



Certificate No. FM163

ISO 9001

# spirax sarco

TI-P052-04 / 408105A 1/3

CH Issue 2



CHRYSsafidis

## Spirax-Monnier SL3 Standard Compressed Air Lubricator

Spirax-Monnier Lubricators inject a controlled amount of oil into compressed air to lubricate pneumatically operated tools and cylinders.

**Types:- SL3**

**Sizes:- 3/4" & 1"**

**Connections:- Screwed BSP (BS21-Rp)**

- Once set, compensates for varying air flow rates.
- Operates over wide range of pressures and flows.
- Easy sensitive adjustment.
- Bowl can be refilled without shutting off air.
- Metal Bowl, with or without Sight Level.
- Black epoxy finish - internal and external.

### Operating limits

	Max. Pressure	Max. Temperature
Metal Bowl	17bar	70°C

### Materials

Part	Material
Head	Aluminium-Epoxy Coated
Bowl	Aluminium-Epoxy Coated
Automatic Venturi Valve	Brass

### How to order

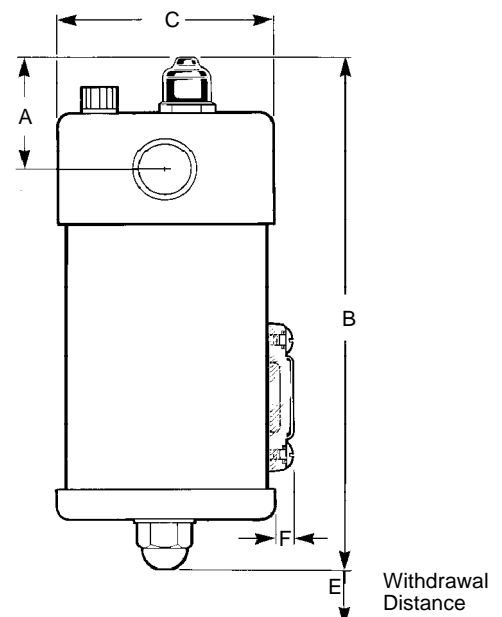
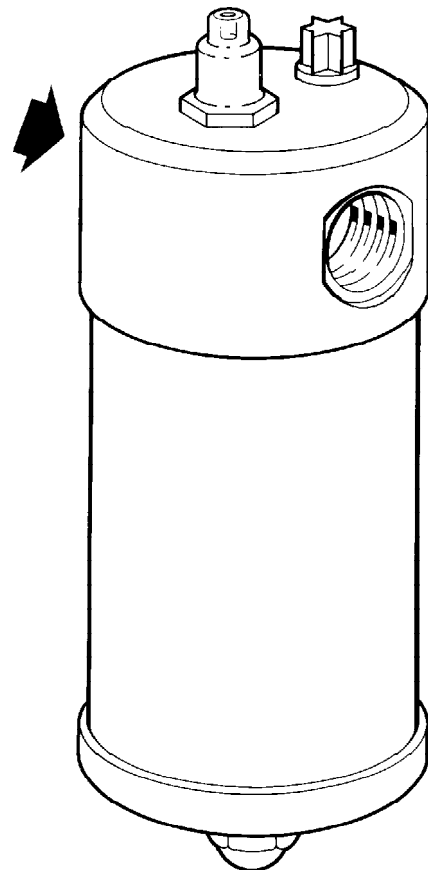
Please state: quantity, size (3/4" or 1") Spirax-Monnier Lubricator type SL3. Specify optional extras separately.

### Dimensions (approximate) in millimetres

Size	A	B	C	E	F	Bowl Capacity	Weight
3/4" & 1"	51	250	95	60	10	720ml	1.7kg

### How to fit

Fit in horizontal pipework with the air flow in the direction of the arrow and bowl vertically downwards. The lubricator should be fitted as close as possible to the unit it is serving. A Spirax-Monnier filter should be fitted upstream to prevent any contaminants reaching the system to be lubricated.





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### To adjust

The oil requirements for most pneumatic systems are one drop of oil for every 5 dm<sup>3</sup> of free air used.

To adjust: rotating oil adjustment screw (4) clockwise will decrease the oil drip rate, conversely anti clockwise will increase it.

### To fill bowl

Slowly unscrew oil filler plug (5) allowing bowl air pressure to decay to zero, replenish with oil. Replace oil filler plug finger tight.

All this can be done without shutting off the main air supply.

