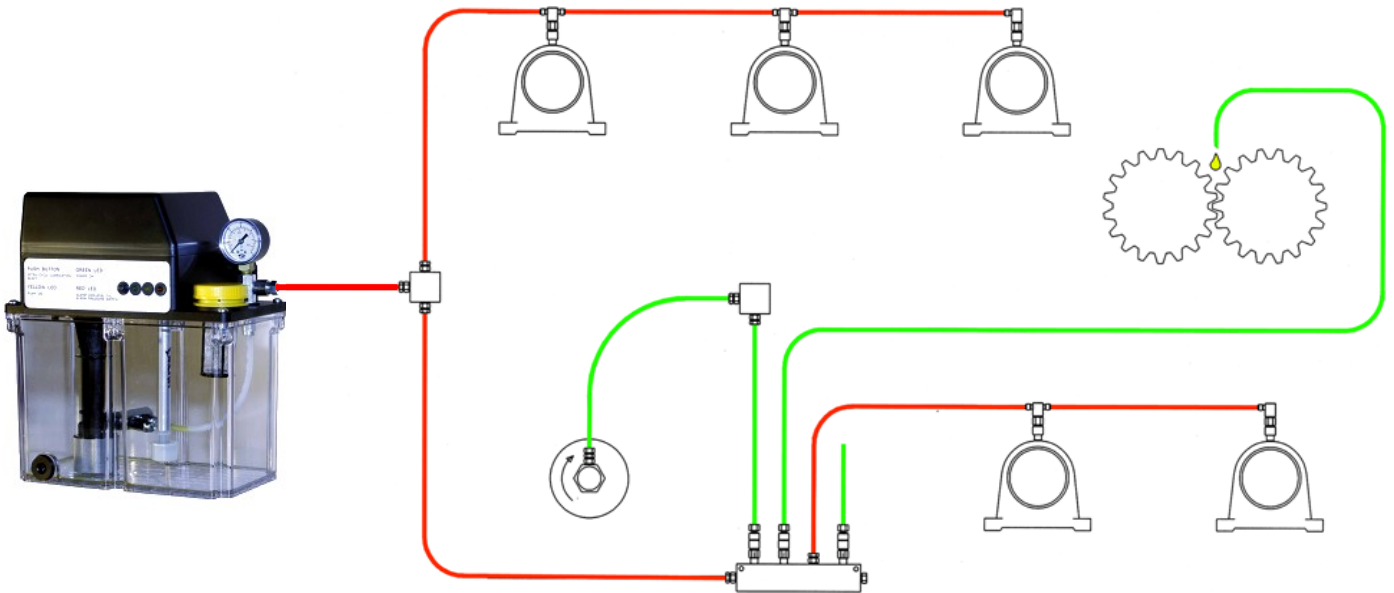


SINGLE  
LINE  
POSITIVE  
DISPLACEMENT  
SYSTEM  
FOR  
OIL

SERIES  
**06**

**Product Features :**

- Compact design. 1/8"-1/8" BSP injector cartridge allows many configurations.
- High Reliability. The Injectors are fully assembled, tested and certified on a robotic system.
- Manifolds allow compatibility with other systems.



