

PRODUCT DATASHEET

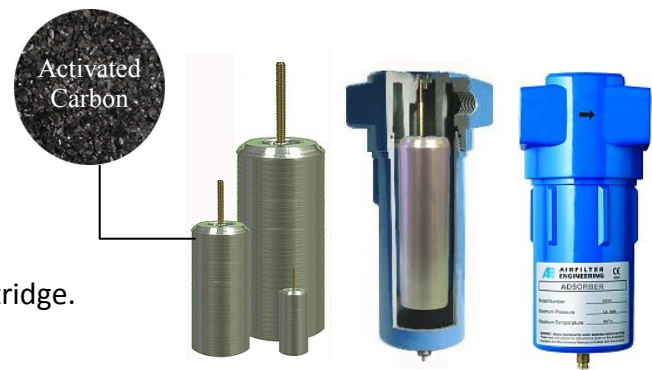
POINT-OF-USE ACTIVATED CARBON ADSORBER (G-SERIES)

FUNCTION

The function of the AFE point-of-use activated carbon adsorber is for the removal of oil vapor from compressed air systems. The adsorber utilizes a replaceable cartridge and is capable of removing oil vapour down to 0.003 mg/m³. For best results and performance, it is highly recommended that an H-Grade fine coalescing filter is installed at the inlet side of the adsorber.

FEATURES

- Convenient to use.
- Efficient removal of oil vapour.
- Long contact time.
- High adsorption capacity.
- Relatively low differential pressure.
- Easy replacement of activated carbon cartridge.
- Integrated pre and post filtration.



SPECIFICATIONS

Activated Carbon Adsorber Model	Conn. Size (Inch)	Flow Capacity (m ³ /h)*	Maximum Pressure (Bar)	Dimensions (mm)		Replacement Cartridge Model
				A	B	
G010A-S1-0-16B	1/2"	46	16	87	151	CA010A
G020A-S1-0-16B	1/2"	70	16	87	192	CA020A
G030A-S1-0-16B-D15	1/2"	101	16	87	263	CA030A
G055A-S1-0-16B	1"	183	16	130	285	CA055A
G095A-S1-0-16B-D25	1"	238	16	130	380	CA095A
G150A-S1-0-16B	1 1/2"	296	16	130	482	CA150A
G220A-S1-0-16B	1 1/2"	425	16	130	692	CA220A

* Refers to 1 bar (a) and 20°C at 7 bar (g) working pressure. Oil vapour removal down to 0.003 mg/m³. Maximum recommended inlet temperature of 50°C. Differential pressure of 0.15-0.40 bar.

CORRECTION FACTORS

	5 barg	6 barg	7 barg	8 barg	9 barg	10 barg	11 barg	12 barg
35°C	0.75	0.89	1.00	1.08	1.26	1.36	1.62	1.79
40°C	0.64	0.76	0.85	0.92	1.07	1.16	1.38	1.52
45°C	0.56	0.67	0.75	0.81	0.95	1.02	1.22	1.34
50°C	0.38	0.45	0.50	0.54	0.63	0.68	0.81	0.90

Components	Description
Housing Material	Aluminium Alloy
Cartridge Cylinder Material	Aluminium Alloy
Cartridge Content	Activated Carbon
Integrated Pre-Filtration	Non-woven Filter Material With SS Screen
Integrated Post-Filtration	Non-woven Filter material With SS Screen
Tie rod	Stainless Steel SS304