### Lubricant

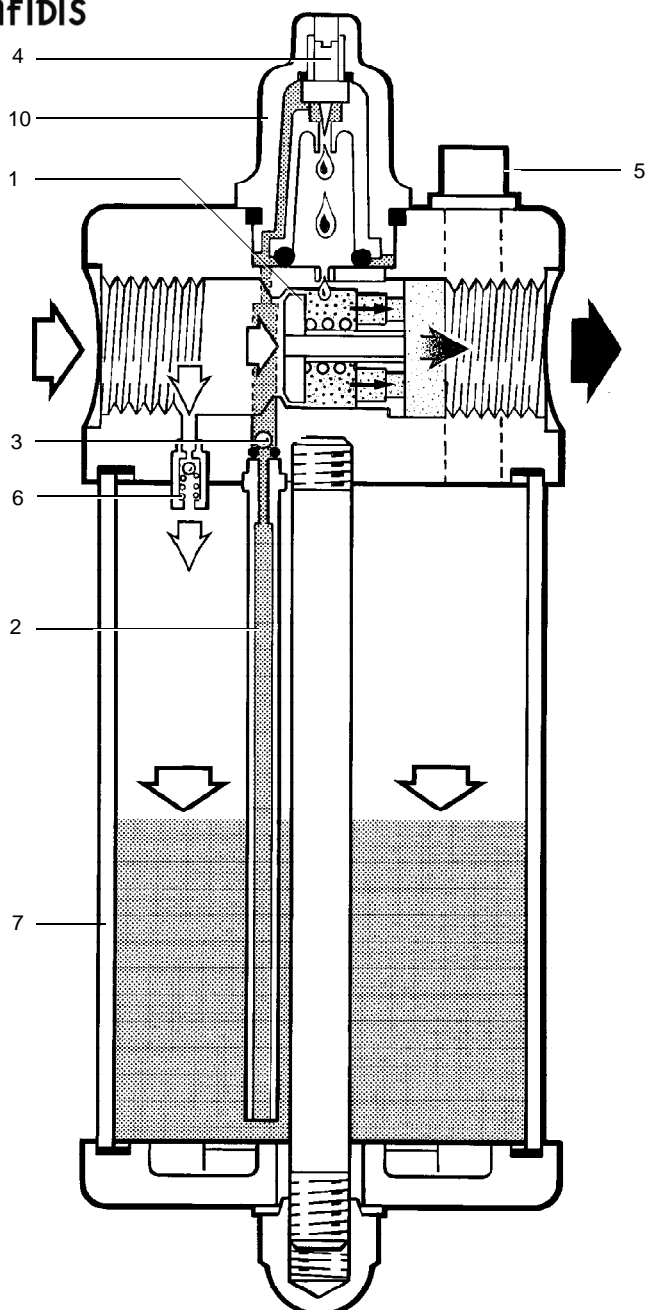
The oil used must be compatible with the equipment being served by the lubricator, and with the materials of construction of the lubricator itself. Generally the oil will be of the free-fogging type in viscosity range 7.5 to 64 centistrokes (45 to 280 seconds Redwood No. 1) at 38°C.

### How does it work

Air entering the lubricator pressurises the bowl through an automatic valve (6). Air passing the patented venturi valve (1) causes a slight pressure reduction. This is sensed via a drilling in the head, into the sight dome (10) and the bottom of the oil pick up tube (2). Because of this pressure difference oil is forced via the pick up tube (2) past the non return valve (3) the metering valve (4) into the sight dome (10). Then it flows into the main air flow path. At this point air turbulence causes the oil to atomise, and it passes out into the system.

### Warning

Polycarbonate Sight Domes and "Trogamid" Sight levels may be attacked by phosphate ester based fluids, solvents, paint thinners and Carbon Tetrachloride. Certain compressor lubricating oils also contain additives which may be harmful. These and similar substances should not be allowed to come into contact with the Sight Dome or Sight Level.



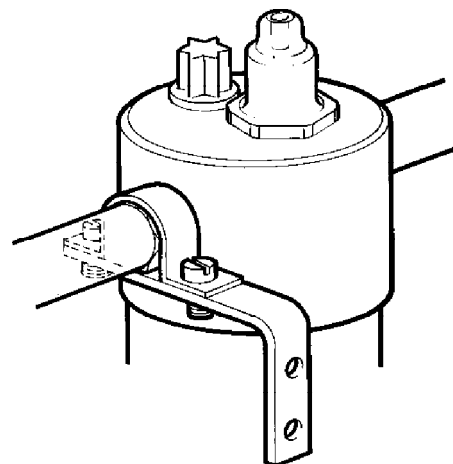
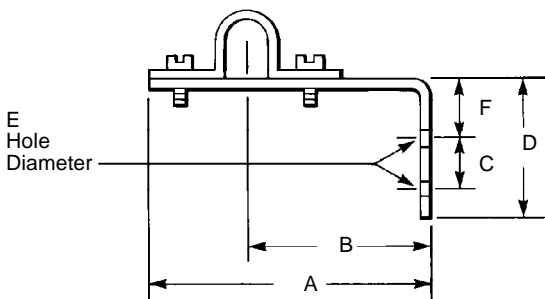
### Optional Extras

#### Type 3 Mounting Bracket

This is a zinc plated, mild steel angle bracket which can be attached to any flat surface by means of screws or bolts.

