mikropor

Air Filters for Air Compressors

Mikropor Air Filters

Mikropor Air Filters are the first line of defense for a compressor and have a significant impact on the service life of the compressor, lubricant, air/oil separators and oil filters. Mikropor offers the highest efficiency air intake filters in the market, outperforming the competition and delivering more value to customers.

EQUAL SPACE SYSTEM

Micro-glass and Mini-pleat System in Air Filters

Our Micro-glass Mini-Pleated Air Filters reach a 99.99 % efficiency faster than cellulose air filters and provides better protection by allowing fewer contaminants to pass through the media.
Mikropor Nano Media holds up to five (5) times more contaminants than conventional cellulose air filters, making them ideal for extended maintenance periods.

Micro-glass fiber
at X500 magnification

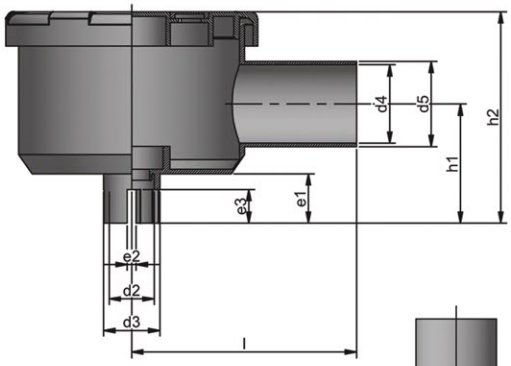
Cellulose fiber
at X500 magnification

Mikropor Micro-glass fibers are very fine nano scale fibers and are Eighty (80) times smaller in diameter than cellulose fiber. This results in extremely high initial efficiency and protects the air compressor better than any filter available in the market.
The Mikropor Mini-Pleat system guarantees equal space between each filter pleat and maintains ''V ''pleated geometry throughout the service life of the filter.
As a result, 100% of the surface area performs equally and delivers the expected protection, while minimizing pressure drops.

Air Intake Filters for Air Compressors (Mikroline Series)

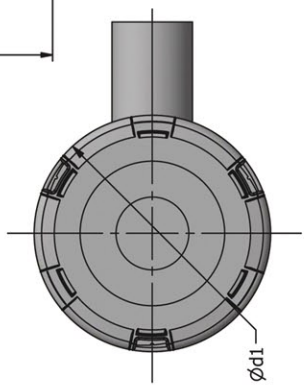
Mikroline Series

Mikropor's air intake elements are designed for the removal of dust or particulate in the air intake systems of compressors, machines, pumps, blowers, etc.
Based on the density of the dust load, Mikropor offers two series with different sizes and capacities : Mikroline and Makroline.



Applications

Mikroline Air Intake Filters are well suited for applications with low dust loads such as power generators, piston compressors, as well as air cleaner ventilation of gear units and the filtration of liquid tanks.



General working conditions

Type	Overall design	Volumetric flow range (m^3/min)	Continuous operating temperature	Short time maximum operating temperature
Mikroline Air Intake Filters	Highly reliable plastic air cleaner housing with high quality element	1 m^3/min to 4 m^3/min	-30°C to +100°C	+120°C

Dimensions

Model	d1	d2	d3	d4	d5	e1	e2	e3	e4	h1	h2	l	Nominal Flow Rate (m^3/min)	Compressor connection Type
MIFH-0120	112	20	25	35	38	22	4	15	-	53	94	100	1	Internal tightened
MIFH-0130	112	30	35	35	38	22	4	15	-	53	94	100	1	Internal tightened
MIFH-0140	112	40	45	35	38	22	4	15	-	53	94	100	1	Internal tightened
MIFH-0240	140	40	45	35	38	22	4	15	-	67	114	120	2	Internal tightened
MIFH-0252	140	52	57	35	38	22	16.25	15	8.125	67	114	120	2	Internal tightened
MIFH-0260	140	60	65	35	38	22	4	15	-	67	114	120	2	Internal tightened
MIFH-0271	140	71	76	35	38	22	4	15	-	67	114	120	2	Internal tightened
MIFH-0452	181	52	57	58	60	22	16.25	15	8.125	102	164	154.5	4	Internal tightened
MIFH-0460	181	60	65	58	60	22	4	15	-	102	164	154.5	4	Internal tightened
MIFH-0471	181	71	76	58	60	22	4	15	-	102	164	154.5	4	Internal tightened

Note: Measure unit is mm

Air Intake Filters (Makroline Series)

Design

Mikropor Makroline Air Intake Filters are designed to provide maximum performance for those customers with extremely high dust capacity and low pressure drop air intake filter demands.
These Makroline filters are also suitable for higher temperature use.

