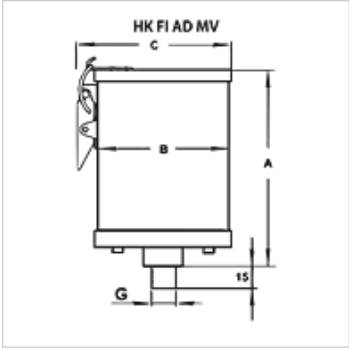
HK FI AD MV

Adsorber filter reusable with valve

Properties

Design	Reusable with activated charcoal filter, with valves Integrated filter element 3 µm
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.

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 005 MV N AF	5	0,12	≤ 100 litres	0,3	173,0	90,0	128,0	G 3/4”	1,0
HK FI AD 010 MV N AF	10	0,20	≤ 100 litres	0,5	231,0	90,0	128,0	G 3/4”	1,3
HK FI AD 020 MV N AF	20	0,36	100 - 600 litres	0,9	245,0	110,0	149,0	G 3/4”	1,8
HK FI AD 040 MV N AF	40	0,56	100 - 600 litres	1,4	345,0	110,0	149,0	G 3/4”	2,5
HK FI AD 100 MV N AF	100	0,76	600 - 1800 litres	1,9	260,0	150,0	187,0	G 1"	3,5
HK FI AD 180 MV N AF	180	1,24	600 - 1800 litres	3,1	360,0	150,0	187,0	G 1"	5,1

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

Despite careful checking, we cannot guarantee the accuracy of all information included on this site, and we accept no liability.