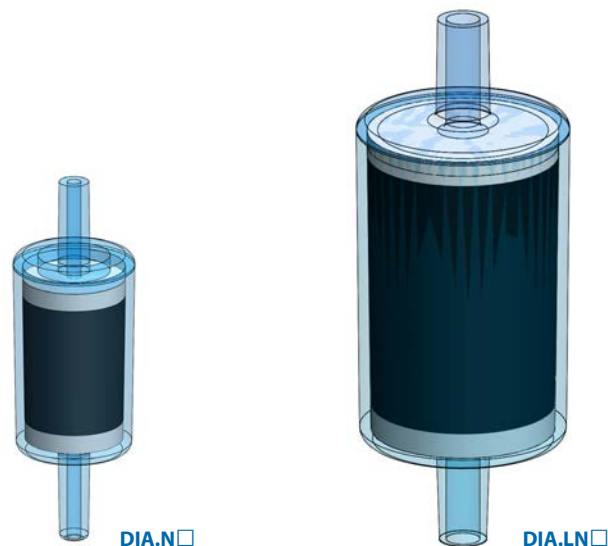


Materials Polyamide & PVDF
Pressure Up to 8 Bar
Ports 1/4" or 1/2" Spigots
Adsorbers Various

Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. 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. Replace the □ in the part number with the type required.



Technical Specifications

Housing Model (1)	DIA.N□	DIA.N□.6mm	DIA.K□	DIA.K□.6mm	DIA.LN□	DIA.LN□.201	DIA.LK□	DIA.LK□.201
Port Size	Ø 1/4" Spigot	Ø 6mm Spigot	Ø 1/4" Spigot	Ø 6mm Spigot	Ø 1/2" Spigot	Ø 1/4" NPT(M)	Ø 1/2" Spigot	Ø 1/4" NPT(M)
Maximum Pressure, Bar	8	8	4	4	8	8	4	4
Maximum Temperature, °C								
At 0 Bar	110	110	120	120	110	120	110	120
At Maximum Pressure	50	50	50	50	50	50	50	50
Materials of Construction (2)								
Body	PA	PA	PVDF	PVDF	PA	PA	PVDF	PVDF
Adsorber (see table below)								
Principal Dimensions in mm								
Diameter	25	25	25	25	51	51	51	51
Body Length	43.5	43.5	43.5	43.5	79	79	79	79
Spigot Length	20	20	20	20	24	24	24	24
Volume, cc	11	11	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 (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

Notes

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

(2) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidenedifluoride