

Filter Box

Introduction

Thank you for choosing the Supreme Filter Box, we hope it will give you numerous hours of trouble free service. Please read all the following instructions carefully and keep all literature safe as it will be necessary when ordering spares.

Air filtration complies with both ISO 8573 - 1 : Quality class 1.7.1 and BS 4275 (1974).

This unit will not remove Carbon Monoxide, Carbon Dioxide or other toxic gasses or fumes`.

General information

The filters are housed in a tough plastic (High Density Polyethylene) box. Access to the filters is gained by removing the six screws that join the two halves together.

The filter box is fitted with automatic drains, when the pressure is shut off, the filters will drain. This waste will in turn seep out of a hole at the rear of the base in the plastic housing

The unit will supply 840 litres per minute of breathing air.

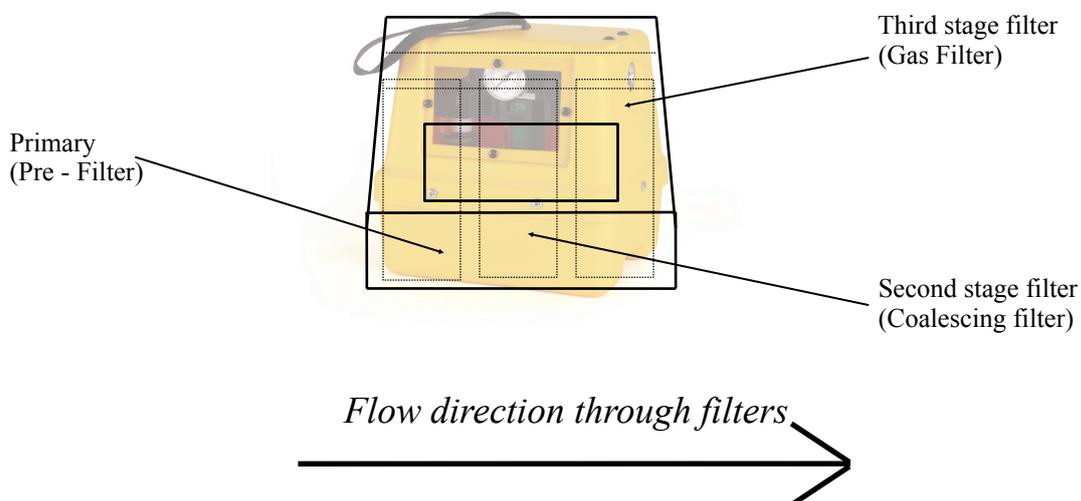
Care should be taken to connect the filter correctly (See Dia. A).

The unit is fitted with 1/2" BSP female threads at its inlet and outlet ports.

Pressure Reading

This is the pressure at the input to the 2nd stage filter – the coalescing filter.

Dia A. – Looking through window



Technical description

The unit will supply 840 l / min (29 cfm) of air to breathing quality, when properly maintained.

A coarse filter (75 micron) should be fitted to the compressor, this will prolong the life of your primary filter in the 'filter box' - most compressors are already equipped with this.

The unit comprises of : -

i/ Primary Filter (5 micron)

This removes any remaining debris not stopped by the coarse filter, if this should block prematurely check the coarse filter fitted to your compressor is functioning / fitted.

ii/ Second stage filter (.01 micron)

This is an ultra high efficiency filter which removes primary oil mist, sub micron particles and water.

iii/ Third stage filter(0.001 micron)

This is an activated carbon filter which will absorb any remaining oil or hydro-carbon gases which may be left. If visually inspected, the colour will change from white to red to indicate replacement necessary.

Spares

| <u>Part No.</u> | <u>Description</u> |
|-----------------|-----------------------------------|
| P1114 - D | Complete Filter Box |
| P1114 -D - 001 | Pre filter |
| P1114 -D - 002 | Coalescing filter (Oil and Water) |
| P1114 - D - 003 | Gas filter (Activated Carbon) |

(issue 5 08/07)

Filter Box Maintenance Log

Company Name : _____.

Safety Officer : _____.

User Name : _____.

Maintenance Technician : _____.

Type of filter : Model D

Inspection / Replacement Date

| Filter | 1 st inspection / replacement | 2 nd inspection / replacement | 3 rd inspection / replacement | 4 th inspection / replacement | 5 th inspection / replacement |
|-------------------------|--|--|--|--|--|
| Pre - Filter | | | | | |
| Coalescent filter | | | | | |
| Activated Carbon filter | | | | | |

Air service equipment should be maintained regularly. Use, quality of air and condition at examination may indicate adjustment of the maintenance interval.