

# Breathable Air Systems

Walker Filtration Breathable Air Systems | BA3022 to BA3031  
Flow rates 15 scfm (25Nm3/h) to 30 scfm (50Nm3/h)

Due to the increasing demand for improved environmental and safety control, Walker Filtration have compiled a comprehensive range of wall mounted and portable breathable air systems.

Designed to suit 2 and 4 port breathable air installations, these purification packages offer exceptional dirt holding capacity and can be installed where safe, breathable compressed air is required.

The filter packages offer filtration and oil removal efficiencies down to 0.01 micron particulate size and maximum oil carryover efficiencies to 0.003 mg/m<sup>3</sup> (0.003 ppm) offering the operator clean, particulate and liquid oil free air with the added benefit of taste and odour removal for improved user comfort and performance.



**Modular Construction**  
New filter head design enables easy close coupling assembly



**Two-Stage Filtration**  
DXA and DAC elements for double the filtration performance



**Flexible Installation**  
Wall or Frame Mounted options available

## Applications and Industries



- Diving
- Welding



- Shotblasting
- Spray Painting



- Mining
- Tunnelling

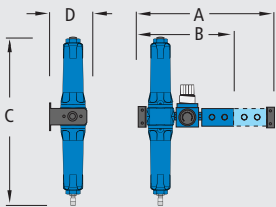


- Tank Cleaning
- Asbestos Removal



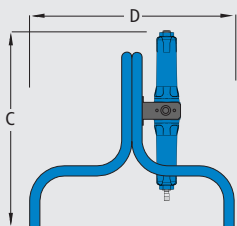
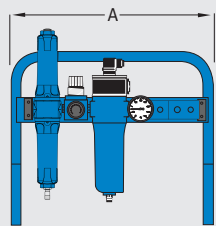
# Technical Specification

Model	Pipe size inches	Inlet flow rate		Dimensions mm				Weight Kg	No. of outlets	Element model
		Nm <sup>3</sup> /h	SCFM	A	B	C	D			
BA3022W	1/4	25	15	253	236	428	75	4.6	2 at 3/8"	E30408XA/E30408DAC
BA3022WH	1/4	25	15	394	377	428	99	4.6	2 at 3/8"	E30408XA/E30408DAC
BA3022F	1/4	25	15	495	N/A	507	516	4.6	2 at 3/8"	E30408XA/E30408DAC
BA3022FH	1/4	25	15	495	N/A	507	516	4.6	2 at 3/8"	E30408XA/E30408DAC
BA3031W	3/8	50	30	333	316	428	75	6.6	4 at 3/8"	E30408XA/E30408DAC
BA3031WH	3/8	50	30	474	457	428	99	6.6	4 at 3/8"	E30408XA/E30408DAC
BA3031F	3/8	50	30	495	N/A	507	516	6.6	4 at 3/8"	E30408XA/E30408DAC
BA3031FH	3/8	50	30	495	N/A	507	516	6.6	4 at 3/8"	E30408XA/E30408DAC



wall mountable option

BA3022W / BA3022WH (2 ports)  
BA3031W / BA3031WH (4 ports)



floor standing option

BA3022F / BA3022FH (2 ports)  
BA3031F / BA3031FH (4 ports)

Model	Accessory description
BAF1	Stand alone frame assembly suitable for Rp 1/4 to Rp 3/8 filter assemblies
WKN40178	Air pressure regulator and pressure gauge
LPA1	Audible alarm for low inlet air pressure condition
WKN40180	Manifold two port version
WKN40179	Manifold four port version

Specification		
Particle removal	0.01 micron	
Maximum oil carryover at 20°C (68°F)	0.003 mg/m <sup>3</sup>	0.003 ppm
Maximum temperature	50°C *	122°F *
Maximum working pressure	10 barg	145 psig

\* Recommended operating temperature 25°C (77°F)

## Ordering Information

- BA3022W or BA3031W: wall mounting option with Duplex Filter.
- BA3022WH or BA3031WH: wall mounting option with Duplex Filter and Compressed Air Heater.
- BA3022F or BA3031F: Duplex Filter mounted onto a portable frame.
- BA3022FH or BA3031FH: Duplex Filter and Compressed Air Heater mounted onto a portable frame.

## Technical Notes

- Additional filtration including a Water Separator is required.
- Duplex filters offer 2 stage filtration within one filter unit. Each filtration package provides an XA (0.01 micron) grade element in the lower section for oil removal, while the AC grade element in the upper section is for odour removal.
- Direction of air flow is inside to out through XA (0.01 micron) grade filter element and outside to in through Activated Carbon AC grade filter element.
- Breathable air filters include float operated drains as standard. ADVS16 on Duplex Filters and SDV25 on heaters.
- Self relieving air pressure regulators are used with 0 to 16 barg (0 to 232 psig) Pressure Gauges and can control the outlet air pressure between 2 and 10 barg (29 and 145 psig).

