

Breathing Air Purifiers with CO / CO₂ reduction

To reduce the following contaminants	Solid Particles	✓	Water Aerosols	✓
	Oil Aerosols	✓	Water Vapour	✓
	Oil Vapour	✓	Carbon Monoxide	✓
	Odours & Fumes	✓	Carbon Dioxide	✓



BA-DME012-080E

The Parker domnick hunter BA-DME range of Breathing Air Purifiers is ideal for point of use multiple personnel protection at medium flow rates. At the inlet, a General Purpose Filter removes particles, dirt and aerosols, followed immediately by a second stage High Efficiency Coalescing Filter to reduce oil and water content and a third stage Activated Carbon Filter to remove oil vapour and odours.

The fourth stage adsorption dryer, reduces the water vapour content of the compressed air (to -40°C pdp) and CO₂, NO and NO₂ levels to below the legal permissible limits.

Downstream of the adsorption dryer, a catalyst converts carbon monoxide to carbon dioxide, again, to below the legal limits. A final Dust Filter captures any particulates carried over from the adsorption materials.

Features

- 6 Purification stages
- Use with any compressed air supply



BAC-4015

The Parker domnick hunter BAC-4015 is a fully pneumatic, portable Breathing Air Purifier designed to provide complete protection for up to four personnel. Five purification stages will ensure the highest quality air that is free from particulate dusts, vapours, odours, carbon dioxide (CO₂) and carbon monoxide (CO). The flow rate is easily adjustable from a pressure regulator and monitored by inlet/outlet pressure gauges on the front fascia.

The BAC-4015 is housed in an extremely strong and robust lockable case for total security.

Features

- 5 Purification stages
- Integral pressure regulator
- Portable
- Hours run meter
- Pneumatic control
- Use with any compressed air supply

Technical Specifications

Dryer Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temp		Max Operating Temp		Electrical supply (standard)	Thread Connections	Noise Level dB (A)
	bar g	psi g	bar g	psi g	°C	°F	°C	°F			
BAC 4015	4	58	10	145	5	41	30	86	Pneumatic	BSPP	<75
BA DME-012E - BA DME-040E	4	58	16	232	5	41	30	86	230v/1ph/50Hz	BSPP	<75
BA DME-050E - BA DME-080E	4	58	13	188	5	41	30	86	230v/1ph/50Hz	BSPP	<75

For flow rates at other pressures, apply the factor shown

													MODELS 012E - 040E only		
Line Pressure	bar g	4	5	6	7	8	9	10	11	12	13	14	15	16	
	psi g	58	73	87	100	116	131	145	160	174	189	203	218	232	
Correction Factor		1.60	1.33	1.14	1	0.89	0.80	0.73	0.67	0.62	0.57	0.54	0.5	0.47	

Model	Connections		Flowrate @ 7 bar g (100 psi g)				Dimensions						Weight (approx.)	
	Inlet	Outlet	Inlet		Outlet		Height		Width		Depth		kg	lbs
			l/s	cfm	l/s	cfm	mm	ins	mm	ins	mm	ins		
BA-DME012E	G ¹ / ₂	G ³ / ₈	11	24	9	19	1000	93.4	578	22.8	302	12	37	81.5
BA-DME015E	G ¹ / ₂	G ³ / ₄	15	32	12	25	1197	47.1	480	18.9	302	12	42	93
BA-DME020E	G ¹ / ₂	G ³ / ₄	20	42	15	33	1326	52.2	480	18.9	302	12	47	104
BA-DME025E	G ¹ / ₂	G ³ / ₄	25	53	20	42	1527	60.1	480	18.9	302	12	52	115
BA-DME030E	G ¹ / ₂	G ³ / ₄	31	65	24	52	1693	66.7	511	20.1	302	12	57	126
BA-DME040E	G ³ / ₄	G ³ / ₄	42	88	33	70	1941	76.4	545	21.5	302	12	74	163
BA-DME050E	G1	G1	50	106	40	84	1699	66.9	400	15.8	1200	47.2	210	463
BA-DME060E	G1	G1	61	130	49	104	1831	72.1	400	15.8	1200	47.2	222	490
BA-DME080E	G1	G1	83	176	66	140	2076	81.7	745	29.3	1200	47.2	279	615
BAC-4015	G ¹ / ₂	G ¹ / ₄	11	24	9	19	752	29.6	515	20.3	272	10.7	40	88.2

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Model shown BA-DME015-E

