Adsorber Cartridges
for Filter Housings

Vapour Adsorption

Coalescing filter elements will only remove liquid aerosols and droplets. If there is a liquid in vapour form to be removed then an adsorber cartridge should be used in an additional housing as a final stage.

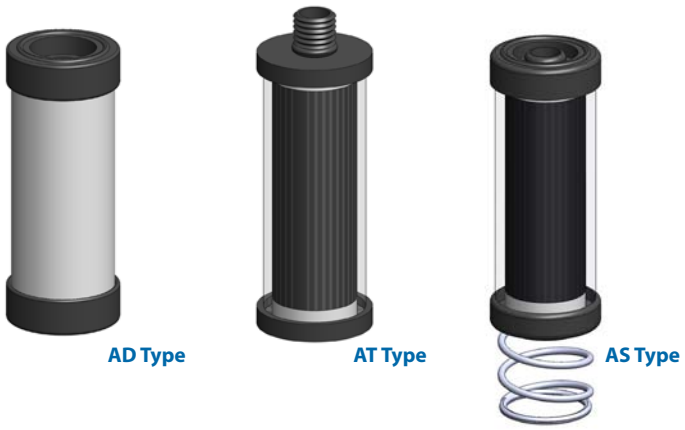
Adsorption cartridges can also be used to remove elements of a gas, for example acidic gases. A range of adsorber materials are available and these are listed below.

Cartridge Types

We have three different styles of adsorber cartridge available - each designed for a particular filter housing.

The AD and AT types can be installed into a standard housing. The AS is designed for small stainless steel housings and to install this type the housing tie rod should be removed.

Refer to the housing data sheets to select the correct size and type of cartridge required.



AD Type AT Type AS Type

Technical Specifications

Housing Model (1)	☐.AD	☐.AT	☐.AD
Maximum Temperature, ºC	50	50	50
Materials of Construction (1)			
Body	Microfibre Filters	Acrylic	Acrylic
End Caps	PA	PA	PA
Filter Pads	-	PE	PE
Adsorber (see table below)			

Standard Sizes

12.32. ☐ 12.57. ☐ 25.64. ☐ 25.178. ☐ 32.152. ☐ 51.230. ☐ 51.476. ☐

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO_2, NH_3, H_2S, SO_x
04	Molecular Sieve 13X	Removal of CO_2, NH_3, H_2S, SO_x, aromatics, amines
05	Silica Gel	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO_2, SO_X, NO_X, HCl
07	Potassium Permanganate	Removal of SO_X and other acidic gases
08	Hopcalite	Removal of CO by catalytic oxidation to CO_2

Notes

(1) Replace the ☐ with the adsorber required, e.g. 12.57.AS01