#### Dimensions (approximate) in millimetres

A	B	C	D	E	F
96	62	22.2	41	5	12.7





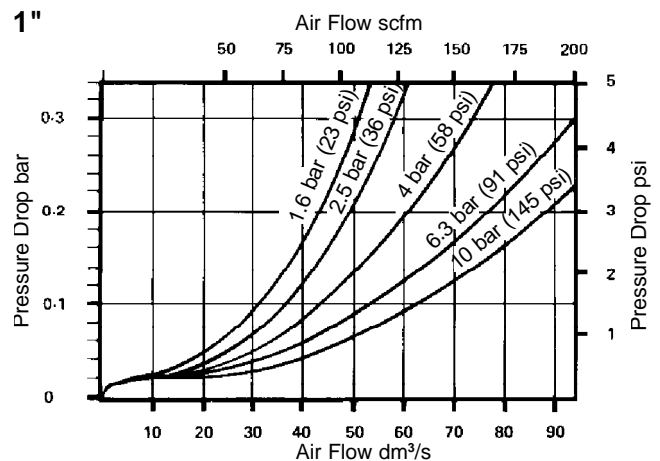
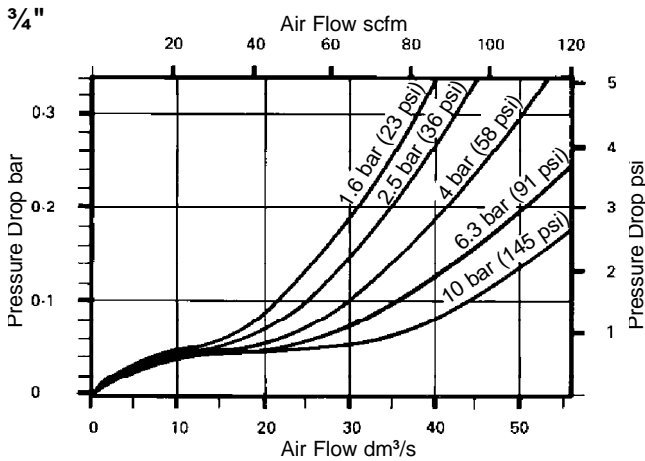
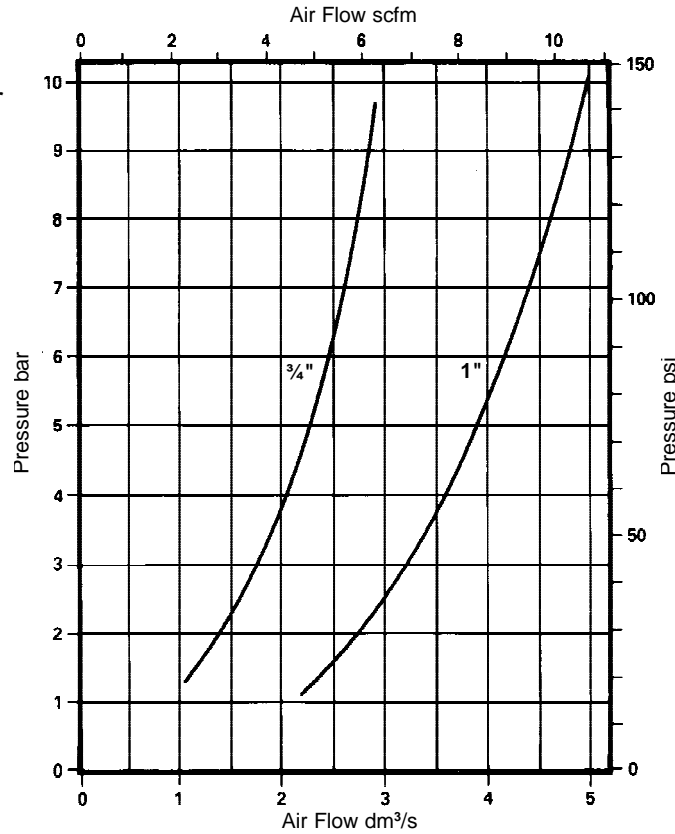
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## Spirax-Monnier SL3 Standard Compressed Air Lubricator

### Performance

Minimum flow to activate lubricator



Local regulations may restrict the use of this product to below the conditions quoted.  
In the interests of development and improvement of the product, we reserve the right to change the specification.