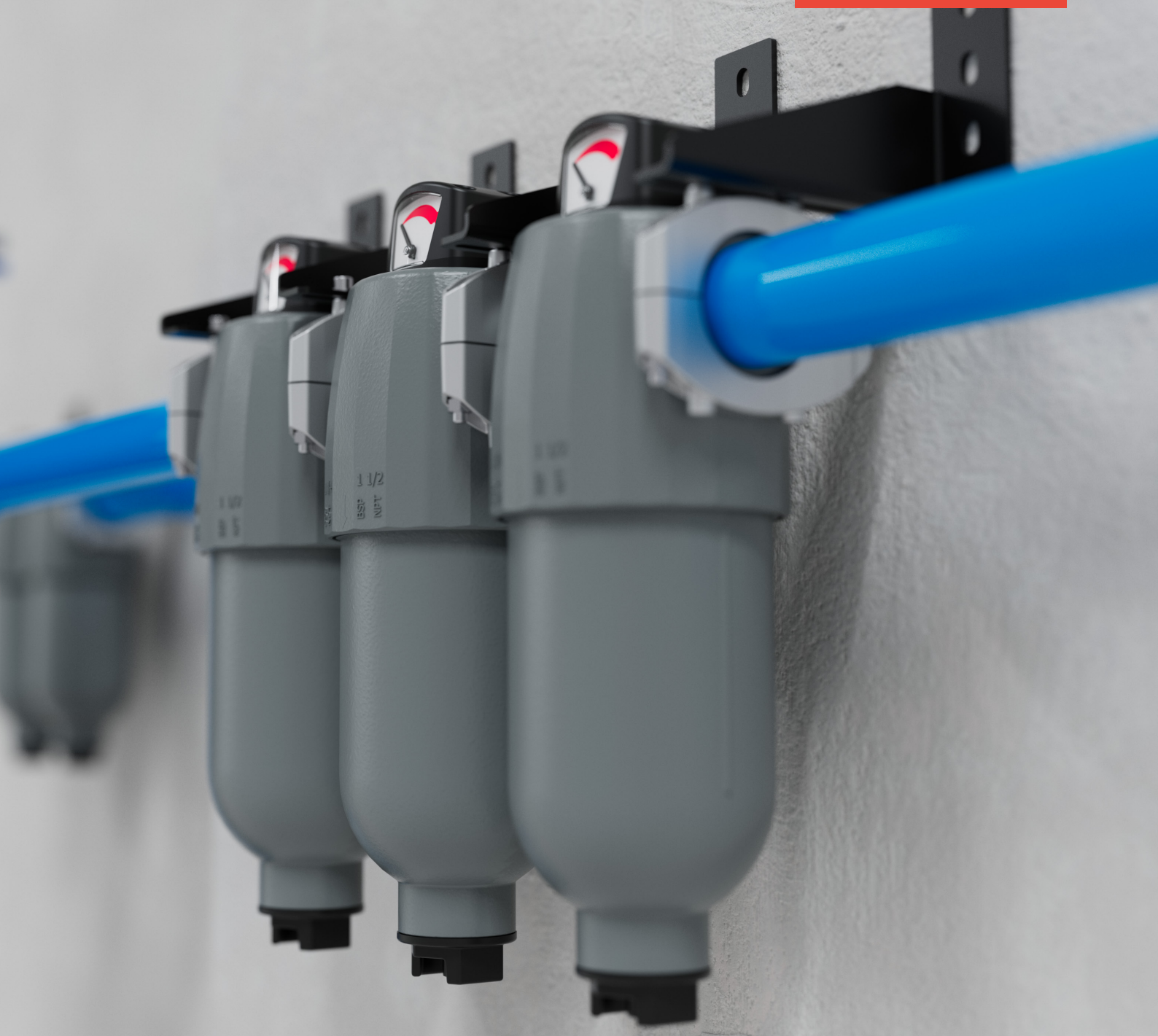




GON PRO SERIES COMPRESSED AIR FILTERS

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

GON PRO SERIES COMPRESSED AIR FILTERS

Compact Design. High-Efficiency Filtration.

Mikropor GON PRO Series Compressed Air Filters feature a filter element with an increased surface area, manufactured using technology exclusive to Mikropor, to provide compressed air users with high-efficiency filtration at the lowest pressure drops. The series helps minimize airborne contamination in compressed air systems, while its compact design allows easy installation and operation even in confined spaces.

The innovative **"Zero Clearance"** design allows easy replacement of the inner element without requiring additional clearance beneath the filter housing. Combined with its compact dimensions, this feature simplifies installation and maintenance even where space is limited.

Durable aluminium construction supports long service life and economical operation. Manufactured in accordance with **ISO 8573** standards and meeting applicable PED requirements, GON PRO Series Compressed Air Filters combine filtration performance with a space-saving design.



