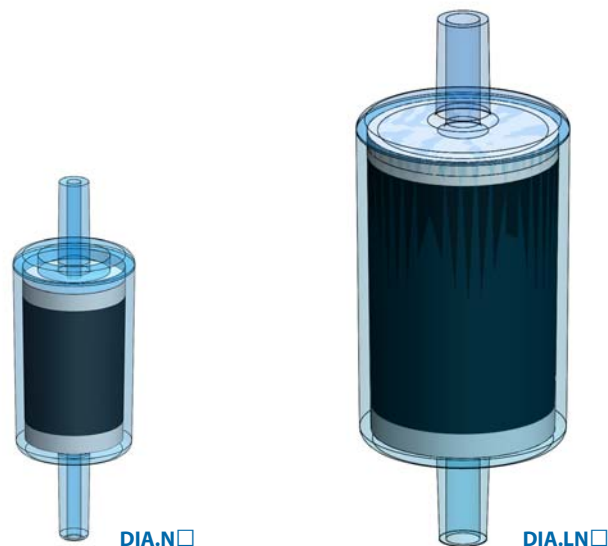


**Materials** Polyamide & PVDF  
**Pressure** 8 Bar  
**Ports** 1/4" or 1/2" Spigots  
**Adsorbers** Various

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 grade required.



### Technical Specifications

Housing Model (1)	DIA.N□	DIA.K□	DIA.LN□	DIA.LN□.201	DIA.LK□	DIA.LK□.201
Port Size	∅ 1/4" Spigot	∅ 1/4" Spigot	∅ 1/2" Spigot	1/4" NPT(M)	∅ 1/4" Spigot	1/4" NPT(M)
<b>Maximum Temperature, °C</b>						
At 0 Bar	80	80	80	80	80	80
At Maximum Pressure,	50	50	50	50	50	50
<b>Materials of Construction (1)</b>						
Body	PA	PVDF	PA	PA	PVDF	PVDF
Adsorber (see table below)						
<b>Principal Dimensions in mm</b>						
Diameter	25	25	51	51	51	51
Body Length	96.5	96.5	79	79	79	79
Spigot Length	20	20	24	24	24	24
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 <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	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