



HP&HGH SERIES HIGH PRESSURE AIR FILTERS

Manufacturing Forward





Mikropor began its journey in 1987 with a passion to create “Tomorrow’s Technology” and has become one of the leading manufacturers of atmospheric air filtration solutions and compressed air treatment systems for a variety of industries.

By closely following the latest developments in technology, Mikropor’s “Best in Class” products and solutions are appreciated by customers in more than 100 countries.

The company’s sustainable growth has been provided by its passion for innovation and commitment to quality, as well as its dedication to technology. Mikropor is an environmentally conscious company that values people, while developing products that extend the needs and expectations of customers.

With this mission, Mikropor continues to become one of the most recognized brands in the world by expanding its global penetration in the field of technological filtration and contributes to a healthier planet.

www.mikropor.com

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High Pressure &
High Performance



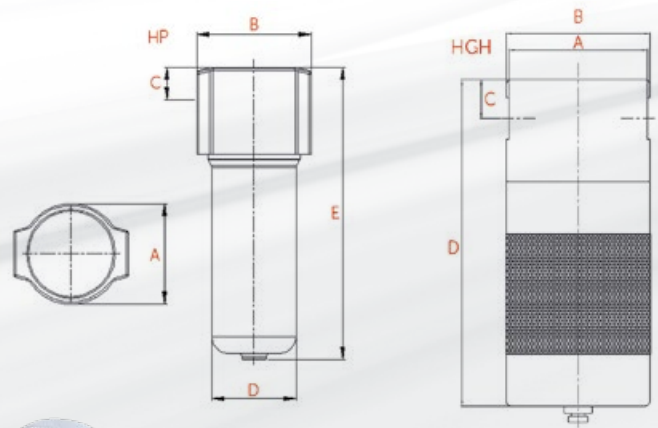
Features

Mikropor manufactures a line of High Performance Compressed Air Filters, Moisture Separators in two different ranges; 50 barg range made of Aluminium. No welding, strong and reliable design.

350 barg range made of Steel. No welding and designed for reliability at very high pressure applications.

Anodized Aluminium Design with High Performance

Mikropor High Pressure Range Compressed Air Filters are No-weld design. These filters are built with ample wall thickness and as a result are extremely robust. In-house high pressure test facilities assure the performance. All inner and outer surfaces of 50 barg Aluminium design filters are anodized, where 350 barg Carbon Steel design Filters are epoxy electro powder coated.



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Technical Specifications

Model	Connection Size	Flow Rate at 50 barg		Max. Working Pressure (barg)	Element Model	Housing Dimensions (mm)				
		(m³/h)	(cfm)			A	B	C	D	E
HP100	1/4"	71	42	50	M25	106	119	30	88	201
HP300	1/2"	212	125	50	M50	106	119	30	88	201
HP600	3/4"	425	250	50	M100	106	119	30	88	201
HP850	1"	595	350	50	M150	123	140	40	103	357
HP1200	1"	850	500	50	M200	123	140	40	103	357
HP1600	1 1/2"	1600	940	50	M250	123	140	40	103	357
HP2500	2"	2500	1470	50	M2500	159	179	56	133	380
HP3000	2 1/2"	3000	1765	50	M3000	159	179	56	133	380

Model	Connection Size	Flow Rate at 350 barg		Max. Working Pressure (barg)	Element Model	Housing Dimensions (mm)			
		(m³/h)	(cfm)			A	B	C	D
HGH100	1/4"	102	60	350	M25	113	116	26	155
HGH300	1/2"	298	175	350	M50	113	116	26	159
HGH600	3/4"	595	350	350	M100	109	116	32	207
HGH850	1"	850	500	350	M150	133	138	37	250
HGH1200	1"	1190	700	350	M200	133	138	37	314
HGH1600	1 1/2"	2240	1317	350	M250	128	138	44	368
HGH2500	2"	3500	2058	350	M2500	145	158	52	393
HGH3000	2 1/2"	4200	2470	350	M3000	160	178	58	386

Specifications	Pre Filtering	General Purpose	Oil Removal	Activated Carbon	Drain Type
Grade	P	X	Y	A	HP - Manual Brass Drain
Particle Removal (Micron)	5	1	0.01	0.01	HGH - Manual Brass Drain
Max. Oil Carryover at 21°C (mg/m³)	5	0.1	0.01	0.003	
Max. Working Temperature (°C)	80	80	80	50*	
Initial Pressure Loss (mbar)	40	80	100	80	
Pressure Loss for Element Change (mbar)	700	700	700	700	
Element Color Code	White	White	White	Metal SS	

*For 0.003 mg/m³ quality oil in the air, the inlet temperature should be 25°C

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.
- 4) Flow rates are based on 50 barg for HP and 350 barg for HGH filters.
- 5) All filters are suitable for use with mineral and synthetic oils.
- 6) Other standards for flanged connections are available.
- 7) Direction of air flow is inside to out, through filter element.

Ordering

The complete filter model number contains the size and grade, example – "GON-150-1-X" represents 150 m³/h capacity and "1" connection general purpose filter model with replacement filter element model "X".

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