

FLOW MICRO-REGULATOR SERIES MRF HIGH-FLOW

Main features:

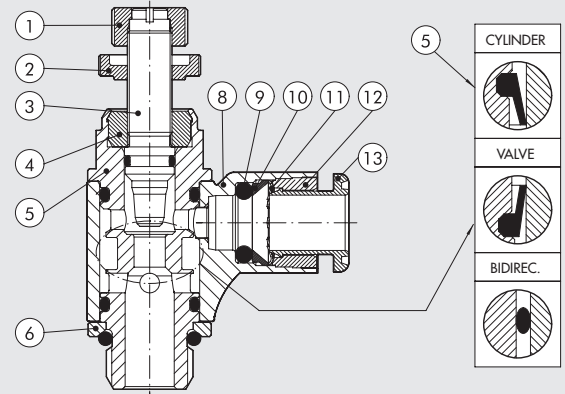
- high flow rate during regulation and discharge
- excellent regulation features
- regulation using a screwdriver and/or a knob and fixing using a ring nut
- available in sizes 1/8 and 1/4 only with a technopolymer ring
- can be mounted with an automatic screwdriver
- fitted with a swivel ring with the MRF mounted in position.



TECHNICAL DATA		1/8			1/4			
		Ø 4	Ø 6	Ø 8	Ø 6	Ø 8	Ø 10	Ø 12
Pipe								
Max input pressure	MPa				1			
	bar				10			
	psi				145			
Temperature range: technopolymer ring	°C				- 10 to + 50			
	°F				+ 14 to + 122			
Max flow rate on regulation at 6.3 bar	Nl/min	500	600	650	850	900	1150	1200
Max flow rate on exhaust at 6.3 bar with closed needle	Nl/min	400	500	600	700	850	875	950
Max flow rate on exhaust at 6.3 bar with open needle	Nl/min	500	750	900	1000	1250	1350	1450
Regulation		Manual or via screwdriver						
Internal system		Tapered needle						
Fluid		Filtered, lubricated or unlubricated compressed air						

COMPONENTS

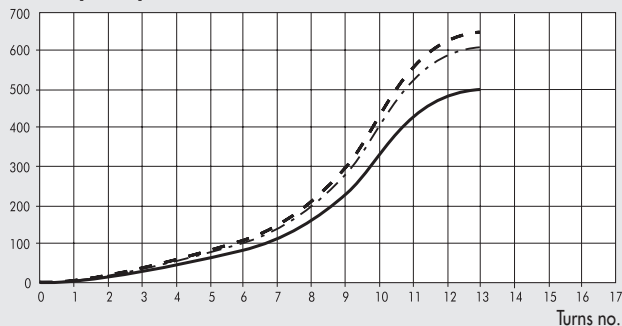
- 1 Nickel-plated brass knob
- 2 Nickel-plated brass securing ring nut
- 3 Brass needle
- 4 Nickel-plated brass bush
- 5 Nickel-plated brass body
- 6 Nickel-plated brass retaining ring
- 7 NBR gasket
- 8 Technopolymer swivel ring
- 9 NBR gasket
- 10 Technopolymer spring supporting ring
- 11 Stainless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



FLOW CHARTS

MRF 1/8

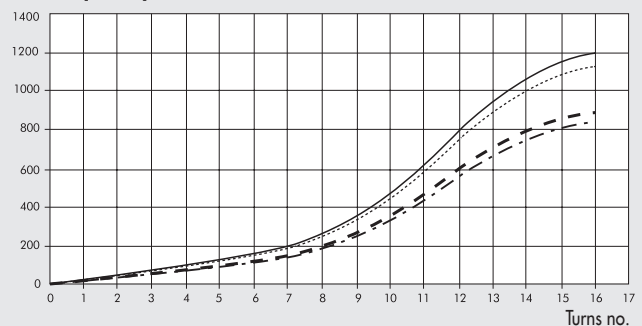
Flow rate [Nl/min]



———— Ø4 (5/32")
 - - - - - Ø6 - Ø1/4"
 - · - · - · Ø8 (5/16")
 · · · · · Ø10 - Ø3/8"

