
*“Save
Your
Breath
With*

NST[®]
MODERN SAFETY TECHNIQUES

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SERVICE INSTRUCTIONS

MODELS

BA200__-S1

BA450__-S1

BA600__-S1

BA1000__-S1

BREATHING AIR PANEL

SERVICE INSTRUCTIONS

(Refer to Figure No.1)

**WARNING: Always turn off air supply and bleed air pressure before disassembling unit or
 SERIOUS INJURY COULD RESULT.**

The filter cartridges used in the Breathing Air Panels have an average life expectancy of (6) six months, (depending on the quality of the air in your compressed air lines) under normal conditions. If liquid is being expelled out from the Fourth Stage Automatic Float Drain, MST, Inc. recommends changing all (3) three filter cartridges.

To replace all or individual filter cartridges in the Breathing Air Panels, follow these steps:

1. FIRST STAGE ELEMENT REPLACEMENT

Element change is required when the Differential Pressure Gauge indicates a 6-10 PSID, 12 PSID max.

- A) First unscrew Bowl Assembly **(1)**. A strap wrench may be required to break bowl, O-ring/manifold seal. Clean bowl ass'y in mild soap and water and blow dry with low pressure air.
- B) Remove Coalescing Element **(2)** by unscrewing End Cap Retaining Nut **(3)**.
- C) Inspect the Filter Manifold **(4)** for dirt/contaminates and clean as required. Inspect O-ring **(5)** for cuts etc. and replace if required. Clean and apply light film of petroleum jell on O-ring before re-installing.
- D) Install new Coalescing Element and tighten End Cap Retaining Nut. Be sure Element is seated squarely on Manifold's boss and End Cap.
- E) Apply light film of petroleum jell on Bowl's beveled edge and threads to provide good seal. HAND TIGHTEN ONLY to Manifold.
- F) Dispose of used Coalescing Element according to local, state and federal regulations.

2. PREFILTER SECOND/THIRD DUAL STAGE ELEMENT REPLACEMENT

Prefilter Dual Stage Element change is required when the Differential Pressure Gauge indicates an 8-10 PSID.

- A) Replace the Prefilter Dual Stage Element **(6)** using the above "First Stage Element" replacement instructions.
- B) Dispose of used Prefilter Dual Stage Element according to local, state and federal regulations.

3. FOURTH STAGE ADSORBER ELEMENT REPLACEMENT

The Adsorber Element change is required when the Differential Pressure Gauge indicates ANY PRESSURE DROP, or if any odor is detected by operator.

NOTE: If any liquids are being expelled out of the Fourth Stage Auto Drain, replace All 3 Elements.

- A) Replace the Adsorber Element (7) using the above “First Stage Element” replacement instructions.
- B) Dispose of used Adsorber Element according to local, state and federal regulations.

4. FINAL CHECK

- A) Pressurize system and check for leaks.
- B) Flush system with compressed air for five (5) minutes.
- C) Calibrate Carbon Monoxide Monitor as outlined in Neotronics Monitor Model OTOX Information Manual.

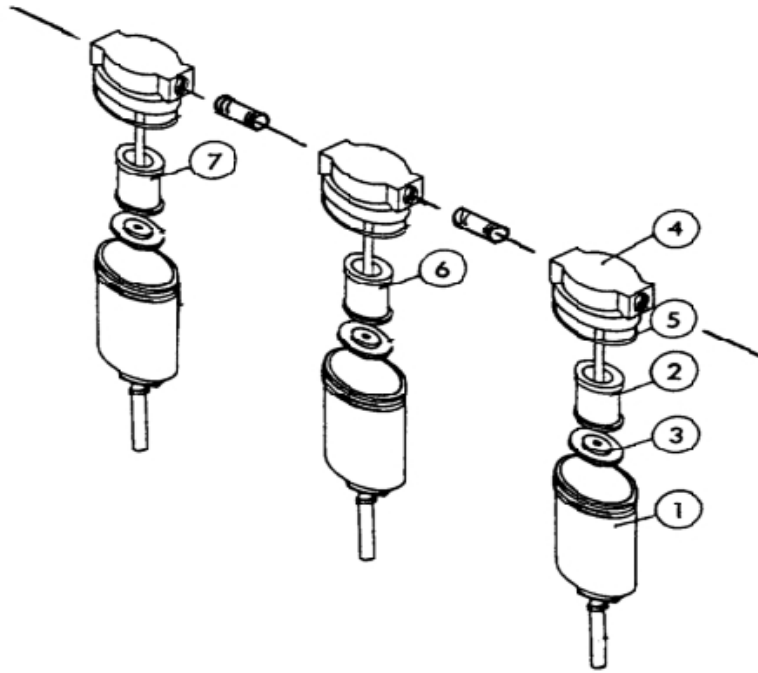


FIGURE NO.1

**REPLACEMENT FILTER ELEMENTS
MODEL BA200__-S1
BREATHING AIR PANEL**

Replacement Filter Kit
(Contains all elements shown below).....FB200

First Stage Element.....80400
Second/Third Stage Element80238-B
Fourth Stage Element80401

**REPLACEMENT FILTER ELEMENTS
MODEL BA450__-S1
BREATHING AIR PANEL**

Replacement Filter Kit
(Contains all elements shown below).....FB450

First Stage Element..... 80403
Second/Third Stage Element80404
Fourth Stage Element80405

**REPLACEMENT FILTER ELEMENTS
MODEL BA600__-S1
BREATHING AIR PANEL**

Replacement Filter Kit
(Contains all elements shown below).....FB600

First Stage Element..... 80419
Second/Third Stage Element80420
Fourth Stage Element80421

**REPLACEMENT FILTER ELEMENTS
MODEL BA1000_ _ _ -S1
BREATHING AIR PANEL**

Replacement Filter Kit
(Contains all elements shown below).....FB1000

First Stage Element..... 80461
Second/Third Stage Element80462
Fourth Stage Element80504