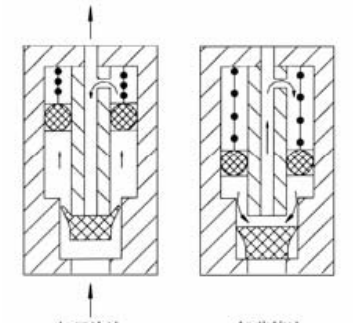
Injector

Single Injectors

The single-DLX series injectors are pressurized type positive displacement injectors. They inject oil when the system is pressurized, and are filled with oil when system pressure is relieved. The single-DLX series are adapted for volumetric periodic lubrication systems and can send fixed predetermined amounts of lubricant to lube points. They are suitable for periodic lubrication systems of 1.75-3.5MPa working pressure and have high distribution precision.

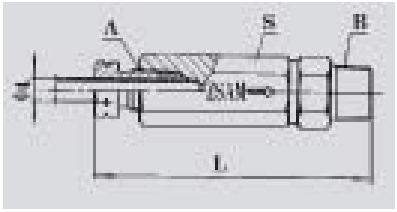
Principle schematics

As system pressure builds, oil is forced into. The disc moves forward to hollow the piston rod and close the opening. The increasing pressure collapses the disc and forces oil into the inlet chamber, around the disc seal. Disc and piston assembly compresses and the advancing piston displaces oil in the outlet chamber to the lube point. Piston assembly continues to travel towards the outlet until the piston reaches the shoulder of the outlet chamber.



Pressurized discharge Pressurized deposited

Technical data and Order

Sketch	P.N.	L	S	Discharge (ml/cyc)	A	B
	34000-XT	52	12	0.025 0.06 0.10	M10×1	R1/8
	35000-XT	62	12	0.2 0.3 0.4 0.5		

X: indicates flow rate code

T: indicates a complete assembly, i.e. including adaptors and compression sleeves.

Please indicate reference and discharge when ordering.

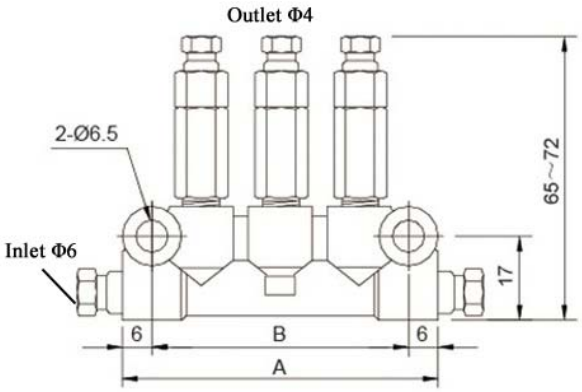
Discharge (ml/cyc)	025	06	10	20	30	40	50
Method of indication	0.025	0.06	0.1	0.2	0.3	0.4	0.5

For instance:

34000-20------34000 is product P.N., 20 is discharge indicating 0.2ml/injection;

34000-20T----Indicating 34000-20 with adaptors and compression sleeve.

DLX Single Injectors



Model	P.N.	Number of outlets	Discharge (ml/cyc)	A	B
DLX	36000-XX	2	0.025/0.06/0.1/0.2/0.3/0.4/0.5	48	34-36
	36000-XXX	3		64	49-52
	36000-XXXX	4		80	65-68
	36000-XXXXX	5		96	79-84
	36000-XXXXXX	6		112	95-100
	36000-XXXXXXX	7		128	109-116
	36000-XXXXXXXX	8		144	123-132
	36000-XXXXXXXXXX	10		176	153-164

X: indicates flow rate code

T: indicates a complete assembly, i.e. including adaptors and compression sleeves.

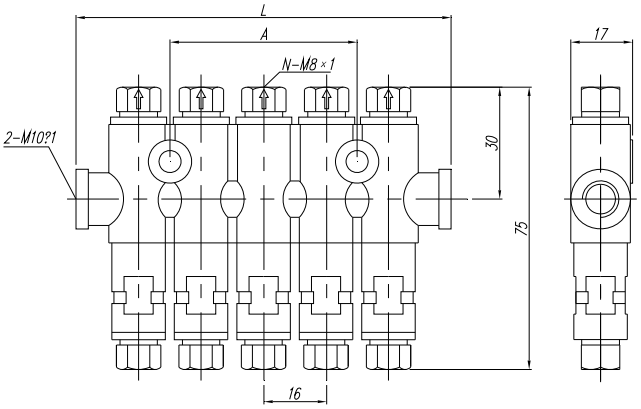
Please indicate reference and discharge when ordering.

