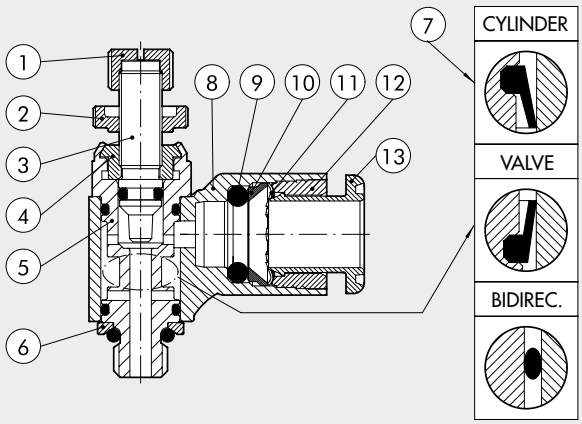
FLOW MICROREGULATOR SERIES MRF COMPACT N and COMPACT O

Main features:
- reduced dimensions
- excellent regulation
- regulation with a screwdriver and disposable anti-tampering cap (COMPACT O)
- regulation with either a screwdriver and/or a knob, can be fixed with a ring nut (COMPACT N)
- available in all sizes (from M5 to G1/2) with a brass or a technopolymer ring
- available (from 10-32 UNF to 1/2 NPT) only with brass ring version COMPACT N
- can be mounted with an automatic screwdriver
- comes with a ring that can rotate even with the MRF mounted in position.

TECHNICAL DATA METRIC or G (BSP)		M5			G1/8				G1/4				G3/8			G1/2
Pipe		Ø 4	Ø 5*	Ø 6	Ø 4	Ø 5*	Ø 6	Ø 8	Ø 6	Ø 8	Ø 10	Ø 12	Ø 8	Ø 10	Ø 12	Ø 12
Max input pressure	MPa	1														
	bar	10														
	psi	145														
Temperature range: Technopolymer ring	°C	– 10 to + 50														
	°F	+ 14 to + 122														
Brass ring	°C	– 10 to + 70														
	°F	+ 14 to +158														
Max flow rate on regulation at 6.3 bar	Nl/min	150	155	155	350	360	380	400	750	850	950	1000	1250	1300	1400	2000
Max flow rate on exhaust at 6.3 bar with closed needle	Nl/min	140	145	150	300	320	350	390	450	500	500	550	1030	1050	1250	1750
Max flow rate on exhaust at 6.3 bar with open needle	Nl/min	240	245	245	450	510	600	650	850	1050	1150	1250	1700	1700	2100	2700
Regulation		Manual (COMPACT N only) or using a screwdriver														
Internal system		Tapered needle														
Fluid		Filtered, lubricated or unlubricated compressed air														
* Pipe Ø 5 is only available with a brass ring																

TECHNICAL DATA UNF or NPT		10-32 UNF		1/8 NPT				1/4 NPT				3/8 NPT		1/2 NPT
Pipe		Ø 5/32	Ø 1/4	Ø 5/32	Ø 1/4	Ø 5/16	Ø 3/8	Ø 1/4	Ø 5/16	Ø 3/8	Ø 1/2	Ø 3/8	Ø 1/2	Ø 1/2
Max input pressure	MPa	1												
	bar	10												
	psi	145												
Temperature range: Brass ring	°C	– 10 to + 70												
	°F	+ 14 to +158												
Max flow rate on regulation at 6.3 bar	Nl/min	150	155	350	380	400	400	750	850	950	1000	1300	1400	2000
Max flow rate on exhaust at 6.3 bar with closed needle	Nl/min	140	150	300	350	390	390	450	275	500	550	1050	1250	1750
Max flow rate on exhaust at 6.3 bar with open needle	Nl/min	240	245	450	600	650	650	850	1050	1150	1250	1700	2100	2700
Regulation		Manual or using a screwdriver												
Internal system		Tapered needle												
Fluid		Filtered, lubricated or unlubricated compressed air												

TYPE N COMPONENTS - M5 THREAD - 10-32 UNF

① Nichel-plated brass knob
② Nickel-plated brass securing ring nut
③ Brass needle
④ Nickel-plated brass bush
⑤ Nickel-plated brass body
⑥ Nickel-plated brass retaining ring
⑦ NBR gasket
⑧ Nickel-plated or technopolymer brass revolving ring
⑨ NBR gasket
⑩ Technopolymer spring supporting ring
⑪ Stainless steel grabbing spring
⑫ Technopolymer retaining bush
⑬ Technopolymer release bush