14 Models Between
35 m³/h - 1200 m³/h

Features

- Compact design
- Filter element manufactured using filtration technology exclusive to Mikropor
- Air flow range: 35–1200 m³/h
- NPT/BSP connection sizes ranging from 1/4" to 2"
- Pore-free aluminium construction
- **Options:**
 - "Standard Externally Mounted Float Drain" with a 1/2" connection
 - "Drainless" with a 1/2" connection and adapter
- Connection clips and wall-mounting brackets
- Production in accordance with ISO 8573
- Zero Clearance for easy element replacement
- Anodising
- Lock System Indicator
- Manual reset-type differential pressure gauge



Standard externally mounted float drain



Manual reset-type differential pressure gauge

GON PRO SERIES COMPRESSED AIR FILTERS

GON PRO Series Advantages

- Low initial investment costs
- Low maintenance costs
- Compact design
- Easy to use and install
- High performance
- Third party tested

Purity Class	ISO 8573.1: 2010 Compressed Air Quality Standard							
	Solid Particulate					Water		Oil
	Max. Number of Particles per m³			Particle Size (micron)	Concentration (mg/m³)	Vapor Pressure Dew Point	Liquid (g/m³)	Total Oil (Aerosol, Liquid v Vapor) (mg/m³)
	0.1-0.5 micron	0.5-1 micron	1-5 micron					
0	As specified and determined by equipment user and supplier							
1	≤20000	≤400	≤10	-	-	≤-70°C	-	≤0.01
2	≤400000	≤6000	≤100	-	-	≤-40°C	-	≤0.1
3	-	≤900000	≤1000	-	-	≤-20°C	-	≤1
4	-	-	≤10000	-	-	≤+3°C	-	≤5
5	-	-	≤100000	-	-	≤+7°C	-	-
6	-	-	-	5	5	≤+10°C	-	-
7	-	-	-	40	10	-	0.5	-
8	-	-	-	-	-	-	5	-
9	-	-	-	-	-	-	10	-

for Solid Particles	for Water	for Oil
Element Type P - Class 3	Mikropor Refrigerated Air Dryers are Class 4	Element Type P - Class 3
Element Type X - Class 2		Element Type X - Class 2
Element Type Y - Class 1	Mikropor Desiccant Air Dryers are Class 1 and 2	Element Type Y - Class 1
Element Type A - N/A		Element Type A - Class 1 (when used with Y)

GON PRO SERIES COMPRESSED AIR FILTERS

Element Features

Mikropor filter elements provide superior protection, with filtration ratings from 1 micron to 0.01 micron. Manufactured using technology exclusive to Mikropor, the elements feature an increased surface area for high-efficiency filtration at low pressure drops. Durable element construction and an efficient drainage layer ensure continued performance with optimal element replacement intervals. Plastic handles allow easy handling and element replacement.

Mikropor Elements Have Been Designed for Easy Handling

- 1- Depth media construction offers higher coalescing performance.
- 2- A fluted stainless steel tube provides superior collapse resistance against differential pressure while enhancing filtration performance by directing air diagonally through the element.
- 3- Synthetic drop layer facilitates water and oil drainage.



Element Advantages

- Increased filtration surface area through technology exclusive to Mikropor
- High energy efficiency due to low pressure drops
- Durability under high-pressure conditions (20 bar)
- Four filtration grades for a wide range of filtration applications
- High filtration capacity, targeting contaminants as small as 0.01 micron at 20 bar
- Minimization of valuable compressed air loss with the Zero-Loss Drain option
- Third-party tested

GON PRO SERIES COMPRESSED AIR FILTERS

Head Clamping

Head Clamping provides serial connection of filters without any extra piping. Connection clamps are used for connecting multiple filters to each other. Wall mounting clamps are used to connect the filters to the wall easily.

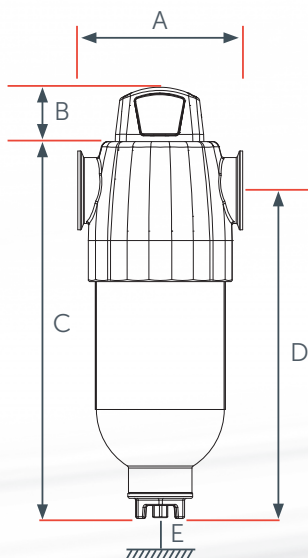
Drainage Ribs

Drainage Ribs favors the liquid flow.

Correction Factor

For maximum flow rate of the filter model, multiply model flow rate shown in the below table by the correction factor corresponding to the working pressure.

Operating Pressure (bar)	PSI	Correction Factor
3	44	0.71
5	72	0.87
7	100	1
9	130	1.12
11	160	1.22
13	188	1.32
15	218	1.44
16	232	1.50
18	260	1.57
20	290	1.63



Zero Clearance

A major innovation for servicing the zero clearance design gives a quicker, easier, simpler filter change, with no need for any special tools.

