

Breathable Compressed Air Evolution Filtration



domnick hunter



Breathable Air - BA-4350

This BAS-2010 is a portable breathing air purifier, designed to provide high quality breathable air from a normal compressed air supply. The unit utilises two high efficiency purification stages combined together in a compact, weather proof, impact resistant housing to meet international breathing air standards.

- No electrical supply required.
- Tough impact and chemical resistant design.
- Filter change indicator.
- Integral pressure regulator and gauge.
- Integrated condensate collection container.
- Up to 4 man capacity.

Weight: 8 Kg (18 lbs)

Pipe Size:

Inlet: **Outlet:**

G1/2 4 x G1/4

IMPORTANT:

These units will NOT remove methane, carbon dioxide, carbon monoxide or other toxic gases or fumes.

Suitable for use with both mineral and synthetic lubricated compressors.

NOTES:

1. Optional baseplate model - Order Code 60 500 7760.
2. Model available with CO monitor.



Portable
Part Number
BAS-2010



Working Pressure:

2 bar g (30 psi g) to 10 bar g (145 psi g)

Nominal Flow Rates

bar g	2	3	4	5	6	7	8	9	10
L/s	742	910	1064	1190	1302	1400	1498	1582	1666
cfm	25	31	36.5	41	45	48	51	54	57
m³/hr	44	54	63	70.5	77	83	88	93	98

Service Intervals

Description of Service Required		Service recommended every:		
Component	Operation	Week	3-month	12-month
Complete Assembly	Check for air leaks.			
Filtration	Check the pressure gauges during purging for excessive back pressure.			
Filtration	Replace the adsorption filter elements ⁽¹⁾	See Note (1)		
Filtration	Replace the coalescing filter elements and automatic drains			

(1) Unlike oil aerosol removal filters which are changed annually to guarantee compressed air quality, the lifetime of an oil vapour removal filter can be attributed to various factors and require more frequent changes. Factors affecting the lifetime of adsorption filters are:

Oil vapour concentration - The higher the inlet concentration of oil vapour, the faster the activated carbon capacity will expire.

Bulk oil - Adsorption filters are designed to remove oil vapour and odours, not liquid oil or aerosols. Poorly maintained or non-existent pre-filtration will cause the OVR filter capacity to quickly expire.

Temperature - Oil vapour content increases exponentially to inlet temperature, reducing element life. Additionally, as temperature increases, the adsorption capacity decreases, again reducing element life.

Relative Humidity or Dewpoint - Wet air reduces the adsorptive capacity of the carbon.

Compressor oil changes - When compressor oil is changed, the new lubricant burns off "light ends" which increases the oil vapour content for hours or even weeks afterwards. This increase in oil vapour content is adsorbed by the OVR filter, significantly reducing its adsorptive life.

ACS / AC Element performance is based upon a maximum oil vapour inlet concentration of 0.018mg/m³, with compressed air at 21°C and a pressure dewpoint of -40°C PDP.

These elements should be replaced upon detection of vapour, odour or taste.

Key:

	Check		Replace
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