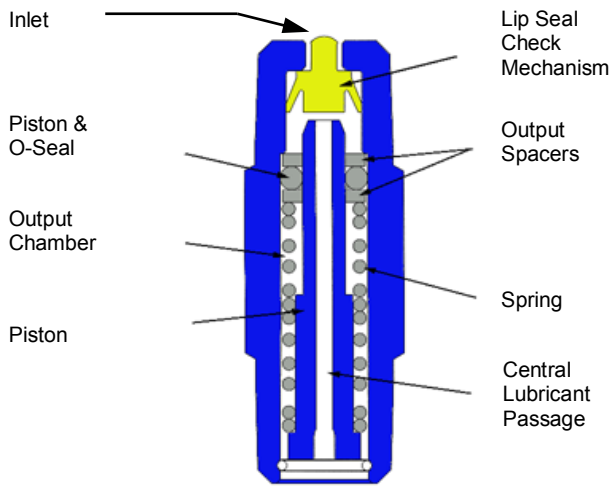
**Operating Characteristics:**

		Delivery		
		0.03 – 0.16	0.20 – 0.50	0.75 – 1.00
Minimum pressure bar (psi)		12 (175)	12 (175)	12 (175)
Maximum pressure bar (psi)		50 (725)	50 (725)	50 (725)
Maximum pressure of release bar (psi) **		4 (58)	2.5 (36)	2.5 (36)
Lubricant	Oil	32-2000 cSt	32-2000 cSt	32-2000 cSt
	Grease	NLGI 0		
Minimum time of release (seconds) *	32-250 cSt	10	10	10
	260-1000 cSt	200	200	200
	NLGI 0	200		

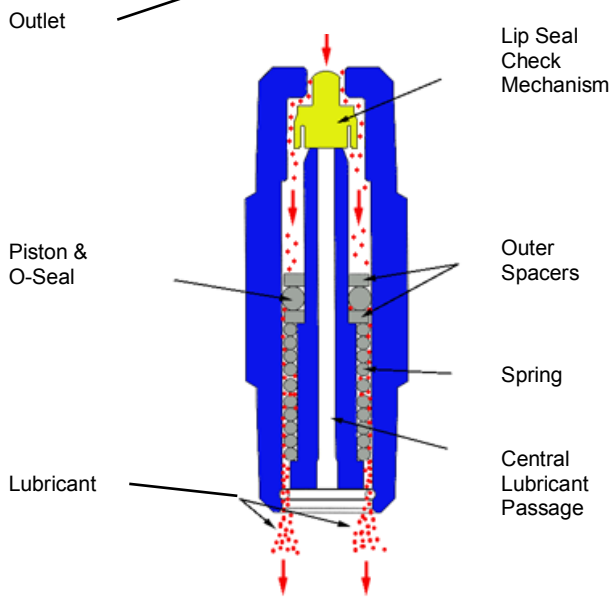
\* Minimum time of release depending on the specifics of the systems.

\*\* Point delivery.

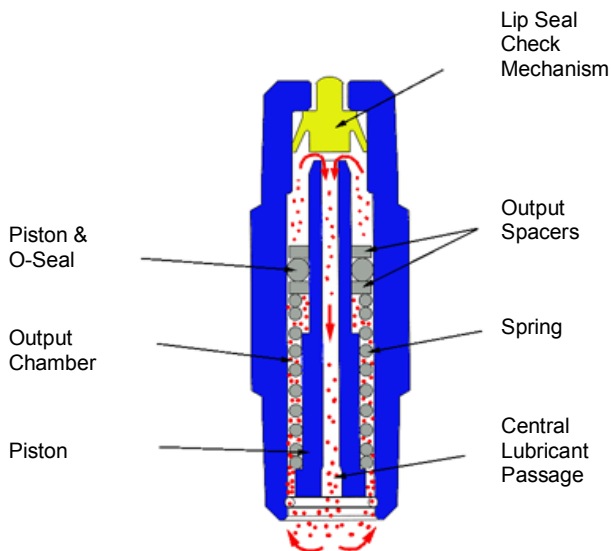
**Introduction – Operating Principle**



The system is pressurized and oil flows into the Inlet side of the injector. The Lip seal check mechanism allows oil to flow past blocking off the Central Lubricant Passage.



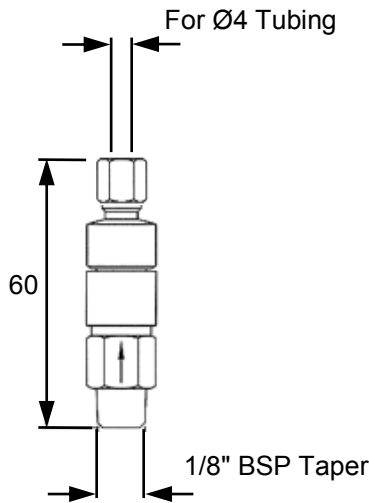
Lubricant enters the upper chamber of the injector which causes the Piston & O-Seal to move downwards pushing the oil accumulated in the Output chamber (from the previous cycle) towards the lubrication point.



