

## **Thank you for choosing this product.**

This product is guaranteed to be free of defects in materials and workmanship for a period of 3 years from the purchase date.

If you experience a problem, return the product direct to us, with the original receipt at :

**Silverline Tools Limited  
PO Box 2988  
Yeovil  
BA21 1WU**

We do not refund carriage. This guarantee is for Great Britain only and does not affect your statutory rights. As you would expect fair wear and tear are not covered.

## **Users Manual Filter Regulator & Lubricator**

**Product Code 245014**

© June 2005



## Introduction

Carefully read and understand this manual before using this product. Keep these instructions with the product for future reference. Ensure all persons who use and service this product are acquainted with this manual.

## General Safety Instructions

It is important to read and understand your instruction manual and any label attached to the power tool. Learn its application, as well as its limitations and the potential hazards associated with this power tool. Even when used as prescribed it is not possible to eliminate all residual risk factors. Use with caution.

### Keep guards in position

- Always keep guards in position, in good working order, correctly adjusted and aligned. Never attempt to use a power tool without any guard supplied with it.

### Remove adjusting keys

- Always check to see that keys and adjusting wrenches are removed from power tool before turning on.

### Clean work area

- Accidents occur where benches and work areas are cluttered or dirty, floors must be kept clear, avoid working where the floor is slippery due to sawdust or wax.

### Dangerous environment

- Do not use power tools in damp or wet conditions, or expose them to rain. Provide adequate surrounding work space and keep area well lit. Do not use power tools where there is a risk of explosion or fire from combustible material, flammable liquids, flammable gases or dust of an explosive nature. When using power tools avoid contact with any earthed items such as pipes, radiators, cookers, refrigerators, metal baths and taps.

### Children & Pets

- Children and pets should always be kept at a safe distance from your work. Make your workshop child-proof. Lock tools away where children can't get access to them. Remove batteries from cordless tools.

### Don't use excess force.

- Your power tool will give you much better service if you do not use excessive force when using it.

### Use the correct power tool

- Don't force, or attempt to use a power tool for a purpose it was not designed for. Do not use a small tool to do the job of a heavy duty tool.

### Wear correct clothing and footwear.

- Don't wear loose clothing, neckties or jewellery or other items which may get caught in moving parts. Wear non-slip footwear, cover or tie back long hair. Use safety footwear if necessary.

### Protect your head

- Wear safety goggles at all times, every day glasses are not sufficient for eye protection, as lenses are not impact resistant and could shatter. Use an approved face or dust mask when operation creates dust. Ensure dust extraction equipment is functioning and correctly used. Hearing protection should be used if the sound intensity level for the operator could exceed 85dB(A). Use a hard hat where there is a risk of falling objects or striking your head on low level obstructions.

### Protect yourself from vibration.

- Hand held power tools may produce vibration. Vibration can cause disease. Gloves to keep the operator warm and dry and therefore maintain good blood circulation in the fingers may help.

### Secure work

- Always secure work. Where practical use a clamp or vice, it will allow you to use both hands to operate your power tool.

### Keep your balance

- Don't over reach, keep proper footing at all times to ensure correct balance.

### Maintain your power tool

- Keep your power tool in good working order, keep tools sharp and clean for best and safest performance. Ensure ventilation holes are kept clean and unrestricted at all times.

### Always disconnect

- Before changing tools, always ensure they are disconnected

from the power source.

### Avoid accidental starting

- Make sure the switch is in the OFF position before plugging in the mains lead.

### Accessories

- The use of any attachment or accessory other than those mentioned in this manual could result in damage or injury. The use of improper accessories could be dangerous.

### Never stand on your power tool

- Standing on your power tool or its stand could cause serious injury if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool so that it is necessary to stand on the tool or its stand to reach them.

### Switch off before connecting.

- Ensure the power tool is switched off before connecting to the power source. If the power tool stops unexpectedly turn the power switch to off.

