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Mikropor manufactures a line of High Performance Compressed Air Filters, Moisture Separators in two different range **50 bar** range made of Aluminum, no welding, strong and reliable design. **350 bar** range made of Steel, no welding, and designed for reliability at very high pressure applications.

High Pressure
High Performance
350 bar

Anodised Aluminum Design with High Performance

Mikropor High Pressure Range Compressed Air Filters are NO weld design. 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 **50 bar** aluminum design filters are anodised. **350 bar** Carbon Steel design filters are epoxy electro powder coated.

DRAIN TYPE

HG - Manual Brass Drain

HGH - Manual Brass Drain

50 bar



Technical Specifications

Model	Drain Port Size	Flow Rate at 50 bar		Max. working pressure (barg)	Element Model	Housing Dimensions (mm)				
		(m³/h)	(scfm)			A	B	C	D	E
HG100	1/4"	71	42	50	M25	106	119	30	88	201
HG300	1/2"	212	125	50	M50	106	119	30	88	201
HG600	3/4"	425	250	50	M100	106	119	30	88	201
HG850	1"	595	350	50	M150	123	140	39,5	103	357
HG1200	1"	850	500	50	M200	123	140	39,5	103	357
HG1600	1 1/2"	1600	940	50	M250	123	140	39,5	103	357
HG2500	2"	2500	1470	50	M2500	159	179	56	133	380
HG3000	2 1/2"	3000	1765	50	M3000	159	179	56	133	380

Model	Drain Port Size	Flow Rate at 350 bar		Max. working pressure (barg)	Element Model	Housing Dimensions (mm)			
		(m³/h)	(scfm)			A	B	C	D
HGH100	1/4"	102	60	350	M25	113,4	115,4	25,75	155
HGH300	1/2"	298	175	350	M50	113,4	115,4	25,75	158,5
HGH600	3/4"	595	350	350	M100	109,4	115,4	32,25	207
HGH850	1"	850	500	350	M150	133	138	37,35	250
HGH1200	1"	1190	700	350	M200	133	138	37,35	314
HGH1600	1 1/2"	2240	1317	350	M250	128	138	44,4	368
HGH2500	2"	3500	2058	350	M2500	145	158	51,5	393
HGH3000	2 1/2"	4200	2470	350	M3000	160	178	57,6	386

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	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) The above housings require only one filter element.
- 6) Direction of air flow, inside to out, through filter element. Except grade A
- 7) Manual drain is standard. Electronic timer is optional.

ORDERING:

The complete filter model number contains the size and grade, Example - 1/4" general purpose filter model HG100MX with replacement filter element model M100X.