Discharge (ml/cyc)	025	06	10	20	30	40	50
Method of indication	0.025	0.06	0.1	0.2	0.3	0.4	0.5

If product P.N. is 36000T-XXX etc., T indicates that adaptor, compression sleeve and bushing shall be provided at inlets and outlets.

DLX Manifold Injectors

The DLX series injectors are positive displacement injectors (PDI). These injectors are filled when the system is pressurized, and inject when the system pressure is relieved. This product is suitable for volumetric periodic lubrication systems with a working pressure of 1.75-2.5Mpa. These injectors deliver a fixed, predetermined quantity of lubricant to each lubrication point. The DLX series is available with 2, 3, 4 and 5 outlets. Discharge of each outlet can be freely selected within a specified range. An unused outlet may be blocked with a special plug. This product is widely used in lubrication systems for printing, plastics, packing and machine tools etc.



Model	P.N.	Number of outlets	Discharge (ml/cyc)
DLX	33000-XX	2	0.03/0.06/0.1/0.2/0.3/0.4/0.5
	33000-XXX	3	
	33000-XXXX	4	
	33000-XXXXX	5	
If product P.N. is 33000T-XXX etc., T indicates that adaptor, compression sleeve and bushing shall be provided at inlets and outlets.			

Discharge size code	A	B	C	D	E	F	G	0
Product printing mark	03	06	10	20	30	40	50	0
Discharge (ml/cyc)	0.03	0.06	0.1	0.2	0.3	0.4	0.5	0(Block)

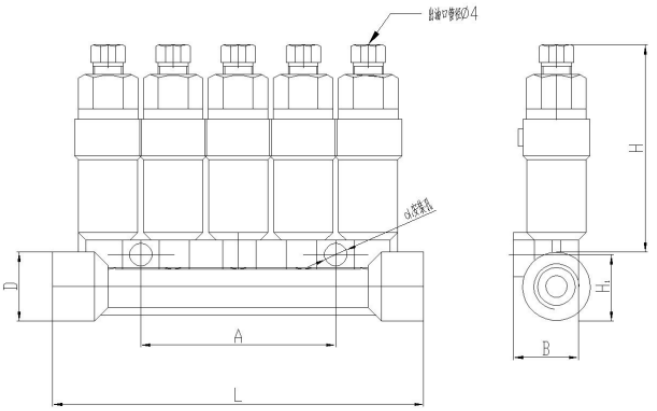
For instance:

33000T-20/30/40/50------33000 is product P.N., 20/30/40/50 is discharge indicating 0.2ml and 0.3ml and 0.4ml and 0.5ml from left to right.

T- adaptors and compression sleeve

EJM Manifold Injectors

The DLX series injectors are positive displacement injectors (PDI)。These injectors are inject when the system is pressurized, and filled when the system pressure is relieved.This product is suitable for volumetric periodic lubrication systems with a working pressure of 1.75-2.5Mpa. These injectors deliver a fixed, predetermined quantity of lubricant to each lubrication point. The EJM series is available with 1, 3 and 5 outlets,Discharge of each outlet can be freely selected within a specified range. An unused outlet may be blocked with a special plug. This product is widely used in lubrication systems for printing, plastics, packing and machine tools etc.

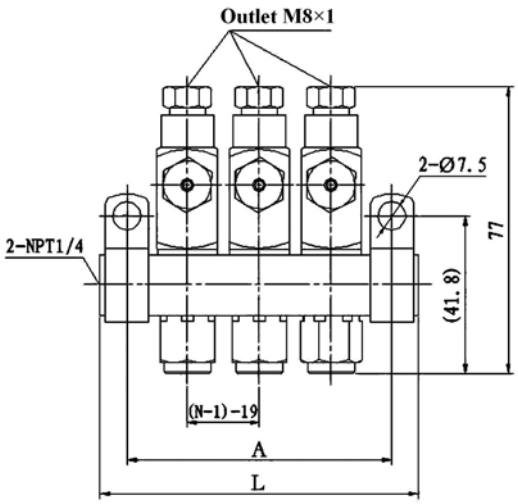


Model	P.N.	Discharge (ml/cyc)	Viscosity	Remark
EJM-01	33101	0.025~0.4(ml/cyc)	N30~ N320	Each oil port fuel injection can be arbitrarily selected within the specified range
EJM-03	33102			
EJM-05	33103			

