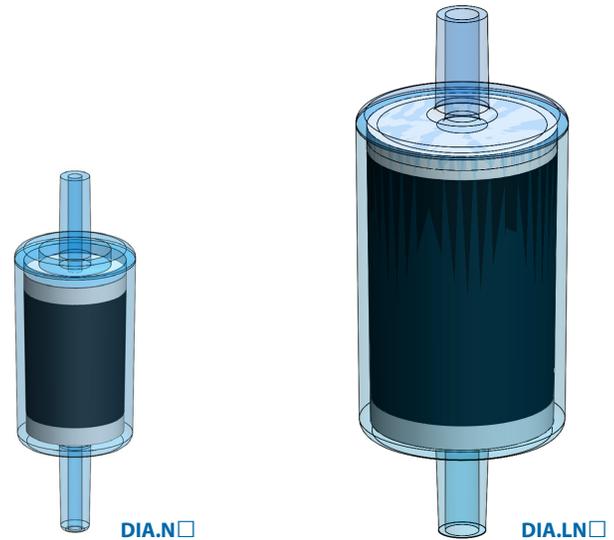


**Materials** Polyamide & PVDF  
**Pressure** Up to 115 psi  
**Ports** 1/4" or 1/2" Spigots  
**Adsorbers** Various

Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. Two body sizes are available, containing approximately 11 cc and 110 cc 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	1/4" NPT(M)	ø 1/4" Spigot	1/4" NPT(M)
<b>Maximum Pressure, psi</b>	120	120	60	60	120	120	60	60
<b>Maximum Temperature, °F</b>								
At 0 psi	230	230	250	250	230	250	230	250
At Maximum Pressure,	120	120	120	120	120	120	120	120
<b>Materials of Construction (2)</b>								
Body	PA	PA	PVDF	PVDF	PA	PA	PVDF	PVDF
Adsorbent (see table below)								
<b>Principle Dimensions in inches</b>								
Diameter	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00
Body Length	1.70	1.70	1.70	1.70	2.95	2.95	2.95	2.95
Spigot Length	0.79	0.79	0.79	0.79	0.94	0.94	0.94	0.94
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
03	Molecular Sieve 4A	Removal of CO <sub>2</sub> , NH <sub>3</sub> , H <sub>2</sub> S, SO <sub>x</sub>
04	Molecular Sieve 13X	Removal of CO <sub>2</sub> , NH <sub>3</sub> , H <sub>2</sub> S, SO <sub>x</sub> , 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 <sub>2</sub> , SO <sub>x</sub> , NO <sub>x</sub> , HCl
07	Potassium Permanganate	Removal of SO <sub>x</sub> and other acidic gases
08	Hopcalite	Removal of CO by catalytic oxidation to CO <sub>2</sub>

#### Notes

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

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