### Do not abuse the power cord.

- Be sure your cable/extension cable is properly wired and in good condition. Always replace a damaged cable/extension cable or have it repaired by a qualified person before using it. Never yank or pull the cable to disconnect it from the power socket. Never carry your power tool by its cable. Keep the cable away from damp, heat, oil, solvents, and sharp edges.

### Check for damaged or missing parts.

- Before each use check if any part of the power tool is damaged or missing, check carefully that it will operate properly and perform its intended function. Check alignment of moving parts for binding. Any guard or other part that is damaged should be correctly repaired or replaced. Do not use if the power switch does not turn the power on and off. Check any other condition that may affect the safety of the power tool. DO NOT USE IF DEFECTIVE.

### Direction of feed

- Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

### Don't leave the tool running unattended

- Always wait until your power tool has come to a complete stop before leaving it and then disconnect from power source.

# Product Familiarisation Filter Regulator & Lubricator

## 1. Regulator control

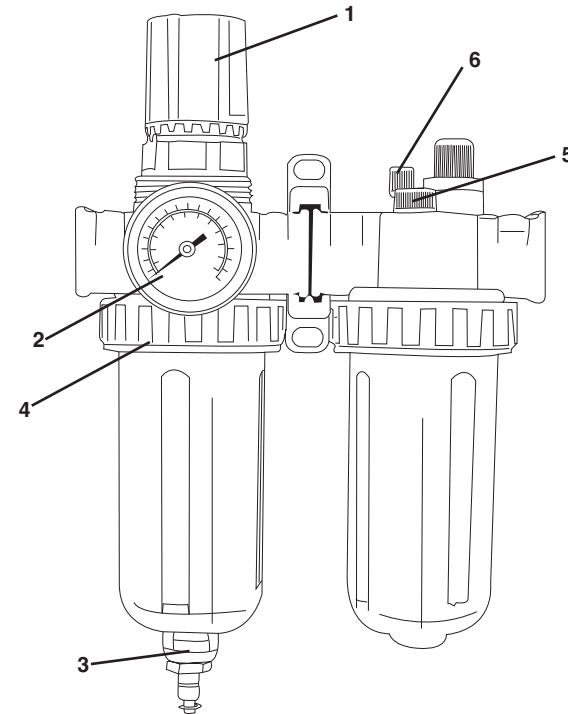
## 2. Pressure gauge

## 3. Drain

## 4. Condensor

## 5. Oil fill

## 6. Oil on/off



## SPECIFICATION

Operating pressure	145PSI
Inlet/outlet	1/2" BSP
Air consumption	4-6CFM

## ADDITIONAL SAFETY INSTRUCTIONS FOR AIR TOOLS

- Always wear safety goggles or safety glasses.
- Always wear ear protection.
- Always make sure that the machine is switched OFF before connecting to the air supply.
- Disconnect any machine from the air supply before changing blades or discs.
- Disconnect any machine from the air supply before performing any servicing.
- Ensure you keep machines clean and lubricated. Lubrication is essential to prevent corrosion of internal parts leading to machine failure.
- Ensure that the machine is oiled daily to prevent corrosion.
- Never wear jewellery (not limited to but including. watches, rings, bracelets or necklaces) or loose clothing when operating air tools.
- Use lightweight coil hoses from the tool to the wall or compressor coupling.

- Do not overload the machine. Allowing the machine to work at its optimum speed prolongs life and is more efficient.
- Do not increase air pressure above the recommended level, excessive overload leads to wear of moving parts and possible tool failure, it can also cause the machine casing to split.
- Always ensure the machine has fully stopped before putting it down after use.
- Make sure that the work piece is firmly secured allowing the operator to control the machine with both hands.
- Ensure that any blades or accessories are rated for use with the machine.
- Always make sure that blades, discs or other accessories are correctly secured and fastened before connecting the machine to an air supply.

## PRIOR TO USE

### Regulator Installation

1. The assembly should meet the maximum flow requirement of the tool.
2. Maximum pressure is 9.9Kg/cm<sup>2</sup>
3. Direction of air flow is demonstrated by the triangles on the primary unit.
4. Place the regulator as close to the unit as possible and away from direct sunlight, hot conditions and hazardous chemicals.

### Regulation

1. Raise up the (regulator control knob) and turn it clockwise to increase the pressure and counterclockwise to decrease the pressure.
2. Regulate the pressure to the desired level and press the (regulator control knob) down to lock it up.

### Drainage

1. If there is no pneumatic pressure, water will discharge.
2. If there is pneumatic pressure, turn the drain to face the direction of arrows on the primary unit and then pull the drain upwards to discharge the water.
3. When the water level exceeds the maximum limit, drain off some of the water to keep optimal dehumidification.

### Maintenance

1. Shut off the air supply and release the air.
2. Turn the condensor counterclockwise and then drain the filter.
3. Clean the transparent P.C cup with a clean dry cloth, do not use any chemical that may damage the P.C cup.

### Lubricator Installation:

1. Place the lubricator as close to the unit to be lubricated as possible.
2. Add the lubricant into the oil cup.

### Oil Drop Regulation:

1. Turn the needle valve clockwise for less oil drop, turn it counterclockwise for more oil drop. After setting the needle valve if you increase the air flow more oil will drop, decreasing the air flow less oil will drop.

### Oiling:

1. You can oil the lubricator without closing the air piping.
2. Switch off the oil by turning the oil on/off switch.
3. Use ISO-VG32 or similar lubricants.
4. After adding oil up to the maximum level tighten the oil fill (5) to allow oil to pass through the lubricator.
5. Do not remove oil cup directly after oiling.

### Maintenance:

1. Shut off the air supply and release the air.
2. Turn the regulator control (1) counterclockwise and remove the filter regulator & lubricator.
3. Clean the transparent P.C cup with a clean and dry cloth, do not use any chemical that may damage the P.C cup.
4. When assembling the kit once again, ensure that the seal and O-ring are in the correct position.

### NOTE:

Do not exceed the temperature/ pressure that is advised.

Do not use any flammable fluids such as petrol or alcohol that may be liable to leakage or cause naked flames.

If the plastic cups are exposed to materials such as paints, poor oil products, detergents and chemicals (resin, polythene, acetic acid and others) it may damage them.

## OPERATING INSTRUCTIONS

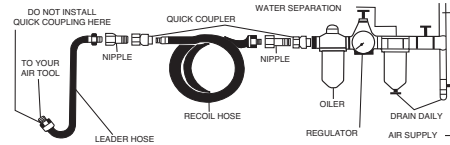
Silverline air tools generally operate within a maximum operating air pressure of 90psi (see specification details). The air pressure should be controlled with a combined regulator oil/water filter

ensuring a constant supply of dry air and oil to the machine.

Always check the machines operating pressure and set the regulator accordingly.

Water collects in the compressor tank and this water will cause serious corrosion to your machines, the tank must be drained on a daily basis to prevent any water build up in the air supply. Dirty wet air will rapidly corrode the internal working parts of your machine and shorten its working life significantly.

## Recommended Air Supply



## Operation

Some air tools have built in regulators, which are used to controls speed/torque performance. Where a machine does not have a built in regulator the speed/torque can still be adjusted by varying the pressure on your air supply regulator.

## MAINTENANCE IMPORTANT

There is very little that can go wrong with your air tool and it should be noted that where an air tool fails to work it is generally because the internal workings have corroded due to dirty wet air and failure to follow the instructions given below.

**EVERY DAY**, before use, with the machine disconnected from the air supply, pour the equivalent of a tablespoon of oil into the air intake. Operate the machine at low speed to thoroughly lubricate all internal workings.

Recommended oil is **Castrol AWS32**

**DO NOT UNDER ANY CIRCUMSTANCES USE NORMAL ENGINE OIL.**

**Failure to comply with the operating and maintenance instruction may invalidate the guarantee.**