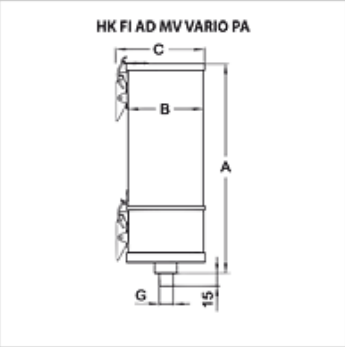
HK FI AD MV VARIO PA

Adsorber filter reusable with valve

Properties

Design	Reusable with activated charcoal filter, with valves high quality valve system Integrated filter element 3 µm stable aluminium-base
Connection	at bottom
Installation position	vertical
Temp. range	-40 °C to +70 °C
Material	Housing: Aluminium and acrylic Gasket: NBR





Note

Design bases are medium, air flow rate or clunk pick-up volume.
Other variants with housing in aluminum or stainless steel as well as for aggressive media are available on request.

Description

These reusable adsorber filters are used for the ventilation of hygroscopic substances of any kind.

Ordering information

For tank mounting the mounting flange HK FI AD FS must be ordered if necessary.

Additional information

In the adsorber the water molecules contained in the air are bounded in the pores of the adsorbent (silica gel). The saturation (charging) and then the necessary replacement of the filter cartridge is indicated by a color change from orange to green.
The desing of the reusable adsorber filters, in combination with the activated carbon allows an unlimited number of regenerations of the adsorbents. Additionally, the valve system protects against unnecessary water uptake from the ambient air during the downtime. This allows longer periods of use.
Silica gel consists of about 99 % of silicon dioxide (SiO2) and is classified as a synthetic polar and hydrophilic desiccant. It possesses due to its high porosity, a large internal surface area of up to 800 m2/g.This enables a very high water holding capacity.
In adsorber filters silica gel is often added with a color indicator. Color changes indicate the water content and therefore the progress of the loading of the desiccant.
According to EU legislation (Regulation EC No 1272/2008) silica gel is not classified as a dangerous substance. It is not subject to classification according to EC Directives (67/548/EEC and 1999/45/EC). Silica gel is not among the health and environmentally hazardous substances.

Item

Identification	Air volume (L/min)	(L)	for tank size	(kg)	A (mm)	B (mm)	C (mm)	G	Weight (kg)
HK FI AD 310 MV N AF VPA	20	0,38	100 - 600 litres	0,8	311,0	110,0	148,0	G 3/4"	2,3
HK FI AD 330 MV N AF VPA	40	0,48	100 - 600 litres	1,2	412,0	110,0	148,0	G 3/4"	3,0
HK FI AD 510 MV N AF VPA	100	0,80	600 - 1800 litres	2,0	329,0	150,0	187,0	G 1"	4,6
HK FI AD 560 MV N AF VPA	210	1,72	1800 - 3600 litres	4,3	549,0	150,0	187,0	G 1"	7,9

Air volume: Recommended air throughput for optimum drying efficiency

Accessories

HK FI AD FS	Mounting flange for adsorber
HK FI AD FS BY	Mounting flange for adsorber
HK FI AD FS FILL	Mounting flange for adsorber

Spare parts

HK FI AD ETS	Refill-kit for reusable adsorber
HK FI AD SK	Adsorbent silicagel

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