Applications

Mikropor Makroline Air Intake Filters are designed for medium and heavy dust load conditions for applications such as Air Compressors, Construction Machines, Agricultural Machines, Harvesting Machines, etc.

Advantages

The advantages of Makroline Air Intake Filters are:
- Operational reliability
- Long service life because of its highly efficient and reliable filter element replacements
- Low pressure drop
- Impact resistant corrosion free housing polypropylene
- Excellent price/performance ratio

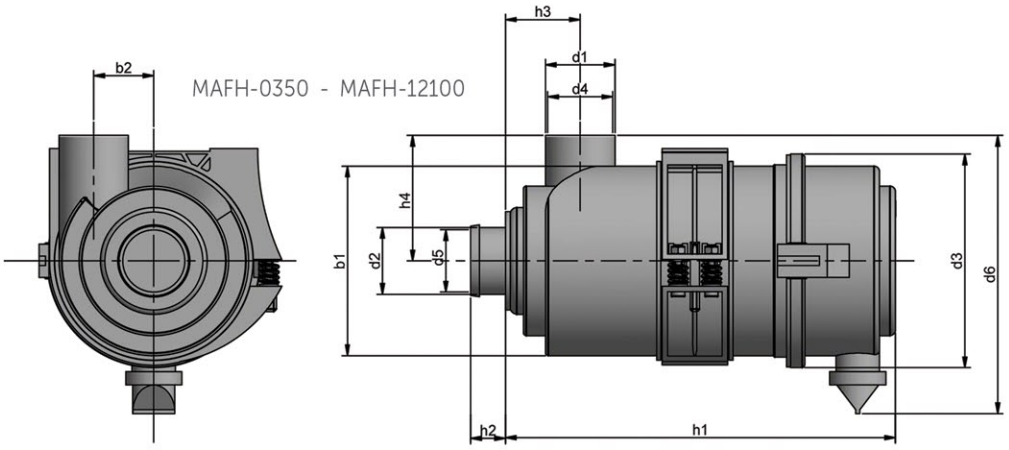
Mikropor Makroline Air Intake Filters' user friendly and flexible bracket system provides the the ability for easy installation. The brackets can be turned in various positions which provides numerous fitting possibilities. Mikropor's versatile production offers these brackets in different sizes.

Easy various mounting possibilities

General working conditions for Makroline Air Intake Filters

Type	Overall design	Volumetric flow range (m^3/min)	Continuous operating temperature	Short time maximum operating temperature
Makroline Air Intake Filters	Highly reliable plastic air cleaner housing with high quality element, center tube in housing, radial seal	3 m^3/min to 28 m^3/min	-30°C to +80°C	+100°C

