

Product description Valve & dividers : Volumetric injector FL 42, 43 Oil

DESCRIPTION

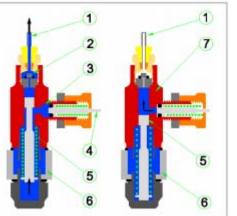
FL 42-43 type injectors are perfectly adapted to lubricate all types of machines with a cyclic sequence. Discharge of each injector is adjustable yet delivers a precise amount of lubricant. A visual indicator pin built into each injector makes it easy to confirm a discharge at any lubrication point.

OPERATION

Pressure stage: Pressure from the supply lines moves the injector piston forward. This forces a pre mesured amount of lubricant (delivered during the vent stage) out of the discharge chamber outlet. At the same time, lubricant is transferred into the measuring chamber, the indicator stem extends as this chamber fills.

Vent stage: System pressure is vented. The piston retracts to its original position. This movement allows lubricant stored in the measuring chamber to empty into the discharge chamber; the indicator stem retracts.

System outline:



- 1. Lubricant outlet
- 2. Dosing piston
- 3. Pilot piston
 - Lubricant inlet
- 5. Idle position
- 6. Discharge cycle
- 7. Release cycle



CHARACTERISTICS

Discharge:	from 0.016 to 0.131cm ³ / cycle FL43				
	0.016 to 0.049 cm ³ / cycle FL42				
Number of	outlets: 1 to 15				
Working pro	essure: 50 bar mini				
	68 bar maxi				
Maximum vent recharge pressure: 10 bar					
Working temperature: 5 to 175° C					
Lubricant to be used: mineral oil viscosity					
	from 30 to 500 Cst.				
	Other lubricants, contact Bijur.				
Materials:	galvanised carbon steel and viton seals				

HOW TO ORDER

Specify part number in using table below:

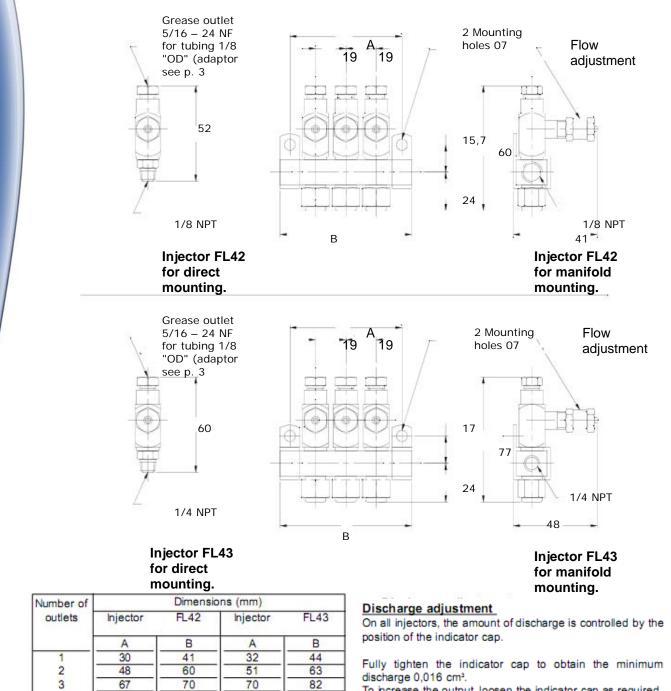
Reference	Number of		
Type FL 42	Type 43	outlets	
27165	27166	1*	
271651	271661	1	
271652	271662	2	
271653	271663	3	
271654	271664	4	
271655		5	
271656		6	
271610		10	
271615		15	
27165R	27166R	#	

* Single direct mount FL 42 1 / 4 NPT FL 43 1 / 8 NPT

Manifold replacement injector



DRAWING: INJECTOR FL42-43 OIL



To increase the output, loosen the indicator cap as required.

FL 42: 2 turns for the maximum (0.049 cc)

FL 43: 5 turns for the maximum (0.131 cc)

4

5

6

10

15

87

105

124

200

292

98

117

137

213

310

89

-

-

.

-

102

-

-

-

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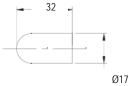
ACCESSORIES FOR: INJECTOR FL42-43 OIL

Injector cover caps Part N° 27335

Plug

Can be used to close surplus tapped holes (see table below).

Cover caps in plastic are used in environments where excessive moisture, dirt and other contaminants exist. They are intended to protect the indicator pin to avoid lubricant bakages.





В

Dimens	Reference		
Α	В	С	
5/16-24NF	13	8	27336
1/8NPT	18	9,5	HP604
1/4NPT	6,4	4,8	HP622

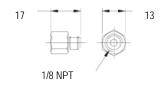
Lock nut Part N° 27347

Nut can be used to replace adjustment screw to optain a fixed discharge.



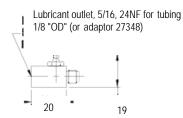
Adapter Part N° 27348

Can be mounted on discharge port.



Connector for manual greasing Part N° 27344

Simply a zerk fitting mounted onto a junction. It can be used to fill secondary lines before the first start-up.





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Für reibungslose Bewegung For smooth motion