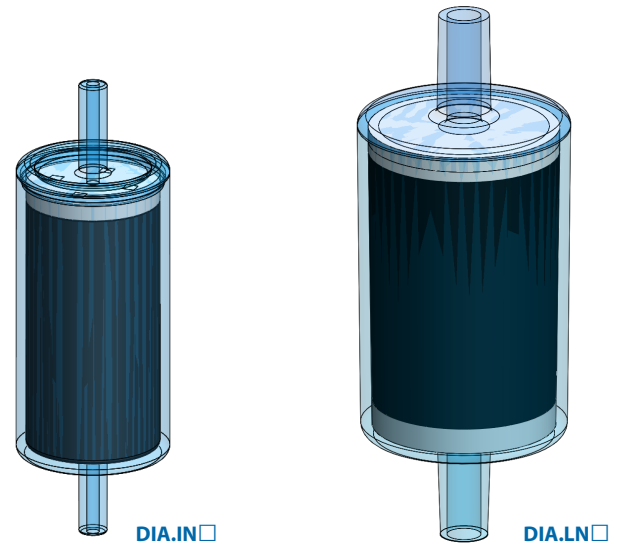


Materials Polyamide & PVDF
Pressure Up to 115 psi
Ports 1/4" or 1/2" Spigots
Adsorbers Various

Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. Four body sizes are available giving a range of volumes.

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. Replace the □ in the part number with the type required.



Technical Specifications

Housing Model (1)	DIA.IN□	DIA.IK□	DIA.LN□	DIA.LN□.201	DIA.LK□	DIA.LK□.201
Port Spigot Size	Ø 1/4"	Ø 1/4"	Ø 1/2"	1/4" NPT(M)	Ø 1/2"	1/4" NPT(M)
Maximum Pressure, psi	115	65	115	115	65	65
Maximum Temperature, °F						
At 0 psi	230	230	230	230	230	230
At Maximum Pressure,	120	120	120	120	120	120
Materials of Construction (2)						
Body	PA	PVDF	PA	PA	PVDF	PVDF
Adsorber (see table below)						
Principle Dimensions in inches						
Diameter	1.45	1.45	2.00	2.00	2.00	2.00
Body Length	2.90	2.90	2.95	2.95	2.95	2.95
Spigot Length	0.79	0.79	0.94	0.94	0.94	0.94
Volume, cc	50	50	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 (Blue)	Removal of water vapour
05a	Silica Gel (Orange)	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 conversions to CO ₂
11	Activated Carbon Granules	Removal of Glycol
12	Calcium Carbonate	Gas Scrubbing
14	Copper Sulphate	Removal of Ammonia
15	Ferrous Sulphate	Gas Scrubbing

Notes

(1) Replace the □ with the adsorber required, e.g. DIA.N01

(2) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidene difluoride



Contact Us

Classic Filters Ltd.
Sextant Park
Neptune Close
Rochester
Kent
England
ME2 4LU

T +44 (0)1634 724224
F +44 (0)1634 724234
E info@classicfilters.com
W www.classicfilters.com

Follow Us



[http://www.linkedin.com/company/classic-filters-ltd.](http://www.linkedin.com/company/classic-filters-ltd)



<http://www.twitter.com/classicfilters>