FSCURTIS

POINT-OF-USE ADSORBER

G-SERIES

- Activated Carbon
- Desiccant

POINT-OF-USE ADSORBER

ACTIVATED CARBON ADSORBER

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/m^3. For best results and performance, it is highly recommended that a 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.

Activated Carbon

DESICCANT ADSORBER

FUNCTION :

The function of the AFE point-of-use desiccant adsorber is for small scale separation of humidity (water vapor) from compressed air systems. The adsorber utilizes a replaceable desiccant cartridge and is capable of achieving low pressure dew point of down to -40°C. For best results and performance, it is highly recommended that a H-Grade fine coalescing filter is installed at the inlet side of the adsorber.

FEATURES

- Convenient to use.
- Low pressure dew point.
- Long contact time.
- High adsorption capacity.
- Relatively low differential pressure.
- Easy replacement of desiccant cartridge.
- Integrated pre and post filtration.

Desiccant

ACTIVATED CARBON ADSORBER G- SERIES SPECIFICATIONS

Activated Carbon Adsorber Model	Conn. Size (Inch)	Flow Capacity (m³/h)*	Maximum Pressure (Bar)	Dimensions (mm)		Replacement Cartridge Model
				A	B	
POU-AC46	½″	46	16	87	151	CA010A
POU-AC70	½″	70	16	87	192	CA020A
POU-AC101	½″	101	16	87	263	CA030A
POU-AC183	1 ″	183	16	130	285	CA055A
POU-AC238	1″	238	16	130	380	CA095A
POU-AC296	1 ½″	296	16	130	482	CA150A
POU-AC425	1 ½″	425	16	130	692	CA220A

DESICCANT ADSORBER G- SERIES SPECIFICATIONS

Desiccant Adsorber Model	Conn. Size (Inch)	Volume Capacity (m³)*	Maximum Pressure (Bar)	Dimensions (mm)		Replacement Cartridge Model
				A	B	
POU-DA10	½″	10	16	87	263	CA030D
POU-DA30	1″	30	16	130	285	CA055D
POU-DA40	1″	40	16	130	380	CA095D
POU-DA65	1 ½″	65	16	130	482	CA150D
POU-DA105	1 ½″	105	16	130	492	CA220D

* Refers to 1 bar (a) and 20ºC at 7 bar (g) working pressure and 20ºC inlet temperatures. Pressure dew point achievable down to -40°C. Maximum recommended inlet temperature of 50°C. Differential pressure of 0.15-0.40 bar.

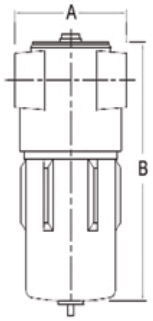
ACTIVATED CARBON ADSORBER CORRECTION FACTORS

	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

DESICCANT ADSORBER CORRECTION FACTORS

	4 barg	5 barg	6 barg	7 barg	8 barg	9 barg	10 barg
35°C	0.62	0.75	0.87	1.00	1.11	1.18	1.27
40°C	0.59	0.71	0.84	0.98	1.08	1.14	1.24
45°C	0.55	0.67	0.79	0.92	1.04	1.10	1.20
50°C	0.50	0.63	0.76	0.87	1.00	1.07	1.16

Components	Description	
	Activated Carbon Adsorber	Desiccant Adsorber
Housing Material	Aluminium Alloy	
Cartridge Cylinder Material	Aluminium Alloy	
Cartridge Content	Activated Carbon	Molecular Sieve (MS)
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	



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