

B-AIR SERIES

BREATHING AIR FILTRATION SYSTEMS

operating pressure	16 bar
volume flow rate	78 to 780 Nm³/h
connections	1/2" to 1 1/2"
operating temp. range	1,5 to 45°C
surface protection	RAL 1016



APPLICATIONS

- breathing air

DESCRIPTION

B-AIR™ point of use filter set has been specifically developed for high efficient preparation of top quality breathing air. On request B-AIR™ filter set can be supplied with wall mounting brackets, pressure regulator and quick couplings.

WARNING!

Breathing air filter set B-AIR is not declared as CO₂ and CO removal filter. Despite that B-AIR comprises filter element which can reduce CO content.



TECHNICAL DATA - B-AIR FILTERS

Filter model	Pipe size inch	Flow rate at 7 bar(g), 20°C		Dimensions [mm]				Mass kg	B-AIR FILTER ELEMENTS		
		Nm ³ /h	scfm	A	B	C	D		S Microfilter 0,01 µm	H ² catalyst (hopcalite)	A ² adsorption (act. carbon)
B-AIR 0076	1/2"	78	46	187	88	20	60	3x0,47	07050 S	07050 H ²	07050 A ²
B-AIR 0106	3/4"	120	70	257	88	20	80	3x0,6	14050 S	14050 H ²	14050 A ²
B-AIR 0186	1"	198	116	263	125	32	100	3x1,57	12075 S	12075 H ²	12075 A ²
B-AIR 0306	1"	335	197	363	125	32	120	3x2,2	22075 S	22075 H ²	22075 A ²
B-AIR 0476	1 1/2"	510	300	461	125	32	140	3x2,8	32075 S	32075 H ²	32075 A ²
B-AIR 0706	1 1/2"	780	459	640	125	32	160	3x3,9	50075 S	50075 H ²	50075 A ²



quality class - solids (ISO 8573-1)	1	1	1 ¹⁾
quality class - oils (ISO 8573-1)	1	-	0/1
residual oil content	<0,01 mg/m ³	-	<0,005
pressure drop - new element-dry [mbar / psi]	80 / 1,160	see spec.	see spec.
pressure drop - new element-wet [mbar / psi]	190 / 2,756	-	-
change filter element at pressure drop [mbar / psi]	3 months		
filter media	borosilicate micro fibres	borosilicate micro fibres, hopcalite	borosilicate micro fibres, activated carbon
min. operating temperature (°C / °F)	1,5 / 35	1,5 / 35	1,5 / 35
max. operating temperature (°C / °F)	45 / 113	45 / 113	45 / 113

CORRECTION FACTORS

Operating pressure [bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0,38	0,50	0,63	0,75	0,88	1	1,13	1,25	1,38	1,50	1,63	1,75	1,88	2,00	2,13

¹⁾ Valid if "S" filter cartridge is installed upstream.