The final stage occurs when Pressure is released from the Inlet resetting the injector. During this phase the Spring pushes the piston & O-Seal back upwards, together with the check mechanism that permits the lubricant to flow across the Central Lubricant Passage and back into the Output Chamber, ready for the next lubrication cycle.

- Junction Type Injectors**
- with Compression Connections
  - for use with Rigid and Nylon Tubing

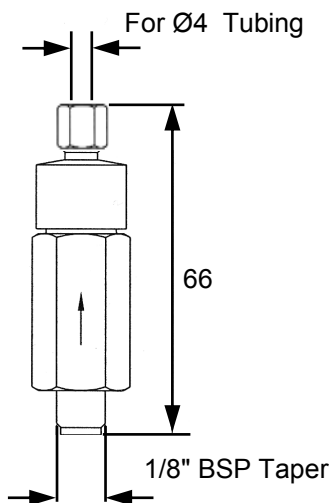
**Outputs: 0.03 to 0.50 cc/cycle**



Output per Cycle (cc)	Part Number	Hex A/F (mm)
0.03 0.06 0.10 0.16	06-5003 06-5006 06-5010 06-5016	10
0.20 0.30 0.50	06-5020 06-5030 06-5050	12

Assemblies are supplied complete with Tube Nut and Cone

**Outputs: 0.70 to 1.00 cc/cycle**



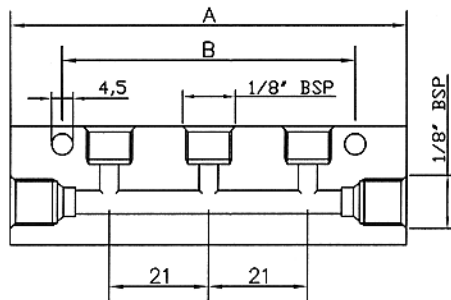
Output per Cycle (cc)	Part Number	Hex A/F (mm)
0.70 1.00	06-5075 06-5100	17

Assemblies are supplied complete with Tube Nut and Cone

**For Bearing Type Injectors add "/B" to the above part numbers.**

**JUNCTIONS: Single Row Type M  
For Injectors**

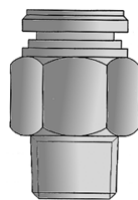
(Use fixing screws part No. 06-0425)



Outlet Ports	Part Number	Dimensions		Bar Profile
		A	B	
1	06-6265	40	20	
2	06-6266	61	41	
3	06-6267	82	62	
4	06-6268	103	83	
5	06-6269	124	104	
6	06-6274	145	125	
7	06-6276	166	146	
8	06-6239	187	167	

**HIGH PRESSURE PUSH-IN FITTINGS FOR OIL AND GREASE**

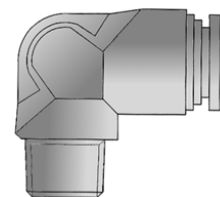
Material: Brass  
 Working pressure: 0 – 150 bar (0 – 2175 psi)  
 Working temperature: -10°C - +80°C



**Straight**

Part No.	Ø Tube	Thread	Hex
06-4577	4	1/8" BSP	10
06-4579	4	M6 x 1	10
06-4578	6	1/8" BSP	13
06-4609	6	1/4" BSP	14

Part No.	Ø Tube	Thread	Hex
06-4580	4	1/8" BSP	9
06-4581	6	1/8" BSP	11



**90° Elbow**

**COMPRESSION FITTINGS  
FOR MAIN LINE**



Cone (Ø6mm)	Tube Nut (Ø6mm)	Hex. Blanking Plug
06-3006	06-2052	06-1002



Designed to meet a wide range of operating requirements and available with a 115 or 230V AC motor.

All modules are equipped with a low level switch, built in pressure switch and pressure gauge.

