

Vapour Adsorption

Our in-line Adsorption Housings are for the adsorption of various liquids within a gas stream and provide a simple, low-cost solution. Adsorption columns can also be used to remove specific elements of a gas, for example acidic gases.

The media can easily be replaced as the housings have a threaded connection and o-ring seals at each end. Replaceable filter pads are included to contain the media and also remove any loose particles from the granules.

It is recommended to use a coalescing filter housing as a pre-filter to remove liquid aerosols and droplets.

Granular Adsorber Media

A range of granular adsorber materials are available and these are listed below, together with the principle uses. We are pleased to advise about any special applications you may have.

The media is supplied in resealable plastic containers and two sizes are available, 1 litre or 4 litres.



Technical Specifications

Housing Model	NAD.38.150	NAD.38.150	NAD.50.200	NAD.50.350	NAD.70.250	NAD.70.450	NAD.70.650	NAD.100.450	NAD.100.650
Port Sizes	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, psi	90	90	70	70	40	40	40	30	30
Maximum Temperature, °F	120	120	120	120	120	120	120	120	120
Materials of Construction									
Body	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
End Caps	POM	POM	POM	POM	POM	POM	POM	POM	POM
Filter Pads	PE	PE	PE	PE	PE	PE	PE	PE	PE
Principle Dimensions									
Diameter	1.50	1.50	1.95	1.95	2.75	2.75	2.75	3.95	3.95
Height	5.90	5.90	7.85	13.80	17.70	17.70	25.60	17.70	25.60
Volume, cc	80	80	215	440	610	1255	1900	2700	4100

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x
04	Molecular Sieve 13X	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
05	Silica Gel (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	Removal of water vapour
06	Mixed Bases (SodaLime)	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



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