SVM 44 SINGLE LINEINJECTORS

Luberr SVM 44 series of low pressure injectors have been designed for single line, parallel type automatic oil lubrication systems. The injector output can be adjusted to confirm the required quantity of the individual lubrication points.

An indicator pin at the top helps to visually monitor the operation of the systems.

Optional injectors outlet is available if necessary or needed to combine the output of more than one injector into a single point of lubrication.

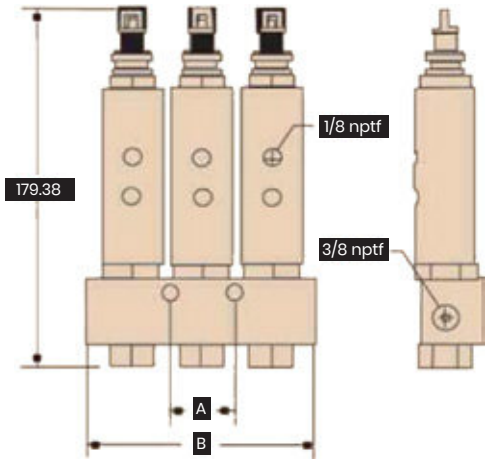
SVM - 44 injectors can be used in the system along with SVM - 42 and SVM - 43.

Salient Features:

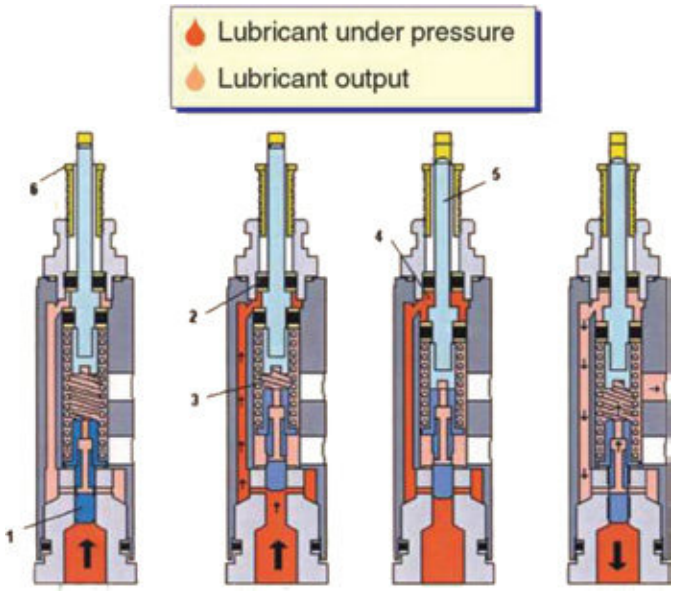
- External adjustment of volume.
- Visual indicator pin, available.
- Optimal injector outlet adaptor , available.
- Capable of injecting high volume of lubricant.

SVM - 44 Ordering information

Model#	Description	Dim. "A" mm	Dim. "B" mm	Lubricant inlet
SVM 441	1 Way	One Hole	63.5	3/8 " NPTF
SVM 442	2 Way	One Hole	76.2	3/8 " NPTF
SVM 443	3 Way	31.7	108	3/8 " NPTF
SVM 444	4Way	63.5	139.7	3/8 " NPTF
SVM 445	5 Way	95.1	171.0	3/2 " NPTF
SVM 44U	Unit Assly.	NA	NA	NA



RIKKON GROUP OF COMPANIES



Technical Specifications

Description	Specification
Output lubricant volume per cycle Minimum Maximum	Adjustable 0.008 cu.in. (0.13cc) 0.08 cu.in (1.31 cc)
Operating Pressure Minimum Maximum	750 PSI (51 Bar) 1000 PSI (68 Bar)
Recommended Operating Pressure	850 PSI (58 Bar)
Reset Pressure	150 PSI (10 Bar)
Recommended Fluids	Oil
Outlet Port Size	1/8 " NPT Female
Inlet Port Size	3/8 " NPT Female
No. of Outlets	upto 5 outlets

Part Details:

1. Plunger 2. Indicator seal 3. Discharge chamber
4. Measuring chamber 5. Piston with indicator
6. Adjuster

Operating Principle :

Stage 1 : With the entry of the pressurised lubricant, the injector in the discharge chamber opens up the plunger, compressing the spring.

Stage 2 : With the pressurised lubricant pushing the plunger upward, a path is now made for the lubricant to flow into the measuring chamber.

Stage 3 : At the end of its stroke, the piston pushes the plunger down and the path to measuring chamber is closed. The plunger and the piston remain in this position as long as the inlet lubricant is under pressure.

Stage 4 : As the inlet lubricant pressure is relieved , the plunger moves down and the spring expands, opening a port between the lubricant path and the discharge chamber.

When the spring continues to expand , the pistion is pushed upwards which allows the lubricant to flow out of the measuring chamber , through the plunger , into the discharge chamber.

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