Anodising

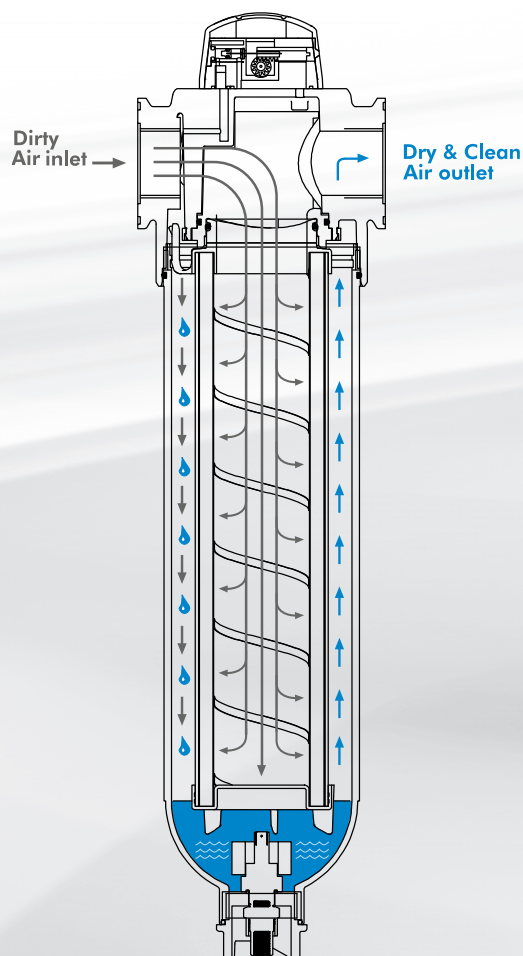
Anodising provides supreme corrosion resistance. Anodised surface treatment is proven to be better than other surface treatment methods such as Alocrome coating. Contact Mikropor to get comparison test results between competitor filters with Alocrome coating and Mikropor filters with anodising treatment.

Options

- Drains: Automatic / Manual / Zero Loss
- Indicator or No indicator
- O-rings: Viton

Alternative Filters

- "S" Grade: Sterile Filter
- "H" Grade: Hopcalite Filter
- "T" Grade: 25 micron Coarse Dust Filter
- "HT" Grade: High Temperature Filters
- "UP" Grade: Ultra-Fine Particle Filters



The reliability of GON PRO Series is guaranteed by the results obtained from "Third Party Tests" which is renowned worldwide in the Compressed Air Industry.

GON PRO SERIES COMPRESSED AIR FILTERS

Technical Specifications

Model	Port Size			Flow Rate		Max. Working Pressure (bar)	Element Model	Housing Dimensions (mm)				
				(m³/h)	(cfm)			A	B	C	D	E
GON PRO-35	1/4"	3/8"	1/2"	35	21	20	MON PRO 35	90	36.5	215	193	19
GON PRO-55	1/4"	3/8"	1/2"	55	33	20	MON PRO 55	90	36.5	253	231	19
GON PRO-70	3/8"	1/2"	-	70	42	20	MON PRO 70	128	45	198	174	32
GON PRO-100	3/8"	1/2"	-	100	60	20	MON PRO 100	128	45	218	194	32
GON PRO-125	3/8"	1/2"	-	125	75	20	MON PRO 125	128	45	230	206	32
GON PRO-150	3/4"	1"	-	150	90	20	MON PRO 150	140	45	260	227	31
GON PRO-225	3/4"	1"	-	225	135	20	MON PRO 225	140	45	266	232	31
GON PRO-300	1 1/4"	1 1/2"	-	300	180	20	MON PRO 300	140	45	315	274	31
GON PRO-400	1 1/4"	1 1/2"	-	400	240	20	MON PRO 400	140	45	320	279	31
GON PRO-500	1 1/4"	1 1/2"	2"	500	300	20	MON PRO 500	151	45	330	285	25
GON PRO-600	1 1/2"	1 1/2"	2"	600	360	20	MON PRO 600	151	45	410	365	25
GON PRO-800	1 1/4"	1 1/2"	2"	800	480	20	MON PRO 800	151	45	430	384	25
GON PRO-1000	1 1/4"	1 1/2"	2"	1000	600	20	MON PRO 1000	151	45	510	464	25
GON PRO-1200	1 1/4"	1 1/2"	2"	1200	720	20	MON PRO 1200	151	45	575	529	25

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	0.1	0.01	0.003
Max. Recommended 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

Indicator Type
Manually Reset Type Differential Pressure Gauge
Drain Type
Electro-Adjustable
External Float Type
Zero-Loss Drain
Manual
Externally Mounted Float Drain

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

Notes

- 1) Given flows are at 7 barg pressure with reference to 20°C and 1 bar atmospheric air suction as per ISO 7183. In order to calculate the flow capacities at other pressures please refer to the correction factor table on page 7.
- 2) Grade A must not operate in oil saturated conditions.
- 3) Grades P, X and Y elements need to be replaced periodically to suit applications but must be changed at least every 8000 hours.
- 4) Grade A elements should be replaced periodically to suit the applications but must be changed at least every six months.
- 5) Grade A will not remove certain gases including carbon monoxide and carbon dioxide.
- 6) Flow rates are based on a 7 bar operating pressure, for flows at other pressures use correction factor.
- 7) All filters are suitable for use with mineral and synthetic oils.
- 8) Gauge type pressure indicators are fitted to all models as standard except Activated Carbon Filters.
- 9) All filters are in conformity with the 2014/68/EU Pressure Equipment Directive.

Ordering

The complete filter model number contains the size and grade, example – "GON PRO-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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