

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, making them 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.



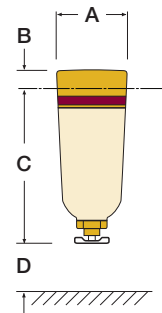
Filter Model	Pipe Size (NPT)	Flow Rate (see note 1)			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket
		Nm³/h	L/min	SCFM	A	B	C	D		
MG-101-1232-[]	1/8	8.5	141	5	38 (1.5")	10 (0.4")	97 (3.8")	40 (1.6")	12 x 32 (0.5" x 1.2")	MBK1
MG-102-1232-[]	1/4	11	169	6	38 (1.5")	10 (0.4")	97 (3.8")	40 (1.6")	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 suffix [D].
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 (supplied with manual drain)	Optional

* The temperature range of the cartridge intended for use must also be considered.



Technical Notes

- Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart below 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.

Flow Conversion 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	
	psig	4	9	14.5	29	44	58	72	87	100	115	130	145	
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	