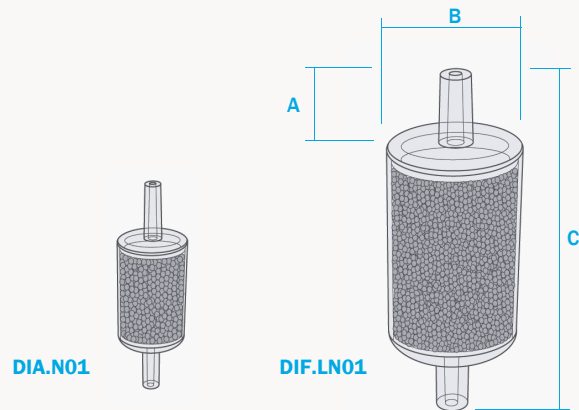


Disposable In-Line Adsorbers - DIA

Polyamide or PVDF
Pressure, 8 Bar
1/4" or 1/2" Spigots or 1/4"NPT



Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. Two body sizes are available, containing approximately 11cc and 110cc of adsorbent.

Flow rates are the same as for grade 5 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 adsorber materials are available, these are listed below.

Principal Specifications

Housing Model (1)	DIF.N□	DIF.K□	DIF.LN□	DIF.LN□.201	DIF.LK□	DIF.LK□.201
Connection Size	Ø1/4"	Ø1/4"	Ø1/2"	1/4"NPT	Ø1/2"	1/4"NPT
Maximum Pressure - Bar	8	8	8	8	8	8
Maximum Temperature						
°C at 0 Bar	110	120	110	110	120	120
°C at Maximum Pressure	50	50	50	50	50	50
Materials of Construction (2)						
Body	PA	PVDF	PA	PA	PVDF	PVDF
Adsorber (see below)						
Principal Dimensions						
A - mm	20	20	24	24	24	24
B - mm	25	25	51	51	51	51
C - mm	83	83	127	127	127	127
Volume - cc	11	11	110	110	110	110

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 ₂ S, SO _x
04	Molecular Sieve 13X	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
05	Silica Gel	Removal of water vapour
06	Mixed Bases	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 grade required, e.g. 01, 03, 05 etc.

(2) Material abbreviations - PA = Polyamide, PVDF = Polyvinylidenedifloride