetic lubricants.
4. Output with indicator cap hand tightened is .001 cu. in. Maximum output is achieved with two turns at .001 cu. in./turn.

Series SL-32



- For single-line high pressure central lubrication system.
- For dispensing petroleum-based lubricants with a viscosity up to NLGI No.2 (refer to Design Guide).
- Output is externally adjustable.
- Indicator stem permits visual check of injector operation.
- May be combined in a circuit of injectors SL-33, SL-1 and/or SL-11.
- Individual injectors can be easily removed for inspection or replacement.
- Available in stainless steel SAE 304, for application where environmental conditions are hazardous to carbon steel or in industries preferring stainless steel.

Specifications:

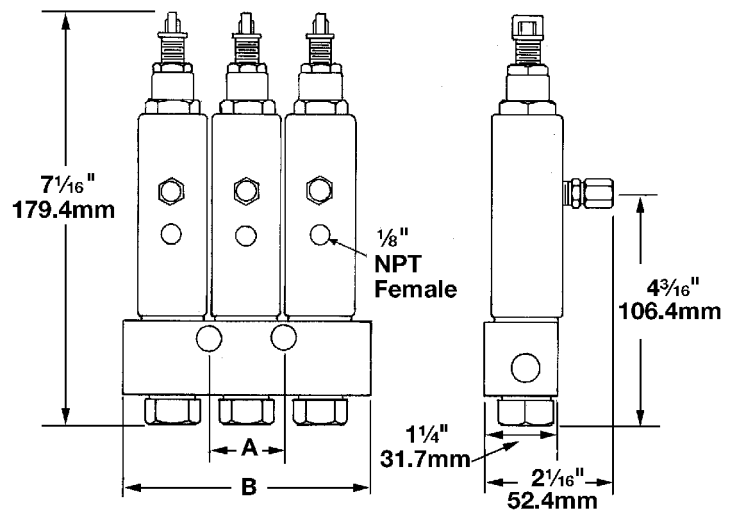
Series	Output		Operating Pressure			
	Min	Max	Min	Max	Typical	Vent
SL-32	.001 cu. in. .016 cc	.008 cu. in. .131 cc	1200 psig 83 bar	3500 psig 241 bar	1500 psig 103 bar	200 psig 14 bar

Model		Number of Outlets	Connections		Dimensions			
Carbon Steel	Stainless Steel (304)		Manifold Inlet	Injector Outlet	A		B	
				in.	mm	in.	mm	
83336-1	83724-1	1	1/4" NPTF (F)	1/8" O.D. Tube	1 1/4	32	1 1/4	44
83336-2	83724-2	2			2	51	2 1/2	63
83336-3	83724-3	3			2 3/4	70	3 1/4	83
83336-4	83724-4	4			3 1/2	89	4	102
83338	—	1	1/4" NPTF (M)	Single Injector/No Manifold				
83337	83337-9	—	—	Replacement for manifold injectors				

Notes:

1. Injectors, except replacement injectors for manifold, include compression nut and ferrule for tubing — 1/8" O.D. as standard. Other outlet connectors for feed line optional.
2. Injectors with manifolds include two mounting clips and screws.
3. Injectors have Nitrile packings (200°F max. / 93°C). Check packing compatibility with synthetic lubricants.
4. Output with indicator cap hand tightened is .001 cu. in. Maximum output is achieved with five turns at .0014 cu. in./turn.

Series SL-1



- For single-line high pressure central lubrication system.
- For dispensing lubricants compatible up to NLGI No. 2 (refer to Design Guide).
- Output is externally adjustable.
- Indicator stem permits visual check of injector operation.
- May be combined in a circuit of injectors SL-32, SL-33 and/or SL-11.
- Individual injectors can be easily removed for inspection or replacement.
- Available in stainless steel SAE 316, for application where environmental conditions are hazardous to carbon steel or in industries preferring stainless steel.

