



INSTRUCTIONS FOR:
**PROFESSIONAL AIR REGULATOR, FILTER,
 LUBRICATOR RANGE**

MODEL No's: **SA406, SA406FR, SA406L, SA406F,
 SA406R.**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, 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.



Refer to Instruction
 Manual



Wear Eye
 Protection

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.
- x **DO NOT** direct air from the air hose at yourself, others or animals.
- x **DO NOT** operate air tools when tired or under the influence of drugs, alcohol or intoxicating medication.
- ✓ Drain the compressor air tank and the filter bowl 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 industrial workshop air supply set-ups where high flow applications are required. State of the art design for the professional user. Regulator assemblies feature locking control knob for pre-setting air pressure and an easy-to-read digital pressure gauge. Filters fitted with manual or auto 1/8" BSP drain facility. Lubricator includes oil/air mix control and sight glass. Both filters and lubricator are fitted with metal bowl cages for protection. Suitable for use in solvent free spray booths up to 70°C.

3. SPECIFICATIONS

Filter/Lubricator/Regulator - SA406

Max. inlet pressure 232psi
 Max. outlet pressure 174psi
 Max. flow rate @ 100psi 176.5cfm
 Lubricant Sealey Air Tool Oil - ATO/500 or ATO/1000
Ports: Inlet 1/2" BSP
 Outlet 1/2" BSP

Filter - SA406F

Max. inlet pressure 232psi
 Max. outlet pressure 174psi
 Max. flow rate @ 100psi 212cfm
Ports: Inlet 1/2" BSP
 Outlet 1/2" BSP

Filter/Regulator - SA406FR

Max. inlet pressure 232psi
Max. outlet pressure 174psi
Max. flow rate @ 100psi 176.5cfm
Ports:Inlet 1/2" BSP
Outlet 1/2" BSP

Regulator - SA406R

Max. inlet pressure 232psi
Max. outlet pressure 174psi
Max. flow rate @ 100psi 212cfm
Ports:Inlet 1/2" BSP
Outlet 1/2" BSP

Lubricator - SA406L

Max. inlet pressure 232psi
Max. outlet pressure 174psi
Max. flow rate @ 100psi 212cfm
Lubricant Sealey Air Tool Oil - ATO/500 or ATO/1000
Ports:Inlet 1/2" BSP
Outlet 1/2" BSP

WARNING! Filter and lubricator bowls are manufactured from polycarbonate and must not be used at temperatures over 140°F (60°C) or for pressures over 170psi (12bar). Polycarbonate can be damaged and may fail if exposed to certain solvents either internally or externally, such as strong alkalis, compressor oils containing aromatic hydrocarbons or fire retardant oils, or the fumes of any of these. Clean with warm water only.

4. CONTENTS

4.1. Contents

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

SA406 - Combined filter, regulator with gauge, lubricator and mounting brackets.

SA406FR - Combined filter, regulator with gauge and mounting brackets.

SA406L - Lubricator.

SA406F - Filter

SA406R - Regulator with gauge and mounting brackets.

5. INSTALLATION

5.2. Installation

5.2.1. Filter/Regulator - Attach the mounting brackets to the filter/regulator as shown in fig.1 and install for connection to the pneumatic system. Before connecting to the pneumatic system ensure that the gauge is visible, unused gauge port is sealed with plug provided and that the flow direction arrows match the system flow.

5.2.2. Filter and Lubricator - Install into pneumatic system or connect directly to the regulator using fittings provided. Always check that flow arrows are correct and that the filter is upstream, and the lubricator is downstream, of the regulator.

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

6. OPERATION

6.1. Digital Pressure Gauge

6.1.1. SA406, 406FR and SA406R are fitted with a digital pressure gauge (fig.2). Press the function button to turn on the display and continue to press the function button to scroll through the units of pressure measurement. Stop pressing the function button when the required unit of measurement is displayed.

6.1.2. To extend battery life, the display will automatically turn off after a period of time. Press the function button to re-activate the display at any time.

6.1.3. Should the battery require replacing, drain the air from the system and unscrew the digital pressure gauge from the regulator. Slide off the battery cover to access the battery (fig.3) and remove the battery. Replace battery, refit the battery cover and screw the digital pressure gauge back on to the regulator.

6.2. Regulator

6.2.1. The output pressure is controlled by the knob. Before pressurising the air system for the first time, push down and rotate the knob anticlockwise to remove any loading on the regulator spring.

6.2.2. Pressurise the system and then rotate knob clockwise to set the required output pressure, as shown on the gauge. When the required pressure is achieved, pull up the knob to prevent inadvertent adjustment.

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

6.3. Filter

6.3.1. 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.

6.4. Lubricator

6.4.1. Remove the filler plug (fig.4.A) and fill the bowl with air tool oil (Sealey Part No. ATO500 or ATO1000). This can be done with the system pressurised. With air flowing through the lubricator the oil delivery rate can be adjusted by the screw (fig.4.C) whilst watching the drip rate through the sight dome (fig.4.B). The oil delivery rate will automatically increase or decrease in line with the air flow.

6.5. Filter and Lubricator Bowls

6.5.1. Both the filter and the lubricator are supplied with a polycarbonate/metal bowl. To remove, rotate the bowl anticlockwise until it has released from the main body of the filter or lubricator.

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fig.1

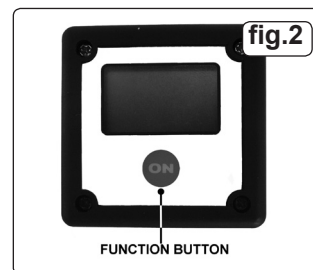


fig.2

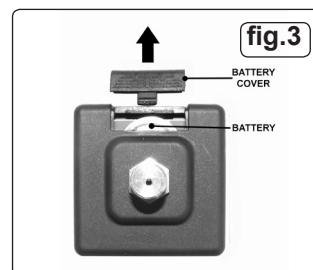


fig.3

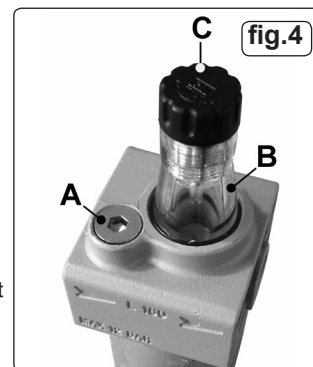


fig.4

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500.

Environmental 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 off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.

WEEE Regulations



Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

For battery removal details see section 6.1.3.

NOTE: It is our policy to improve products continually 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 will be required for any claim.



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