

INSTRUCTIONS FOR:
FILTER/REGULATOR/LUBRICATOR
 Models: SA100, SA100FR, SA100F, SA100L

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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.



SA100



SA100FR



SA100F



SA100L

1. SAFETY INSTRUCTIONS

- ❑ **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 equipment.
- ✓ When work is complete ensure that the air supply is turned off.

2. INTRODUCTION & SPECIFICATIONS

Industrial quality air control equipment suitable for high volume applications. Regulator assembly features locking control knob for pre-setting air flow and large, easy to read pressure gauge. Filtration of particulate to 40µm. Lubricator includes oil/air mix control and viewing chamber. SA100 and SA100FR supplied with mounting bracket.

Regulator (SA100, SA100FR)

Max. inlet pressure218psi (15 bar)
 Output pressure range7 to 125psi (0.5 to 8.6 bar)
 Max. flow rate @ 100psi (6.9 bar)105cfm
 Ports
 Inlet1/2" BSP
 Outlet1/2" BSP
 Gauge1/4" BSP

Lubricator (SA100, SA100L)

Max. inlet pressure218psi (15 bar)
 Max. flow rate @ 100psi (6.9 bar)210cfm
 LubricantSealey Air Tool Oil - ATO/500 or ATO/1000
 Lubricant capacity130ml
 Ports
 Inlet1/2" BSP
 Outlet1/2" BSP

Filter (SA100, SA100F, SA100FR)

Max. inlet pressure218psi (15 bar)
 Max. flow rate @ 100psi (6.9 bar)210cfm
 Filter40 micron
 Drainmanual
 Ports
 Inlet1/2" BSP
 Outlet1/2" 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, internally or externally, certain solvents, strong alkalis, compressor oils containing aromatic hydrocarbons or fire retardant oils, or the fumes of any of these. Clean with warm water only.

3. CONTENT & INSTALLATION

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

SA100 - Combined filter/regulator with gauge, lubricator and mounting bracket.

SA100FR - Combined filter/regulator with gauge and mounting bracket.

SA100F - Filter.

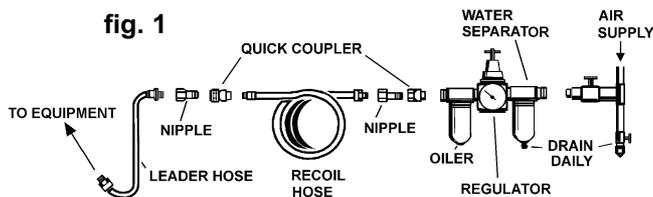
SA100L - Lubricator.

3.2. Fig.1 shows a typical air line installation. The filter is located upstream of the regulator - unless combined, as in SA100 and SA100FR - and the lubricator downstream.

3.2.1. 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.

3.2.2. 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.



4. OPERATION

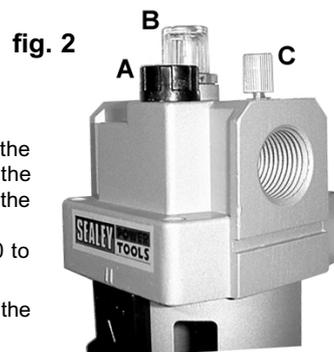
4.1. Regulator - The output pressure is controlled by the knob. Before pressurising the air system for the first time rotate the knob anticlockwise to remove any loading on the regulator spring. Pressurise the system and then rotate knob clockwise to set required output pressure, as shown on gauge. When the required pressure is achieved tighten lock nut to prevent inadvertent alteration.

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 from 60 to 70psi.

4.2. Filter - The bowl should be drained regularly to prevent an excessive build-up of water/oil. Unscrew the drain cock at the bottom of the bowl, allow to drain and then retighten.

4.3. Lubricator - Remove the filler plug (fig.2.A) and fill bowl 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 'C' whilst watching the drip rate through the sight dome 'B'. The oil delivery rate will automatically increase or decrease in line with the air flow.

4.4. 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 'E' on the guard align with the similar marks '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.



5. ADDITIONAL FITTINGS

The following fittings are available from your supplier:

SA1/12121/2" BSP-1/2" BSP male-male nipple

SA1/1214F . . .1/2" BSP-1/4" BSP male-female reducer

SA1/14141/4"-1/4" male-male nipple

SA1/1238F . .1/2" BSP-3/8" BSP male-female reducer

SA1/3814F . .3/8" BSP-1/4" BSP male-female reducer

6. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole importer into the UK, declare that the products listed here are in conformity with the following standards and directives.

Filter/regulator, Filter & Lubricator.
Models: SA100, SA100FR, SA100F & SA100L

97/23/EC Pressure Equipment Directive
98/37/EC Machinery Directive



The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

Date 1st October 2002

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products.

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 product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



Sole UK Distributor, Sealey Group,
Bury St. Edmunds, Suffolk.



01284 757500



01284 703534

E-mail: sales@sealey.co.uk
Web: www.sealey.co.uk