

Downstream Equipments

HGO Series

HGO25 / 50 / 100 / 150 / 200 / 250 / 300 / 500 / 600 / 851 /
1210 / 1520 / 1820 / 2220 / 2700

hertz[®]
KOMPRESSOREN



Filters

The compressed air coming from compressor may contain unwanted elements such as oil, dust and humidity. The air in the external environment will also affect the quality of the final product. This air must be filtered prior to the final stage of production.

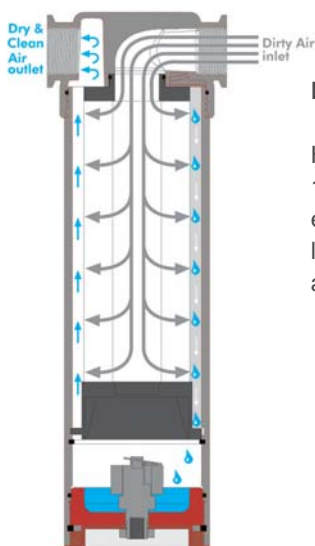
Hertz Compressed Air Filters

Hertz Compressed Air Filters have been designed to answer the current requirements of compressed air filtering. It enables more comfortable usage for end user better endurance, higher efficiency with lower pressure drop and more port size options.

Features

The air filters have 4 ranges of efficiencies, 235 psi (16 barg) - 1/4" to 3" NPT/BSP pipe sizes. A protected auto float drain (2mm orifice) is standard for reliable removal of liquid contaminants. Zero-porosity aluminum and durable epoxy powder-coat finish, along with a corrosion resistant internal coating gives long service life. Filter combinations are configured to meet specific application requirements. Filter comply with PED and perform as per related ISO 8573 standards.

These filters are equipped with differential pressure gauges for easy maintenance and energy efficiency.



Element Features

Hertz offers Superior protection - from 1 micron to 0,01 micron. Durable element construction and efficient drain layer ensures continued performance after optimal element change.



1- Deep pleating also enables a lower pressure drop

2- Supreme collapse resistance due to usage of fluted stainless tube provides strength against pressure drops while improving the performance by passing air diagonally through the element.

3- PVC impregnated foam favours Water / Oil drainage

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SPECIFICATIONS



Model	Connection Sizes	Flow Rate		Max. working pressure (barg)	Element Model	Housing Dimensions (mm)			
		(m³/h)	(scfm)			A	B	C	D
HGO25	1/2"	25	15	16	MO25	102	214,5	192,5	45
HGO50	1/2"	50	30	16	MO50	102	214,5	192,5	45
HGO100	1/2"	100	59	16	MO100	102	252,5	230,5	45
HGO150	1"	150	88	16	MO150	123	297,5	270,5	45
HGO200	1"	200	118	16	MO200	123	361,5	334,5	45
HGO250	1"	250	147	16	MO250	123	401,5	374,5	45
HGO300	1 1/2"	300	176	16	MO300	123	458	422,5	45
HGO500	1 1/2"	500	294	16	MO500	123	488	452,5	45
HGO600	1 1/2"	600	353	16	MO600	123	533	497,5	45
HGO851	2"	851	500	16	MO851	160	622,5	581	45
HGO1210	2"	1210	712	16	MO1210	160	692,5	651	45
HGO1520	3"	1520	895	16	MO1520	194	725,5	669	45
HGO1820	3"	1820	1070	16	MO1820	194	865	808	45
HGO2220	3"	2220	1305	16	MO2220	194	919,5	863	45
HGO2700	3"	2700	1588	16	MO2700	194	1063,5	1007	45

DRAIN TYPE: Electro - adjustable / External float type / Zero-loss drain / Manual

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 carryover 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

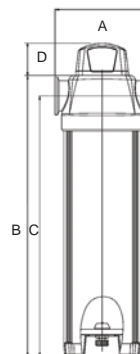
Operating Pressure (barg)	1	3	5	7	9	11	13	15	16
PSIG	15	44	73	100	131	160	189	218	247
Correction Factor	0,5	0,71	0,87	1	1,12	1,22	1,32	1,44	1,57

NOTES

- 1) Grade A must not operate in oil saturated conditions.
- 2) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 3) Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works 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 GO25 to GO2700 as standard.
- 7) All filters are in conformity with the Pressure Equipment Directive (97/23/EC)

ORDERING

The complete filter model number contains the size and grade, example - 1" general purpose filter model GO250MX with replacement filter element model M250X. 250 Represent 250m3 / h capacity and x represents the general purpose element.



Correction Factor

For maximum flow rate, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

