INLINE FILTER HOUSINGS

Allied Air Products and Services

High-efficiency cyclonic separators to remove condensed water droplets, with very low pressure drop. They provide added protection and improved performance for dryers and filters. Typically, water separators are installed downstream of after coolers and air receivers but before the inline air filters.

Inline compressed air filters are used for efficient removal of solid particles, water, oil and odours from compressed air in industrial applications. The type and size of filter required depends on the flow and the air quality needed for the application. New push fit element design makes maintenance a breeze.

Cyclonic Water Separators

Model	Pipe	CFM	Dimensions (mm)				Weight
	BSP	@ 7 bar	A	B	C	D	kg
CS15	3/8	70	187	88	21	60	0.7
CS20	1/2	91	187	88	21	60	0.7
CS30	3/4	138	257	88	21	80	0.8
CS55	1	215	262	125	33	100	1.9
CS150	1 1/2	452	452	125	33	140	2.8
CS290	2	753	695	163	43	520	5.3
CS430	2 1/2	1447	695	163	43	520	9.2
CS775	3	1677	795	240	59	630	13.4

CS55 to CS775 come with DV20B zero loss external float drain

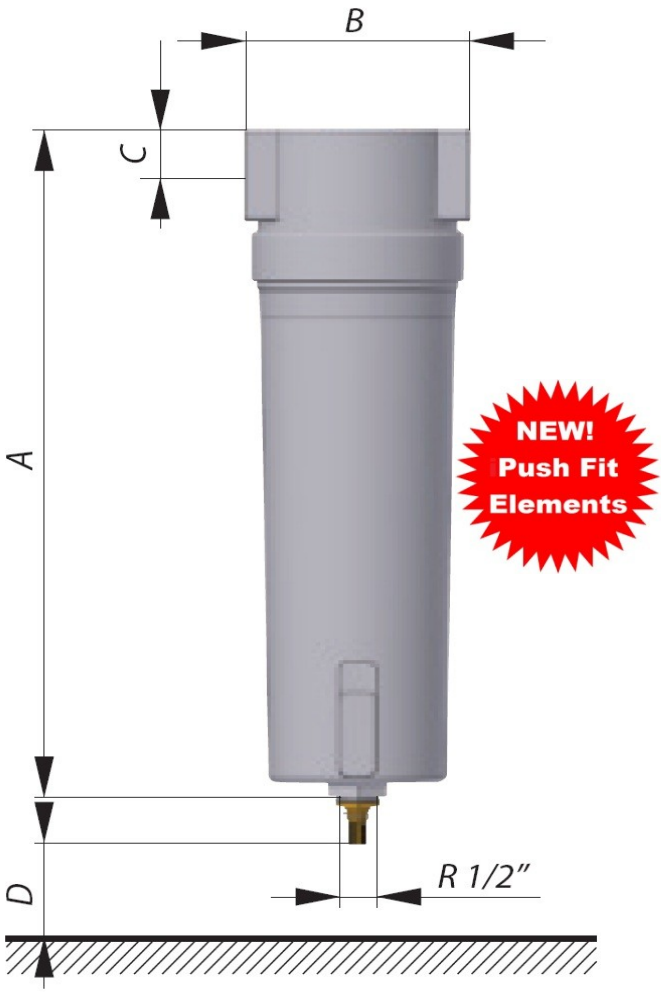
High Efficiency Filter Housings

Model	Pipe	CFM	Dimensions (mm)				Weight
	BSP	@ 7 bar	A	B	C	D	kg
G15*	3/8	35	187	88	20	60	0.7
G20*	1/2	46	187	88	20	60	0.7
G30*	3/4	70	257	88	20	80	0.8
G55*	1	116	263	125	32	100	1.8
G95*	1	197	363	125	32	120	2.5
G150*	1 1/2	300	461	125	32	140	2.5
G220*	1 1/2	459	640	125	32	160	3.2
G290*	2	588	684	163	43	520	5.1
G410*	2	882	935	163	43	770	7.1
G430*	2 1/2	990	935	163	43	770	6.9
G625*	3	1270	795	240	59	630	12.9
G775*	3	1620	1000	240	59	780	14.0

Replace the * with the grade of filtration required either P, U, H or C.
EXAMPLE: For 1 micron Housing G220* will be G220U

Grades of Filtration

Specification	P	U	H	C
Designation	**Pre Filter**	**General Purpose**	**Oil Removal**	**Activated Carbon**
Element Colour Code	GREEN	BLUE	RED	SILVER
Particle Removal (Micron)	3	1	0.01	0.01
Max. Oil Carryover @ 20°C (mg/m³)	-	0.1	0.01	0.005
Max. Working Temperature (°C)	65°C	65°C	65°C	45°C
Initial Pressure Loss (mbar)	40	50	80	90
Pressure Loss for Element Change (mbar)	600	600	600	6 months
Max. Working Pressure (bar g)	16	16	16	16



SPECIFICATIONS

Max Operating Pressure	- 16 bar or 232 psi
Operating Temperature Range	- 1.5 to 65°C
Material of Construction	- Cast Aluminium
Filter Element Supplied	- Yes
Auto Drain Supplied	- Yes
External Protection	- Powder Coated
D.P. Gauge Supplied	- No (optional)
Sight Glass Supplied	- No (optional)

To find the flow rate at pressures other than 7 bar, multiply the stated flow above by the corresponding correction factor in the table below.

CORRECTION FACTORS															
Operating Pressure **(bar)**	2	3	4	5	6	**7**	8	9	10	11	12	13	14	15	16
Operating Pressure **(psi)**	29	44	58	72	87	**100**	115	130	145	160	174	189	203	218	232
Aluminium Filter Correction Factor	0.38	0.5	0.63	0.75	0.88	**1**	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13
Cyclonic Separator Correction Factor	0.53	0.65	0.76	0.84	0.92	**1**	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51