

Ultramax G Series Compressed Air Filter Housing

Better endurance, Higher efficiency.
Lower pressure drop.
More port size options.

Filtration

Our Compressed Air Filters have been designed to remove airborne contamination in compressed air systems, delivering energy efficient operation and reliable performance.

Due to the usage of advanced deep pleating techniques, the filtration area has increased remarkably which leads to better filtration and higher dirt holding capacity.

Features

The air filters have 4 ranges of efficiencies, removing down to 0.01 micron at up to 235 psi (16 bar) - 1/4" to 3" NPT/BSP pipe sizes. A protected auto float drain (2mm orifice) is standard for the reliable removal of liquid contaminants.

The G Series, zero-porosity aluminium housing, with an epoxy powder-coat finish, and corrosion-resistant internal coating provide a long service life. These filter housings may be equipped with differential pressure gauges for easy maintenance and energy efficiency.

Ultramax compressed air filters are always recommended with these systems. Filter combinations are configured to meet specific application requirements. Filters comply with PED and perform as per related ISO 8573 standards.



Technical Specifications of Ultramax G Series

Housing Model	Connection Sizes	Flow Rate		Max Working Pressure bar	Element Model	Housing Dimensions (mm)				
		m³/h	scfm			A	B	C	D	E
G20	1/4"	20	12	20	M20	75	195.5	177.5	125	36.5
G40	3/8"	40	24	20	M40	75	195.5	177.5	125	36.5
G50	3/8"	50	29	20	M50	102	219.5	197.5	125	45
G100	1/2"	100	59	20	M100	102	257.5	235.5	165	45
G150	3/4"	150	88	20	M150	123	302.5	275.5	205	45
G200	3/4"	200	118	20	M200	123	366.5	339.5	265	45
G250	1"	250	147	20	M250	123	392.5	379.5	315	45
G300	1"	300	177	20	M300	123	463	427.5	365	45
G500	1 1/4"	500	294	20	M500	123	493	457.5	395	45
G600	1 1/2"	600	353	20	M600	123	538	502.5	440	45
G851	2"	851	501	20	M851	160	625.5	583.8	495	45
G1210	2"	1210	712	20	M1210	160	695.5	653.8	565	45
G1520	2 1/2"	1520	895	20	M1520	194	730	672	445	45
G1820	3"	1820	1071	20	M1820	194	870	813	565	45
G2220	3"	2220	1307	20	M2220	194	924	867	615	45
G2620	3"	2620	1540	20	M2620	194	1068	1,011	695	45

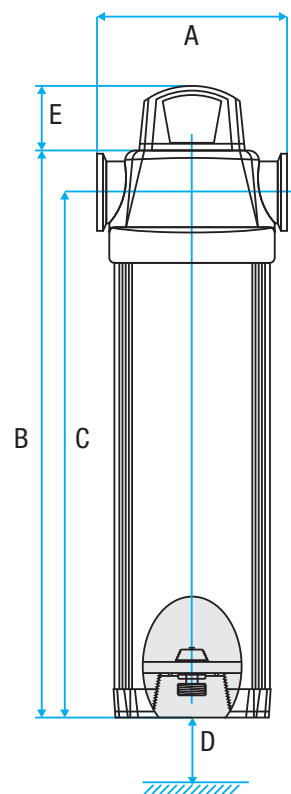
Indicator type:

- Gauge with or without electrical contact

Drain type:

- Electro - adjustable
- External float type
- Internal automatic
- Manual

Filter Element Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon
Grade	P	X	Y	A
Particle removal (micron)	5	1	0.01	0.01
Max. oil carry-over at 21°C (mg/m³)	5	0.5	0.01	0.003
Max. working temperature (°C)	80	80	80	25
Initial pressure loss (mbar)	40	80	100	80
Pressure loss for element change (mbar)	700	700	700	700
Element colour code	Green	Blue	Red	Metal SS





Correction Factor

For maximum flow rate, multiply model flow rate shown on the technical specifications table (previous page) by the correction factor corresponding to the working pressure.

Operating Pressure (bar)	1	3	5	7	9	11	13	15	16
PSI	15	44	73	100	131	160	189	218	247
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.44	1.57

Notes

1. Grade A must not operate in oil saturated conditions.
2. Grade A elements should be replaced periodically to suit your application. They must be changed at least every six months.
3. Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please contact Ultramax Systems if in doubt.
4. Flow rates are based on a 7 bar operating pressure. For flows at other pressures use correction factor given above.
5. All filters are suitable for use with mineral and synthetic oils.
6. Gauge type pressure indicators are fitted to models G24 to G2620 as standard.
7. All filters are in conformity with the Pressure Equipment Directive (97/23/EC)

The complete filter model number contains the size and grade.

Example: 1" general purpose filter model G250MX with replacement filter element model M250X.
250 Represent 250m³/h capacity and X represents the general purpose element.