The integrated electronic control card monitors the system and can signal low oil level in the reservoir and failure to reach operating pressure in the system, indicating a broken main line.

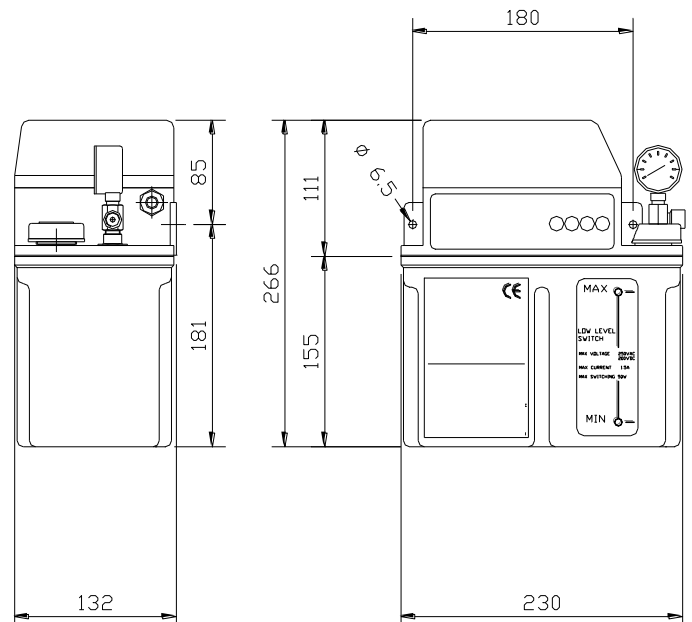
The module has a pump delay time of between 2½ minutes and 21 hours and a run time of between 5 and 90 seconds. There is an option to provide an instant pressure cycle “pre-lube” on machine start-up or reset.

Pressing the manual override button will end the pause period and restart the pump. It will also re-set the system after a fault, (low oil level or failure to reach pressure).

Pump run and delay times on “without control” modules are programmed from the machine’s PLC.

When selecting the 2½ minute pump delay option the pump run time must be limited to 45 seconds and to 60 seconds if selecting the 5 minute option.

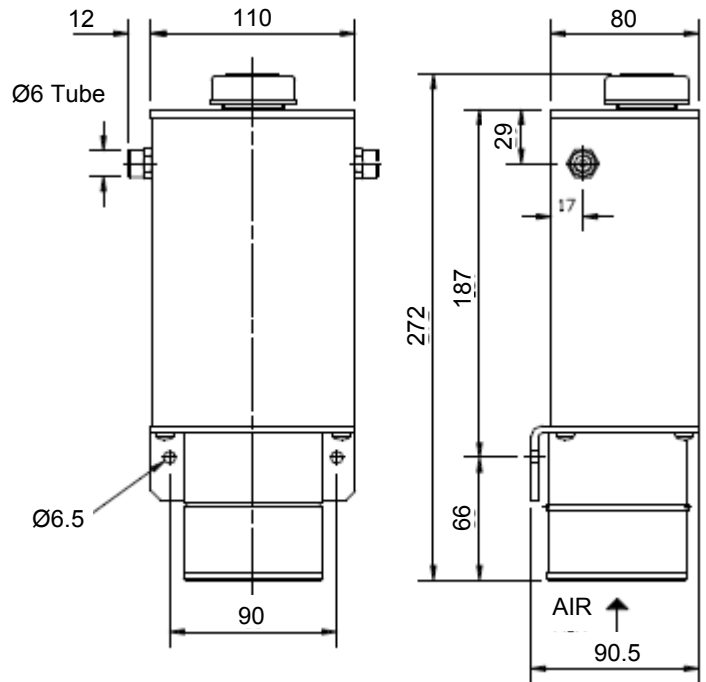
FEATURES	
<b>MOTOR</b>	115V AC 50/60Hz 1pH 230V AC 50/60Hz 1pH
<b>POWER RATING</b>	110 W
<b>CURRENT</b>	0.75 A (230 V) 1.5 A (115 V)
<b>PROTECTION</b>	IP-33 CLASS B
<b>OUTPUT</b>	100cc per minute
<b>WORKING PRESSURE</b>	24 Bar Max. (Pressure Switch Set at 22 Bar)
<b>RESERVOIR</b>	3.6 Litre Transparent
<b>OIL VISCOSITY</b>	50-1000 cSt
<b>SUCTION STRAINER</b>	250 Micron
<b>LOW LEVEL SWITCH</b>	10 watt at 115/230V AC
<b>PRESSURE GAUGE</b>	0 to 60 Bar
<b>PUMP DELAY TIME</b>	From 2½ Minutes to 21 hours
<b>PUMP RUN TIME</b>	5 TO 90 Seconds
<b>LUBRICANT OUTLET</b>	For Ø6mm Tubing
<b>PUSH BUTTON</b>	Manual Override/Re-set System
<b>GREEN LAMP</b>	Power On
<b>YELLOW LAMP</b>	Pump Operating
<b>RED LAMP</b>	Flashing = Low Oil Level Continuous = Low Oil Pressure
<b>OPERATING TEMP.</b>	-10°C TO +50°C



