

Vapour Adsorption Cartridges

Vapour Adsorption Cartridges

Coalescing filter elements will only remove liquid aerosols and droplets. If there is a liquid in vapour form to be removed then a cartridge should be used in another 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.

Part Numbers and Dimensions

All adsorber cartridges have a part number arranged in three sections, for example, 25.64.AD01. The first part refers to the inside diameter of the cartridge in millimetres, the second figure refers to the overall length in millimetres and the third part is the designation for the cartridge type and the adsorber.

Standard Sizes

12.32.□ 25.64.□ 38.152.□ 51.476.□
12.57.□ 25.178.□ 51.230.□ 63.762.□

Replace the □ in the part numbers shown with the grades below.

Flow rates

Flow rates are the same as for grade 5 elements in the same size. However, with adsorption more important considerations will be the volume of adsorbent and the contact time.

Standard Type Cartridges

Grade	Adsorber	Principle uses
AD01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
AD02	Activated carbon cloth	Removal of hydrocarbons and other organic vapours
AD03	Molecular Sieve 4A	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x
AD04	Molecular Sieve 13X	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
AD05	Silica Gel	Removal of water vapour
AD06	Mixed Bases	Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl
AD07	Potassium Permanganate	Removal of SO _x and other acidic gases
AD08	Hopcalite	Removal of CO by catalytic oxidation to CO ₂



25.64.AD01

Threaded Type Cartridges

Grade	Adsorber	Principle uses
AT01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
AT02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
AT03	Molecular Sieve 4A	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x
AT04	Molecular Sieve 13X	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
AT05	Silica Gel	Removal of water vapour
AT06	Mixed Bases	Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl
AT07	Potassium Permanganate	Removal of SO _x and other acidic gases
AT08	Hopcalite	Removal of CO by catalytic oxidation to CO ₂



12.32.AT01

Box Quantities - Cartridges are supplied in boxes of one.