



## **AIR FILTER PRESSURE REGULATOR BRACKET (AFRB)**

### **FILTRATION**

#### **WARNING**

**NEVER USE A PLASTIC BOWL FILTER WITH AIR SUPPLIED FROM A COMPRESSOR LUBRICATED WITH OIL CONTAINING PHOSPHATE ESTER AND/OR CHLORINATED HYDROCARBONS. USE A METAL BOWL TYPE IN THIS CASE!**

The filtration system in all A.F.R.B. units is a double filter type employing Norgren filters.

A &E Gauges Part Nos:           22045-021 (Norgren F73G).  
  22045-022 (Norgren F73C).

These filters are both of the manual drain variety and must have regular servicing intervals to ensure that the level of fluid in the bowl does not reach the main filter elements. An Auto drain kit is available if required, at extra cost.

#### **F73G Filter**

The filter nearest to the air supply must be the type F73G.

To drain the filter the plastic tap at the base of the bowl is turned on. The Air supply must remain *on* for efficient draining of contaminants.

Once drained, the tap must be turned off.

To clean the filter elements, first turn off air supply then twist the bowl anti-clockwise and pull down to release (Bayonet fitting). Unscrew the baffle and withdraw the element and filter shield from the filter guide. Wash in paraffin and blow out thoroughly with compressed air.

<p><b>TO CLEAN PLASTIC BOWLS, WASH IN SOAPY WATER ONLY. DO NOT USE A SOLVENT OF ANY TYPE, AS IT WILL DESTROY THE BOWL.</b></p>
--

Reassembly is the reverse of the above procedure

If the presence of solvents is suspected in the vicinity of the A.F.R.B. unit, then metal bowls are to be recommended.

Continued:

## F73C Filter

The filter nearest to the gauge unit must be the type F73C.

A pop-up Service Indicator is fitted to this filter. When filter element requires replacement the indicator will show half red/half green.

To drain the filter the plastic tap at the base of the bowl is turned on. The Air supply must remain *on* for efficient draining of contaminants.

Once drained, the tap must be turned off.

To remove the filter element, the air supply must be turned off. Twist the bowl anticlockwise and down to release (Bayonet fitting). The O ring will normally remain on the bowl. Then unscrew the main element by hand.

The main element may need replacing after two year's service or if the pressure drop becomes excessive. It is not designed to be cleaned.

**TO CLEAN PLASTIC BOWLS, WASH IN SOAPY WATER ONLY.  
DO NOT USE A SOLVENT OF ANY TYPE, AS IT WILL  
DESTROY THE BOWL.**

If the presence of solvents is suspected in the vicinity of the A.F.R.B. unit, then metal bowls are to be recommended.

**IF DAMAGE TO THE BOWL IS FOUND OR SUSPECTED THEN  
REPLACEMENT OF THE BOWL IS RECOMMENDED.**

Maximum pressure for a transparent plastic bowl is:	10 bar	(150 psi)
Maximum temperature for a transparent plastic bowl is:	50°C	(120°F)
Maximum pressure for a metal bowl is:	16 bar	(250 psi)
Maximum temperature for a metal bowl is:	80°C	(175°F)
Minimum temperature for a manual drain filter is:	-6°C	(20°F)

## SERVICE

Your gauging and inspection procedures are a critical part of your production process, and their integrity is vital to your business.

Regular maintenance and calibration of this air gauge will ensure continuity of its usefulness, assure accuracy of measurement and prolong its service life. Time and production losses through unplanned repairs will be minimised.

Current BS/ISO approval requires regular maintenance and traceable calibration of all gauges and test equipment used in a manufacturing process.

A & E Gauges Ltd offers comprehensive service and calibration facilities for all its products. In line with current British Standard and ISO requirements we recommend that any gauge is serviced at least once a year. Some quality procedures require more frequent equipment servicing and re-calibration.

A & E Gauges gauging references are fully traceable to National Standards. Conformity and calibration certificates are available if required.

Full service support is provided for all air gauging products, and on-site service contracts for larger users are strongly recommended. The Service Department will be pleased to provide full details of service rates and contract terms.

Contact :       The Service Department

**A & E GAUGES LTD.**

Unit 7  
Redbourn Industrial Estate  
Redbourn  
Herts  
AL3 7LG

Tel:               +44 (0) 1582 794136

Fax:               +44 (0) 1582 794463

E-mail:           [sales@a-egauges.co.uk](mailto:sales@a-egauges.co.uk)

Web:               [www.a-egauges.co.uk](http://www.a-egauges.co.uk)