



HG (725 psi) - HGH (5075 psi) Series

High Pressure Compressed Air Filters



Features

Mikropor manufactures a line of High Performance Compressed Air Filters and Moisture Separators in two different ranges;

- **725 psi** Range made of Aluminum, No welding, strong and reliable design.
- **5075 psi** range made of Steel, no welding, and designed for reliability at very high pressure applications.

High Pressure & High Performance

5075 psi

Anodised Aluminum Design with High Performance

Mikropor High Pressure Range Compressed Air Filters are engineered without welding (Forged @ 725 psi housing, machined @ 5075 psi). These Filters are built with a very thick wall thickness and as a result are extremely robust. In-house high pressure test facilities assure the performance.

All inner and outer surfaces of **725 psi** Aluminum design Filters are Anodised, where **5075 psi** Carbon Steel design Filters are epoxy electro powder coated.

DRAIN TYPE
HG - Manual Brass Drain
HGH - Manual Brass Drain

725 psi



Technical Specifications

Model	Drain Port Size	Flow Rate at 725 psi (scfm)	Max. working pressure (psi)	Element Model	Housing Dimensions (inch)				
					A	B	C	D	E
HG-US-100	1/4"	60	725	M25	4.17	4.68	1.18	3.46	8
HG-US-300	1/2"	175	725	M50	4.17	4.68	1.18	3.46	8
HG-US-600	3/4"	350	725	M100	4.17	4.68	1.18	3.46	8
HG-US-850	1"	500	725	M150	4.84	5.51	1.55	4	14
HG-US-1200	1"	700	725	M200	4.84	5.51	1.55	4	14
HG-US-1600	1 1/2"	950	725	M250	4.84	5.51	1.55	4	14
HG-US-2500	2"	1500	725	M2500	6.25	7	2.20	5.23	15
HG-US-3000	2 1/2"	1750	725	M3000	6.25	7	2.20	5.23	15

Model	Drain Port Size	Flow Rate at 5075 psi (scfm)	Max. working pressure (psi)	Element Model	Housing Dimensions (inch)				
					A	B	C	D	E
HGH-US-100	1/4"	60	5075	M25	4.46	4.54	1.01	6.1	1.5
HGH-US-300	1/2"	175	5075	M50	4.46	4.54	1.01	6.24	1.5
HGH-US-600	3/4"	350	5075	M100	4.3	4.54	1.26	8.14	2
HGH-US-850	1"	500	5075	M150	5.23	5.43	1.47	9.84	2
HGH-US-1200	1"	700	5075	M200	5.23	5.43	1.47	12.36	2
HGH-US-1600	1 1/2"	1317	5075	M250	5.03	5.43	1.74	14.48	2
HGH-US-2500	2"	2058	5075	M2500	5.7	6.22	2.02	15.47	2
HGH-US-3000	2 1/2"	2470	5075	M3000	6.29	7	2.26	15.19	2

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 / 21°C (mg/m ³)	5	0.5	0.01	0.003
Max. working temperature (°F)	176	176	176	77
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

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) All filters are suitable for use with mineral and synthetic oils.
- 5) Other standards for flanged connections are available.
- 6) Direction of air flow, inside to out, through filter element

ORDERING:

The complete filter model number contains the size and grade, Example - 1/4" general purpose filter model HG-US-100-MX with replacement filter element model M25X