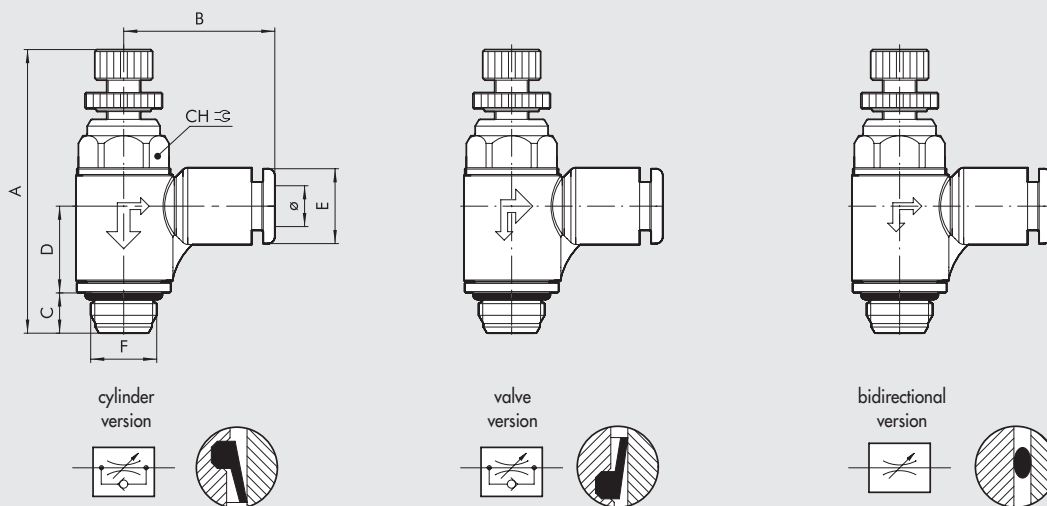
MRF 1/4

Flow rate [Nl/min]



———— Ø12 - Ø1/2"
 - - - - - Ø10 - Ø3/8"
 - · - · - · Ø8 - Ø3/8"
 · · · · · Ø6 - Ø1/4"

MRF HIGH-FLOW



Code	Description	F	Ø	CH	A min	A max	B	C	D	E
9025002C	MRF H T C 4 1/8	1/8	4	12	38.5	43.3	21	6	12.9	9.2
9025102V	MRF H T V 4 1/8	1/8	4	12	38.5	43.3	21	6	12.9	9.2
9025602B	MRF H T B 4 1/8	1/8	4	12	38.5	43.3	21	6	12.9	9.2
9025006C	MRF H T C 6 1/8	1/8	6	12	38.5	43.3	22.3	6	12.9	11.3
9025106V	MRF H T V 6 1/8	1/8	6	12	38.5	43.3	22.3	6	12.9	11.3
9025606B	MRF H T B 6 1/8	1/8	6	12	38.5	43.3	22.3	6	12.9	11.3
9025008C	MRF H T C 8 1/8	1/8	8	12	38.5	43.3	25.6	6	12.9	13.8
9025108V	MRF H T V 8 1/8	1/8	8	12	38.5	43.3	25.6	6	12.9	13.8
9025608B	MRF H T B 8 1/8	1/8	8	12	38.5	43.3	25.6	6	12.9	13.8
9025007C	MRF H T C 6 1/4	1/4	6	15	44.3	49.8	24.3	8	15	11.3
9025107V	MRF H T V 6 1/4	1/4	6	15	44.3	49.8	24.3	8	15	11.3
9025607B	MRF H T B 6 1/4	1/4	6	15	44.3	49.8	24.3	8	15	11.3
9025009C	MRF H T C 8 1/4	1/4	8	15	44.3	49.8	27.2	8	15	13.8
9025109V	MRF H T V 8 1/4	1/4	8	15	44.3	49.8	27.2	8	15	13.8
9025609B	MRF H T B 8 1/4	1/4	8	15	44.3	49.8	27.2	8	15	13.8
9025011C	MRF H T C 10 1/4	1/4	10	15	44.3	49.8	28.6	8	15	16
9025111V	MRF H T V 10 1/4	1/4	10	15	44.3	49.8	28.6	8	15	16
9025611B	MRF H T B 10 1/4	1/4	10	15	44.3	49.8	28.6	8	15	16
9025014C	MRF H T C 12 1/4	1/4	12	15	44.3	49.8	31	8	15	19.5
9025114V	MRF H T V 12 1/4	1/4	12	15	44.3	49.8	31	8	15	19.5
9025614B	MRF H T B 12 1/4	1/4	12	15	44.3	49.8	31	8	15	19.5

SYNOPTIC, SIZES AND VERSIONS

M R F FAMILY	H TYPE	T RING	C FUNCTION	4 Ø PIPE	1/8 Ø THREAD
Flow microregulator	H High flow	T Technopolymer with push-in fitting	C For cylinder V For valve B Bidirectional	4: Ø 4 6: Ø 6 8: Ø 8 10: Ø 10 12: Ø 12	1/8: 1/8 1/4: 1/4