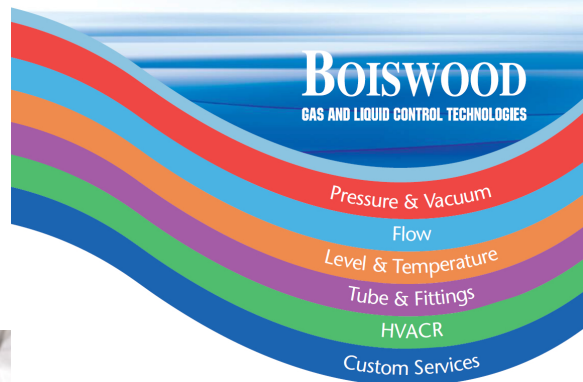


MicraGold Series



Applications

Gas analysis
Liquid analysis
Sample analysis
Stack gas sampling
Compressor inlet filtration
Vacuum pump intake and outlet filtration
Instrumentation filtration
Laboratory point of use protection
Critical instrumentation protection
General in-line and process protection

Industries

Alternative fuels
Automotive
Chemical manufacturing
CNG services
Compressed air and gas
Electronics
Food processing and packaging
Laboratories
Oil refinery
Pharmaceutical
Power generation
Waste disposal

The MicraGold Series is a range of high precision machined aluminium filter housings, specifically designed for the filtration of oil, water and particulate from compressed air or gas streams.

- Designed to suit OEM applications
- All aluminium parts are anodised to give corrosion protection
- Available in both 10 and 16 barg pressure ranges
- The 10 barg range is supplied with a transparent polycarbonate bowl for easy visual monitoring of performance and service life
- All pipe connections are NPT taper threads as standard, other thread forms are available on request
- All housings are supplied with a manual drain unless otherwise specified

All MicraGold housings are supplied complete with a specified grade of MicraTube or MicraLescer, dependent upon the specific application.

- **MicraTube** offers a wide range of filtration efficiency
- **MicraLescer** is a coalescing filter cartridge which removes oil aerosols and particulate matter
- Both filter cartridges offer high temperature tolerance and broad chemical resistance*
- Cost effective design

* see chemical resistance table at www.micrafilter.com for details of chemical suitability or contact Micrafilter on :-

Technical Specification

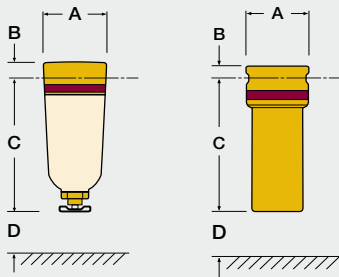
MicraGold Series

10 Barg Model	16 Barg Model	Pipe Size (NPT)	Flow Rate (see note 1)			Dimensions mm (inches)				MicraTube/ MicraLescer Part Number	Mounting Bracket
			Nm³/h	L/min	SCFM	A	B	C	D		
MG-101-1232-[Grade]	MG-161-1232-[Grade]	1/8	8.5	141	5	38 (1.5")	10 (0.4")	97 (3.8")	40 (1.6")	[Grade] 1232	MBK1
MG-102-1232-[Grade]	MG-162-1232-[Grade]	1/4	11	169	6	38 (1.5")	10 (0.4")	97 (3.8")	40 (1.6")	[Grade] 1232	MBK1
MG-102-2564-[Grade]	MG-162-2564-[Grade]	1/4	29	481	17	67 (2.6")	17 (0.7")	132 (5.2")	75 (3")	[Grade] 2564	-
MG-104-2564-[Grade]	MG-164-2564-[Grade]	1/2	60	991	35	67 (2.6")	17 (0.7")	132 (5.2")	75 (3")	[Grade] 2564	-
-	MG-164-2178-[Grade]	1/2	90	1500	53	67 (2.6")	17 (0.7")	240 (9.5")	160 (6.3")	[Grade] 2178	

Ordering:

Each filter housing is supplied complete with a specified grade of element.

For information on each grade, see table below – or see **MicraTube** and **MicraLescer** individual data sheets.



MG10 Series

MG16 Series

Technical Notes

- 1 Polycarbonate bowls are not suitable for use with certain synthetic oils. Please consult your specific oil technical data sheet.

Element Type	Grade	Efficiency, air & gas at 0.3 micron	Efficiency, liquid 98% at
MicraTube	MTA	99.9998%	0.3 micron
	MTB	99.9998%	0.9 micron
	MTC	99.99%	2 micron
	MTD	99.5%	8 micron
	MTE	95%	25 micron
MicraLescer	MCB	99.9998%	0.9 micron
	MCC	99.99%	2 micron
	MCD	99.5%	8 micron
	MCE	95%	25 micron

Specification	10 Barg	16 Barg
Model	MG-101, 102, 104	MG-161, 162, 164
Filter material	Aluminium with Polycarbonate bowl	Aluminium
Maximum operating pressure	10 barg (145 psig)	16 barg (232 psig)
Seal material	Viton	Viton
Temperature range	0°C to 50°C (-40°F to 250°F)	0°C to 120°C (-40°F to 250°F)

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	11	12	13	14	15	16
	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
														For MicaGold 16 Barg models only					

For MicraGold 16 Barg models only