Specifications:

Series	Output		Operating Pressure				Connections	
	Min	Max	Min	Max	Typical	Vent	Manifold Inlet	Injector Outlet
SL-1	.008 cu. in. .131 cc	.080 cu. in. 1.31 cc	1850 psig 127 bar	3500 psig 241 bar	2500 psig 172 bar	600 psig 41 bar	3/8" NPTF (F)	1/8" NPTF (F)

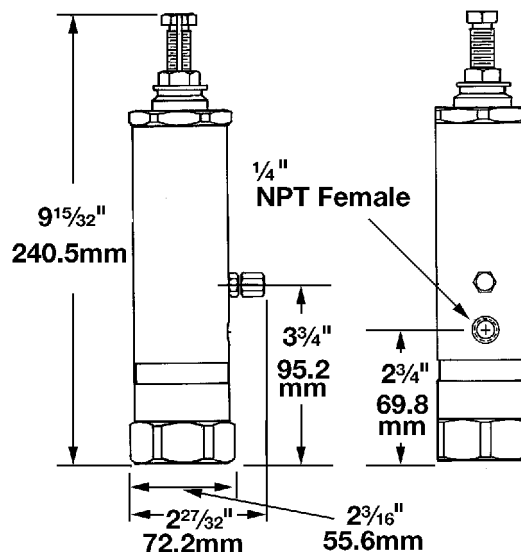
Model		Number of Outlets	Dimensions			
Carbon Steel	Stainless Steel (316)		A		B	
			in	mm	in	mm
81770-1	239351* One Injector Manifold	1	Single Mounting		2 1/2	63
81770-2	239352* Two Injector Manifold		Hole		3	76
81770-3	239353* Three Injector Manifold	3	1 1/4	32	4 1/4	108
81770-4	239354* Four Injector Manifold	4	2 1/2	63	5 1/2	140
81770-5	239355* Five Injector Manifold	5	3 3/4	95	6 3/4	171
81770-6	—	6	5	23	8"	203
81713	246965* Six Injector Manifold	Single injector/No Manifold, [3/8" NPTF (M) inlet]				
81713A	84776* Injector	Replacement for manifolded injectors				

* For complete assembly, you must order stainless steel manifold and corresponding quantity of Model #84776 Injectors separately.

Notes:

1. Injector manifolds have 1 3/8" (10.3 mm) dia. mounting holes for 3/8" bolt.
2. Injectors have Viton packings. Check compatibility with synthetic lubricants.
3. Injector rated for 350°F (176°C) max. ambient temperature, depending on lubricant used.
4. Injectors include fitting for filling feedlines via alternate outlet port.
5. Output with adjustment screw hand tightened is .009 cu. in. Maximum output is achieved with eight turns at .009 cu. in./turn.

Series SL-11



- For single-line high pressure central lubrication system.
- For dispensing lubricants compatible with Viton and Hytrel packings and viscosity up to NLGI No. 2 (refer to Design Guide).
- Output is externally adjustable.
- Indicator stem permits visual check of injector operation.
- May be combined in a circuit of injectors SL-32, SL-33 and/or SL-1.
- Available only as single unit with 1/2" NPTF Female inlet.

Specifications:

Series	Output		Operating Pressure			
	Min	Max	Min	Max	Typical	Vent
SL-11	.050 cu. in. .82 cc	.500 cu. in. 8.2 cc	1000 psig 69 bar	3500 psig 241 bar	2500 psig 172 bar	800 psig 55 bar

Model	Number of Outlets	Connections	
		Inlet	Outlet
Carbon Steel			
85497	1	1/2" NPTF (F)	1/4" NPTF (F)

Notes:

1. Injectors have Viton and Hytrel packings. Check packing compatibility with synthetic lubricants.
2. Injector rated for 200°F (93°C) max. ambient temperature.
3. Injectors supplied with fitting for filling feed line via alternate outlet port.
4. Output with adjustment screw hand tightened is .05 cu. in. Maximum output is achieved with 11 1/2 turns at .040 cu. in./turn.