Discharge(ml/cyc)	0.06	0	0.10	0.20	0.30	0.40	Remark
Product printing mark	6	0(oil plug)	1	2	3	4	

BL Series Adjustable Injectors

Single and manifold injectors are adjustable up to .003 cubic inches discharge per cycle.Each manifold includes two mounting clips and screws



Technical Data

Model	P.N.	Number outlets	Work pressure	Viscosity	Discharge	A	L
		N	MPa	mm^2/s	mL/CY	mm	mm
BL	33061	1	5.6 ~6.9	32-320	0.016 ~0.049	29	41
	33062	2				48	60
	33063	3				67	79
	33064	4				86	98
	33065	5				105	117

Adjustment

Injector output is controlled by the position of the indicator cap. The location of the cap determines the travel of the discharge piston. When the indicator is fully tightened onto the measuring chamber,lubricant output is decreased to a minimum. Retracting the indicator cap two full turns permits a maximum of .003 cu. in. to be discharged. Turning the indicator cap beyond two full turns will not increase lubricant output. When the individual injector has been adjusted to the desired output,tighten locknut against face of the indicator cap.

Check discharge output from injector if cap is adjusted to less than 1/2 turn from minimum.

Use a clean oil type and viscosity as recommended by machine manufacturer. Check compatibility with synthetic lubricants.

SL Series Injectors (P.N. 33081)

- Viton O-rings standard to protect against high heat & synthetic lubricants
- All injectors are shipped with vinyl cover caps standard
- Operating pressures to 1,000 psi
- Adjustable oil output
- Visual operating indicator pin
- Includes feed line fill fitting

SL Series Specifications

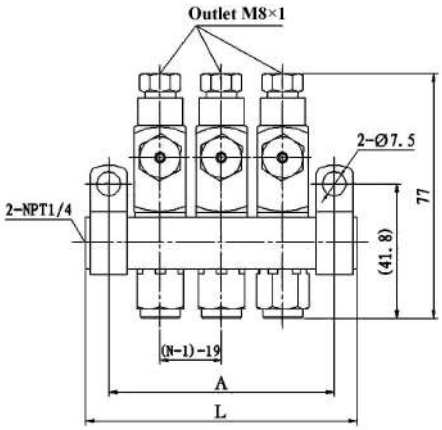
Operating Pressure :Max 1000 psi (69 BAR) ; Minimum 750 psi (52 BAR)
Lube Output: - Adjustable .050 cu. in. (.82 cc) - .500 cu. in. (8.2 cc)
Vent/Relief Pressure:150 psi (10 BAR) or less
Lubricants Oil - semi fluid grease
Seals Viton o-rings (70 durometer) & hytrel packings
Max Temperature: 200℉ (93℃)
Material :Steel with zinc and yellow chromate plating
Pipe Connections :Injector inlet - 1/2” NPT ;Injector outlet - 1/4” NPT

BL Series Grease Adjustable Injectors

Single and manifold injectors are adjustable up to 0.003 cubic inches discharge per cycle.Each manifold includes two mounting clips and screws (1/4“–20 thread x 1/2” long hex head).

Adjustment

Injector output is controlled by the position of the indicator cap. The location of the cap determines the travel of the discharge piston. When the indicator is fully tightened onto the measuring chamber,lubricant output is decreased to a minimum. Retracting the indicator cap two full turns permits a maximum of .003 cu. in. to be discharged. Turning the indicator cap beyond two full turns will not increase lubricant output. When the individual injector has been adjusted to the desired output,tighten locknut against face of the indicator cap.
Check discharge output from injector if cap is adjusted to less than 1/2 turn from minimum.
Use a clean oil type and viscosity as recommended by machine manufacturer. Check compatibility with synthetic lubricants.



Technical Data

Model	P.N.	Number outlets	Work pressure	Viscosity	Discharge	A	L
		N	MPa	mm^2/s	mL/CY	mm	mm
BL	33071	1	8.3~24.1	000#~2#	0.016 ~0.131	32	44
	33072	2				51	63
	33073	3				70	82
	33074	4				89	101