

## Classic Filters

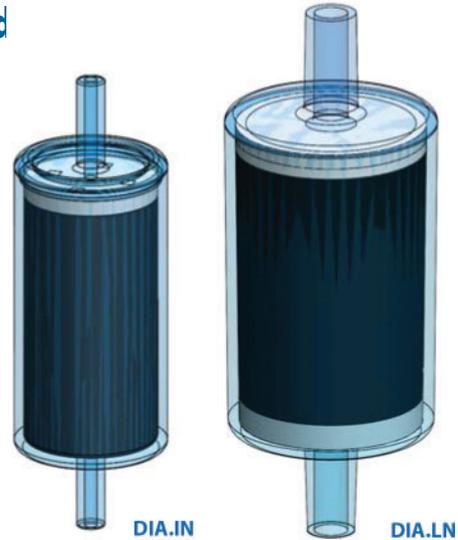
### DIA (I,L) Small Disposable In-Line Ad 1/4" or 1/2" Spigots, Pressure to 115 PSI (8 Bar)

#### DESCRIPTION

Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. A selection of 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.



SPECIFICATIONS TABLE 1						
Housing Model	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)
Max. Pressure, PSI (bar)	115 (8)	65 (4)	115 (8)		65 (4)	
Max. Temperature, °F (°C)						
At 0 Pressure	230 (110)					
At Maximum Pressure	122 (50)					
Materials of Construction						
Body	PA	PVDF	PA		PVDF	
Adsorber Material	See Table 2					
Principal Dimensions in mm						
Diameter	36.5		51			
Body Length	73.5		79			
Spigot Length	20		24			
Volume, cc	50		110			

#### ADSORBER MATERIALS

Coalescing filter elements will only remove liquid aerosols and droplets. If there is a liquid in vapor form to be removed then an adsorber cartridge should be used as a final stage. Adsorption cartridges can also be used to remove elements of a gas, for example acidic gases. A range of adsorber materials are available and these are listed below.

#### ORDERING INFORMATION

- 1) Select Housing Model (Table 1)
- 2) Select Adsorber Grade Number (Table 2)

Part number example for 1/4" spigot size: DIA.K.05

Part number example for 6 mm spigot size: DIA.K.6mm.05

## ADSORBER GRADES TABLE 2

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapors
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapors
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 vapor
05a	Silica Gel (Orange)	Removal of water vapor
06	Mixed Bases (Soda Lime)	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 conversions to CO <sub>2</sub>
11	Activated Carbon Granules	Removal of Glycol
12	Calcium Carbonate	Gas Scrubbing
14	Copper Sulphate	Removal of Ammonia
15	Ferrous Sulphate	Gas Scrubbing

See the complete catalog of Classic Filter products on our website for details regarding:

- Product selection guides, construction and specification details
- Complete range of particulate and coalescing type filter cartridges and media products
- Complete range of adsorber cartridges and media products



Take a look at our comprehensive product range to see if we have what you need to solve your filtration problems. If not, get in touch and we will make it for you, according to your particular specifications and requirements.