MAFH-0350 - MAFH-12100

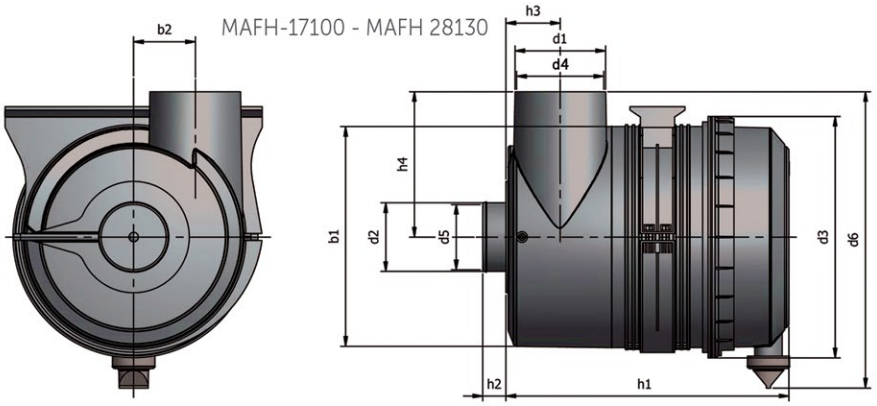


Technical Specifications

Model	b1	b2	d1	d2	d3	d4	d5	d6	h1	h2	h3	h4	Nominal Flow Rate (m^3/min)	Compressor connection Type
MAFH-0350	142	45	52	50	160	49	47	209	292	26	56	94	3-4	External Clamped
MAFH-0360	142	45	52	60	160	49	57	209	292	26	56	94	3-4	External Clamped
MAFH-0870	200	53	94	70	226	89	64	293	380	30	67	137	8-10	External Clamped
MAFH-08100	200	53	94	100	226	89	94	293	380	30	67	137	8-10	External Clamped
MAFH-1270	200	53	94	70	227	89	64	293	520	30	67	137	12-14	External Clamped
MAFH-12100	200	53	94	100	227	89	94	293	520	30	67	137	12-14	External Clamped
MAFH-17100	297	86.5	110	100	323	104	93	399.5	414.5	30	93.5	190	17	External Clamped
MAFH-17110	297	86.5	110	110	323	104	103	399.5	414.5	30	93.5	190	17	External Clamped
MAFH-17130	297	86.5	110	130	323	104	123	399.5	414.5	30	93.5	190	17	External Clamped
MAFH-18100	322	90	132	100	352	127	95	432	413	34	79	212	18	External Clamped
MAFH-18110	322	90	132	110	352	127	105	432	413	34	79	212	18	External Clamped
MAFH-18130	322	90	132	130	352	127	125	432	413	34	79	212	18	External Clamped
MAFH-18150	322	90	132	150	352	127	145	432	413	34	79	212	20	External Clamped
MAFH-20100	322	90	132	100	352	127	95	432	443	34	79	212	20	External Clamped
MAFH-20110	322	90	132	110	352	127	105	432	443	34	79	212	20	External Clamped
MAFH-20130	322	90	132	130	352	127	125	432	443	34	79	212	22	External Clamped
MAFH-22100	322	90	132	100	352	127	95	432	473	34	79	212	22	External Clamped
MAFH-22110	322	90	132	110	352	127	105	432	473	34	79	212	22	External Clamped
MAFH-22130	322	90	132	130	352	127	125	432	473	34	79	212	24	External Clamped
MAFH-24100	322	90	132	100	352	127	95	432	503	34	79	212	24	External Clamped
MAFH-24110	322	90	132	110	352	127	105	432	503	34	79	212	24	External Clamped
MAFH-24130	322	90	132	130	352	127	125	432	503	34	79	212	26	External Clamped
MAFH-26100	322	90	132	100	352	127	95	432	533	34	79	212	26	External Clamped
MAFH-26110	322	90	132	110	352	127	105	432	533	34	79	212	26	External Clamped
MAFH-26130	322	90	132	130	352	127	125	432	533	34	79	212	28	External Clamped
MAFH-28100	322	90	132	100	352	127	95	432	563	34	79	212	28	External Clamped
MAFH-28110	322	90	132	110	352	127	105	432	563	34	79	212	28	External Clamped
MAFH-28130	322	90	132	130	352	127	125	432	563	34	79	212	28	External Clamped

Note:
The measure unit is " mm "

MAFH-17100 - MAFH 28130



Air Intake Filters (Makroline Series with Collector)

Model		L	L1	L2	H	h1	h2	W	w1	w2	b1	b2	Nominal Flow Rate (m^3/min)	Compressor connection Type
MAFHC-2-16130	(MAFH-08100x2)	585	228	285	535	430	157	293	92	113	94	130-150	16	External Clamped
MAFHC-2-24130	(MAFH-12100x2)	585	228	285	680	575	157	293	93	112	94	130-150	24	External Clamped
MAFHC-3-36130	(MAFH-12100x3)	870	228	285	680	575	157	293	93	112	94	130-150	36	External Clamped
MAFHC-4-48130	(MAFH-12100x4)	1155	228	285	680	575	157	293	93	112	94	130-150	48	External Clamped