

Coalescing Line Filters With Indicator

HGO US Series

HGO US 15 / 30 / 60 / 90 / 120 / 150 / 175 / 300 / 350 / 500 / 700 / 900 / 1100 / 1300 / 1600

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.

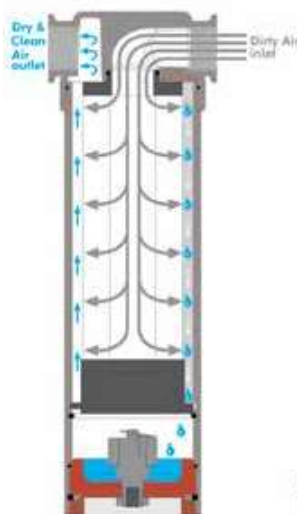
Hertz Compressed Line Filters

Hertz Compressed Line 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 line filters have 4 ranges of efficiencies, 235 psi - 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 favors Water / Oil drainage

SPECIFICATIONS

Model	Capacity		Connection Size	Max. Working Pressure	Element Model	Housing Dimensions (in.)			
	m ³ /min	cfm		psi		A	B	C	D
HGO US 15	0.42	15	1/4" NPT	290	HO US 15	4	8.4	7.6	1.7
HGO US 30	0.85	30	3/8" NPT	290	HO US 30	4	8.4	7.6	1.7
HGO US 60	1.70	60	1/2" NPT	290	HO US 60	4	10	9	1.7
HGO US 90	2.55	90	3/4" NPT	290	HO US 90	4.8	11.7	10.6	1.7
HGO US 120	3.40	120	3/4" NPT	290	HO US 120	4.8	14.2	13	1.7
HGO US 150	4.25	150	1" NPT	290	HO US 150	4.8	15.8	14.7	1.7
HGO US 175	4.96	175	1 1/4" NPT	290	HO US 175	4.8	18	16.6	1.7
HGO US 300	8.50	300	1 1/4" NPT	290	HO US 300	4.8	19.2	17.8	1.7
HGO US 350	9.91	350	1 1/2" NPT	290	HO US 350	4.8	21	19.6	1.7
HGO US 500	14.2	500	2" NPT	290	HO US 500	6.3	24.5	22.9	1.7
HGO US 700	19.8	700	2" NPT	290	HO US 700	6.3	27.2	25.6	1.7
HGO US 900	25.5	900	2 1/2" NPT	290	HO US 900	7.6	28.5	26.3	1.7
HGO US 1100	31.1	1100	3" NPT	290	HO US 1100	7.6	34	31.8	1.7
HGO US 1300	36.8	1300	3" NPT	290	HO US 1300	7.6	36.2	34	1.7
HGO US 1600	45.3	1600	3" NPT	290	HO US 1600	7.6	41.9	40	1.7

* HERTZ KOMPRESSOREN reserves its rights to change the specifications without any prior notice.

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 70 °F (mg/m ³)	5	0.5	0.01	0.003
Max. working temperature (°F)	176	176	176	77
Max. working pressure (psi)	232	232	232	232
Initial pressure loss (psi)	0.58	1.16	1.45	1.16
Pressure loss for element change (psi)	10.15	10.15	10.15	10.15
Element colour code	WHITE	WHITE	WHITE	METAL SS

Operating Pressure (psi)	15	44	73	100	124	145	174	218	232	261	290
Correction Factor	0.5	0.71	0.87	1	1.1	1.18	1.28	1.45	1.49	1.56	1.64

NOTES

- Grade A must not operate in oil saturated conditions.
- Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- Grade A will not remove certain gases including carbon monoxide and carbon dioxide. Please refer to works if in doubt.
- Flow rates are based on a 100 psi operating pressure, for flows at other pressures use correction factor given above.
- All filters are suitable for use with mineral and synthetic oils.
- Gauge type pressure indicators are fitted to models HGO US 15 to HGO US1600 as standard.
- 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 HGO US 150 MX with replacement filter element model MO US 150 X. Represent 150 cfm capacity and x represents the general purpose element.



Correction Sample:

If a compressor delivers 350 cfm at 145 psi please choose your Filter model as follow: 350 cfm / 1.18=297 cfm your model is HGO US 300.