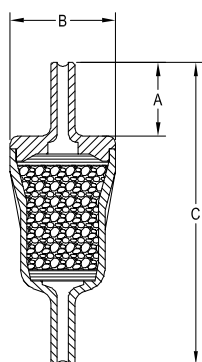


Disposable In-Line Adsorbers

Wide range of adsorbents
 Four body sizes available
 Disposable for convenience
 No handling of loose adsorbents



Headline Disposable In-Line Adsorbers consist of nylon bodies filled with granular adsorption material with integral inlet and outlet filter pads. Four sizes are available, containing from 6cc up to 120cc of adsorbent.

Flow rates are the same as for grade 50 elements in the same size bodies. However, with adsorption, more important considerations will be the volume of adsorbent and the contact time.

A range of adsorbent materials is available, and these are detailed below.

Principal Specifications

Housing Model (1)	DIA-MNxx	DIA-Nxx	DIA-BNxx	DIA-INxx	DIA-LNxx
Main Connections - mm	ø6.3	ø6.3	ø6.3	ø6.3	ø12.5
Maximum Pressure - Bar	8.5	8.5	8.5	7	7
Maximum Temperature					
°C - at 0 Bar	110	110	110	110	110
°C - at maximum pressure	50	50	50	50	50
Materials of Construction					
Body	Nylon	Nylon	Nylon	Nylon	Nylon
Principal Dimensions					
A - mm	8.3	19.5	20	19.5	30
B - mm	25.5	28	25.5	36.5	58
C - mm	45	80.5	84	117	139
Volume - cc	6	11	11	53	120

Note (1) Replace 'xx' with adsorbent grade required, CC, 4A, 13X, SG, MB, PP, HO e.g. DIA-MNCC, DIA-NPP, DIA-LN4A

Adsorbent	Code	Principal Uses
Activated Carbon	CC	Adsorption of hydrocarbons and other organic vapours
Molecular Sieve 4A	4A	Adsorption of CO ₂ , NH ₃ , H ₂ S, SO _x
Molecular Sieve 13X	13X	Adsorption of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
Silica Gel	SG	Adsorption of water vapour
Mixed Bases	MB	Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl
Potassium permanganate	PP	Removal of SO _x and other acidic gases
Hopcalite	HO	Removal of CO by catalytic oxidation to CO ₂