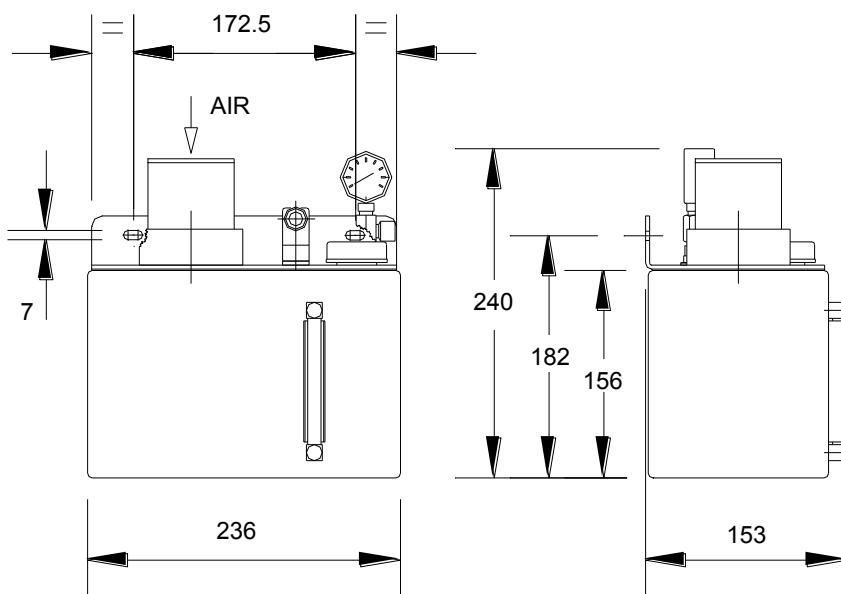
Part No.	Model	Voltage
06-8706	With Controls	115
06-8707	With Controls	230
06-8708	Without Controls	115
06-8709	Without Controls	230

Maximum Working Pressure: 30 Bar (425 psi)  
 Ratio: 4.5 to 1  
 Low Level Switch: 1.5A 250V AC 150V DC  
 Residual Pressure Relief Valve; 0.7 Bar (10 psi)  
 Maximum Cycles per Minute: 4  
 Suction Strainer: 250 Micron  
 Air Inlet: 1/4" BSP  
 Oil Outlet: Ø6mm Tube  
 Oil Viscosity: 50-1000 cSt at 40°C  
 Temperature Range: -10°C To +80°C

**1 LITRE RESERVOIR**



Part No.	Capacity	Reservoir Material	Output/Stroke	Airline Pressure		Low Level Switch
				Min	Max	
06-2210	1 litre	Nylon	13cc	4 bar	7 bar	No
06-2711	1 litre	Nylon				Yes
06-2264	5 litre	Metal				Yes



**5 LITRE RESERVOIR**

