

MicraGold 10 barg



MicraGold is a range of anodised aluminium filter housings designed to use MicraLescer or MicraTube filter cartridges for the removal of oil, water and particulate from compressed air or gas streams.

All aluminium parts are corrosion protected by anodisation, ideal for use in harsh conditions. MicraGold 10 barg filter housings are supplied with polycarbonate bowls, making them suitable for use on instrumentation panels and in vacuum applications.

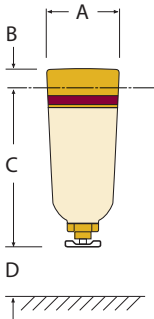
Filter Model	Pipe Size (NPT)	Flow Rate ¹			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket	Price
		Nm³/h	L/min	SCFM	A	B	C	D			
MG-101-1232-[]	1/8"	8.5	141	5	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-102-1232-[]	1/4"	11	169	6	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-102-2564-[]	1/4"	29	481	17	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	
MG-104-2564-[]	1/2"	60	991	35	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	

Ordering:

If a drain connection is required include sux [D]. Filter will be supplied with manual drain valve if this option is selected. Filter cartridges sold separately.

Specification	
Model	MG-101, 102, 104
Filter Material	Aluminium with Polycarbonate bowl
Maximum Operating Pressure	10 barg (145 psig)
Seal Material	PTFE
Temperature Range*	-40°C to 50°C (-40°F to 120°F)
Drain Connection	Optional

* The temperature range of the cartridge intended for use must also be considered - see filter grades and specifications.



Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10
Operating Pressure - psig	4	9	14.5	29	44	58	72	87	100	115	130	145
Correction Factor	0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8

Technical Notes

- Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- Polycarbonate bowls are not suitable for use with certain synthetic oils. Please consult specific oil technical data sheet.
- For coalescing, recommended direction of flow is from inside to out through the filter cartridge.
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge. Housing heads are marked with 'P' and 'C' to aid installation.
- All pipe connections are NPT taper as standard, other thread forms are available upon request

MicraGold

16 barg



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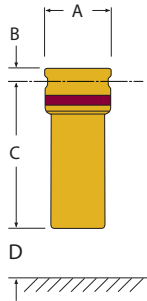
Filter Model	Pipe Size (NPT)	Flow Rate ¹			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket	Price
		Nm³/h	L/min	SCFM	A	B	C	D			
MG-161-1232-[]	1/8"	8.5	141	5	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-162-1232-[]	1/4"	11	169	6	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1	
MG-162-2564-[]	1/4"	29	481	17	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	
MG-164-2564-[]	1/2"	60	991	35	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-	
MG-164-2178-[]	1/2"	90	1500	53	67 (2.6)	17 (0.7)	240 (9.5)	160 (6.3)	25 x 178 (1 x 7)	-	

Ordering:

If a drain connection is required include suffix [D]. Filter will be supplied with manual drain valve if this option is selected.
Filter cartridges sold separately

Specification	
Model	MG-161, 162, 164
Filter Material	Aluminium
Maximum Operating Pressure	16 barg (232 psig)
Seal Material	PTFE
Temperature Range*	-40°C to 120°C (-40°F to 250°F)
Drain Connection	Optional

* The temperature range of the cartridge intended for use must also be considered - see filter grades and specifications.



Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure																	
Operating Pressure - barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating Pressure - psig	4	9	14.5	29	44	58	72	87	100	115	130	145	160	175	189	203	218	232
Correction Factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51

Technical Notes

- Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- For coalescing, recommended direction of flow is from inside to out through the filter cartridge.
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge.
Housing heads are marked with 'P' and 'C' to aid installation.
- All pipe connections are NPT taper as standard, other thread forms are available upon request