mikropor

GO Series (12 scfm - 1600 scfm)

Compressed Air Filters

GO Series Compressed Air Filters

Mikropor " GO " series compressed air filters are designed for easy element replacement for "zero clearance" ability.

Features

The air filters have four (4) ranges of efficiencies, removing contaminants as small as 0.01 micron at up to 290 psi - 1/4" to 3" NPT/BSP pipe sizes. A protected auto float drain (0.07" orifice) is standard for optimal and reliable removal of liquid contaminants.
These air filters have zero-porosity aluminum and durable epoxy powder-coat finish, along with a corrosion resistant internal coating for a long service life.

NEW for OEM use

Filter combinations are configured to meet specific application requirements. Filters comply with Pressure Equipment Directives and perform as per related ISO 8573 standards.
Filters are equipped with differential pressure gauges for ease of maintenance and energy efficiency. Mikropor compressed air filters are always recommended with this system.

Element Features

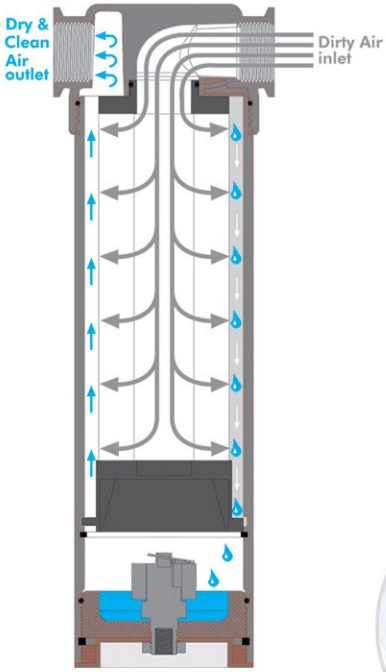
Mikropor offers
Superior protection -
from 1 micron to 0.01 micron.
Durable element construction and efficient drain layer ensures continued performance after optimal element change. Elements are also easy to replace with the head clips.

TO REMOVE THE ELEMENT TWIST CLOCKWISE

MIKROPOR ELEMENTS HAVE BEEN DESIGNED FOR EASY HANDLING

1- Deep pleating enables a lower pressure drop
2- Supreme collapse resistance due to strength of flutted stainless tube design protecting provides strength against pressure drops while improving the performance by passing air diagonally through the element.
3- PVC impregnated foam assists
Water / Oil drainage

Mikropor America Inc. / www.mikroporamerica.com
251 N Roeske Avenue Michigan City IN 46360 T: 219.878.1550

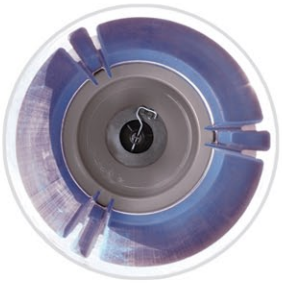


Series Integration

Head Clamping provides serial connection of filters without any extra piping

Drainage Ribs

Drainage Ribs favers the humudity flow.



Zero Clearance

A major innovation is the use of a zero clearance design. Provides for a simple element change without usage of tools.

Corrosion Resistance

Anodizing provides supreme corrosion resistance.
Anodized surface treatment is provent to be better than other surface treatment methods such as Alochrome coating. Contact Mikropor to get Comparison Test results between Competitor Filters with Alochrome coating and Mikropor Filters with Anodizing treatment.

With Anodizing

Without Anodizing

Mikropor America Inc. / www.mikroporamerica.com
251 N Roeske Avenue Michigan City IN 46360 T: 219.878.1550

Rev No: 170810-MAB

Compressed Air Filters

Technical Specifications

Model	Connection Size (NPT)	Flow Rate (scfm)	Max. working pressure (psi)	Element Model	Housing Dimensions (inch)				
					A	B	C	D	E
GO-US-12	1/4 "	12	290	MO-US-12	3	1.7	7.6	6.8	0.27
GO-US-15	1/4 "	15	290	MO-US-15	4	1.7	8.4	7.6	0.27
GO-US-24	3/8 "	24	290	MO-US-24	3	1.7	7.6	6.8	0.27
GO-US-30	3/8 "	30	290	MO-US-30	4	1.7	8.4	7.6	0.27
GO-US-60	1/2 "	60	290	MO-US-60	4	1.7	10	9	0.27
GO-US-90	3/4 "	90	290	MO-US-90	4.8	1.7	11.7	10.6	0.32
GO-US-120	3/4 "	120	290	MO-US-120	4.8	1.7	14.2	13	0.32
GO-US-150	1 "	150	290	MO-US-150	4.8	1.7	15.8	14.7	0.32
GO-US-175	1 1/4 "	175	290	MO-US-175	4.8	1.7	18	16.6	0.32
GO-US-300	1 1/4 "	300	290	MO-US-300	4.8	1.7	19.2	17.8	0.32
GO-US-350	1 1/2 "	350	290	MO-US-350	4.8	1.7	21	19.6	0.35
GO-US-500	2 "	500	290	MO-US-500	6.3	1.7	24.5	22.9	0.35
GO-US-700	2 "	700	290	MO-US-700	6.3	1.7	27.2	25.6	0.35
GO-US-900	2 1/2 "	900	290	MO-US-900	7.6	1.7	28.5	26.3	0.40
GO-US-1100	3 "	1100	290	MO-US-1100	7.6	1.7	34	31.8	0.40
GO-US-1300	3 "	1300	290	MO-US-1300	7.6	1.7	36.2	34	0.45
GO-US-1600	3 "	1600	290	MO-US-1600	7.6	1.7	41.9	40	0.45

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/m³)	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

INDICATOR TYPE
Gauge with or without electrical contact

DRAIN TYPE
Electro - adjustable
External float type
Zero-loss Drain
Manual

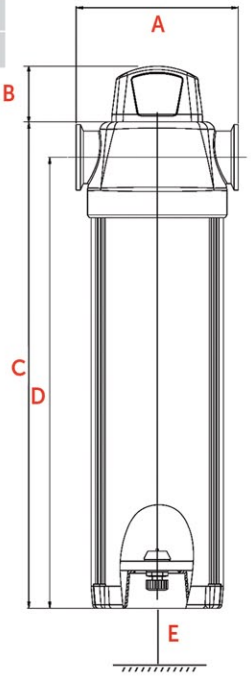
Correction Factor

Operating Pressure (psi)	15	44	73	100	131	160	189	218	232	261	290
Correction Factor	0.5	0.71	0.87	1	1.12	1.22	1.32	1.44	1.50	1.57	1.63

For maximum flow rate, multiply model flow rate show in the above table by the correction factor corresponding to the working pressure.

Correction Sample:
if an compressor delivers 1300 scfm at 189 psi please choose your Filter model as follow:
1300 scfm / 1.89 = 687 scfm your model is GO-US-700 (with 700 scfm capacity)

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) Flow rates are based on a 100 psi operating pressure, for flows at other pressures use correction factor given above.
5) All filters are suitable for use with mineral and synthetic oils.
6) Gauge type pressure indicators are fitted to models GO-US-12 to GO-US-1600 as standard.
7) 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 GO-US-150MX with replacement filter element model MO-US-150X. X represents the general purpose element.



Mikropor America Inc. / www.mikroporamerica.com
251 N Roeske Avenue Michigan City IN 46360 T: 219.878.1550