



INSTRUCTIONS FOR

# AIR REGULATOR, FILTER, LUBRICATOR RANGE

MODEL NOS: **SA106, SA106FR, SA106F, SA106L, SA106R**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



**SA106**



**SA106FR**



**SA106F**



**SA106L**



**SA106R**



Refer to instruction manual

## 1. SAFETY

- WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect the equipment from the air supply before changing accessories, servicing or performing any maintenance.
- ✓ Keep the equipment clean and maintain it in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- WARNING!** Ensure that the correct air pressure is maintained and not exceeded.
- ✓ Keep air hoses away from heat, oil and sharp edges. Check hoses for wear before each use and ensure that all connections are secure.
- ✗ **DO NOT** direct air from the air hose at yourself, others or animals.
- ✓ Drain the compressor air tank daily. Water in the air line will damage your equipment.
- ✓ When work is complete ensure that the air supply is turned off.

## 2. INTRODUCTION

Suitable for workshop air supply set-ups. Regulator features locking control knob for pre-setting air pressure and pressure gauge. Filter has manual drain facility with female 1/8" BSP outlet. Lubricator includes oil/air mix control and sight glass. Filter and lubricator are fitted with metal bowl cages for protection. SA106, SA106FR and SA106R supplied with mounting bracket.

## 3. SPECIFICATION

### Filter/Lubricator/Regulator - SA106

Max. inlet pressure . . . . . 150psi (10.3 bar)  
 Max. outlet pressure . . . . . 125psi (8.6 bar)  
 Max. flow rate @ 100psi (6.9 bar) . . . . . .60cfm  
 Filter . . . . . .25 micron  
 Lubricant . . . . . Sealey Air Tool Oil - ATO/500 or ATO/1000  
 Ports-Inlet . . . . . 1/4" BSP  
   Outlet . . . . . 1/4" BSP  
   Gauge . . . . . 1/8" BSP

### Lubricator - SA106L

Max. inlet pressure . . . . . 150psi (10.3 bar)  
 Max. outlet pressure . . . . . 125psi (8.6 bar)  
 Max. flow rate @ 100psi (6.9 bar) . . . . . .60cfm  
 Lubricant . . . . . Sealey Air Tool Oil - ATO/500 or ATO/1000  
 Ports-Inlet . . . . . 1/4" BSP  
   Outlet . . . . . 1/4" BSP

### Filter/Regulator - SA106FR

Max. inlet pressure . . . . . 150psi (10.3 bar)  
 Max. outlet pressure . . . . . 125psi (8.6 bar)  
 Max. flow rate @ 100psi (6.9 bar) . . . . . .70cfm  
 Filter . . . . . .25 micron  
 Ports-Inlet . . . . . 1/4" BSP  
   Outlet . . . . . 1/4" BSP  
   Gauge . . . . . 1/8" BSP

### Filter - SA106F

Max. inlet pressure . . . . . 150psi (10.3 bar)  
 Max. outlet pressure . . . . . 125psi (8.6 bar)  
 Max. flow rate @ 100psi (6.9 bar) . . . . . .53cfm  
 Filter . . . . . .25 micron  
 Ports-Inlet . . . . . 1/4" BSP  
   Outlet . . . . . 1/4" BSP

### Regulator - SA106R

Max. inlet pressure	150psi (10.3 bar)
Max. outlet pressure	125psi (8.6 bar)
Max. flow rate @ 100psi (6.9 bar)	.88cfm
Ports-Inlet	1/4" BSP
Outlet	1/4" BSP
Gauge	1/8" BSP

**WARNING! Filter and lubricator bowls are manufactured from polycarbonate and must not be used at temperatures over 125°F (52°C) or for pressures over 218psi (15 bar). Polycarbonate can be damaged and may fail if exposed to certain solvents either internally or externally - strong alkalis, compressor oils containing aromatic hydrocarbons or fire retardant oils, or the fumes of any of these. Clean with warm water only.**

## 4. ASSEMBLY

- 4.1. Confirm that all items are present and undamaged. If any parts are missing or damaged please contact the supplier.

**SA106** - Combined filter, regulator with gauge, lubricator and mounting bracket.

**SA106FR** - Combined filter, regulator with gauge and mounting bracket.

**SA106F** - Filter.

**SA106L** - Lubricator.

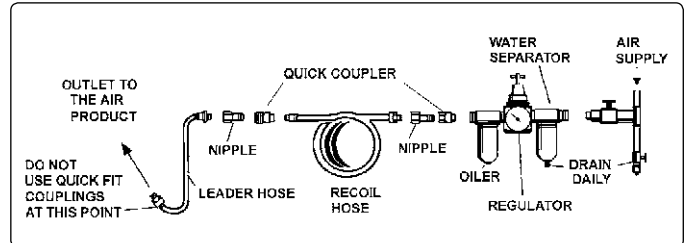
**SA106R** - Regulator with gauge and mounting bracket.

- 4.2. Fig.1 shows a typical air line installation. The filter is located upstream of the regulator - unless combined, as in SA106 and SA106FR - and the lubricator downstream.

- 4.3. Filter/regulator - Install using the mounting bracket provided. Before connecting system piping ensure that gauge is visible, unused gauge port is sealed with plug provided and that flow direction arrow matches system air flow.

- 4.4. Filter and Lubricator - Install into air piping or connect directly to bracket mounted regulator using fittings provided. Always check that flow arrows are correct and that filter is upstream and lubricator downstream of regulator.

**Note:** To ensure air-tight joints, use PTFE tape.



## 5. OPERATION

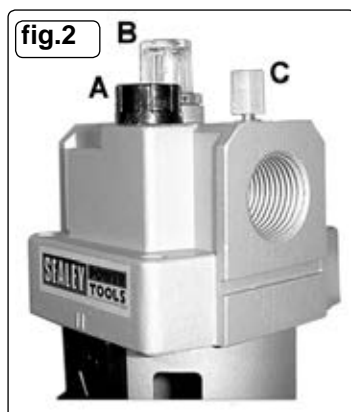
- 5.1. **Regulator** - The output pressure is controlled by the knob. Before pressurising the air system for the first time, pull out and rotate the knob anticlockwise to remove any loading on the regulator spring. Pressurise the system and then rotate knob clockwise to set required output pressure, as shown on gauge. When the required pressure is achieved push in knob to prevent inadvertent adjustment.

**Note:** For correct pressure setting always adjust up from a lower pressure. Therefore to reset from 90 to 70psi for example, reduce pressure from 90 to 60psi and then increase to 70psi.

- 5.2. **Filter** - The bowl should be drained regularly to prevent an excessive build-up of water/oil. Pull down the drain valve at the bottom of the bowl, allow to drain and then release. Drain valve has female 1/8" BSP outlet.

- 5.3. **Lubricator** - Remove the filler plug (**fig.2.A**) and fill bowl up to max. level, with air tool oil. This can be done with the air line pressurised. With air flowing through the lubricator the oil delivery rate can be adjusted by screw (**fig.2.C**) whilst watching the drip rate through the sight dome (**fig.2.B**). The oil delivery rate will automatically increase or decrease in line with the air flow.

- 5.4. Both the filter and the lubricator are supplied with a metal bowl guard. To remove the guard, pull down the latch (**fig.3.D**) and rotate the guard until either of the two pairs of lines (**fig.3.E**) on the guard align with the similar marks (**fig.3.F**) on the head. The guard can now be removed. To refit, slide the top of the guard into the head with the guard and head markings aligned, and then rotate the guard so that the latch aligns with the marks on the head. The latch will lock into place.



## 6. PARTS

MODEL:	SA106	SA106FR	SA106F	SA106L	SA106R
Filter Bowl:	SA106.B	SA106.B	SA106.B	---	---
Lubricator Bowl:	SA106.B1	---	---	SA106.B1	---
Regulator gauge:	SA106.G	SA106.G	---	---	SA106.G
Plastic Ring:	SA106.PR	SA106.PR	---	---	SA106.PR
Wall Bracket:	SA106.WB	SA106.WB1	---	---	SA106.WB1

The following fittings are also available from your supplier:

<b>SA1/1214F</b>	1/2"BSP male -1/4"BSP female reducer
<b>SA1/3814F</b>	3/8"BSP male -1/4"BSP female reducer
<b>SA1/1414</b>	1/4"BSP male -1/4"BSP male connector



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

Sealey Group, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk. IP32 7AR



01284 757500



01284 703534



sales@sealey.co.uk



www.sealey.co.uk