

FLOW MICRO-REGULATOR SERIES MRFX

Main features:

- AISI 316L (EN 1.4404) stainless steel body and FKM/FPM seals
- reduced dimensions
- excellent regulation
- adjustment using an Allen wrench
- available in Ø4 - Ø6 - Ø8 - Ø10 and 1/8" - 1/4" - 3/8" threaded ports
- comes with a ring that can rotate even with the MRF mounted in position.

CERTIFIED

- NSF/ANSI 169 standard: products in contact with food.



COMPONENT

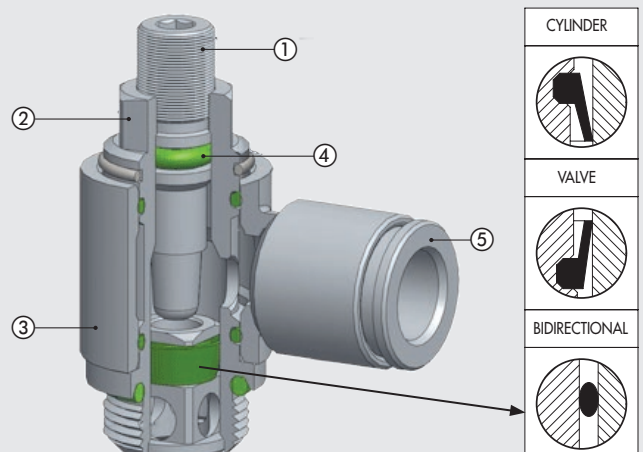


TECHNICAL DATA

		1/8"			1/4"			3/8"
Pipe		Ø4	Ø6	Ø8	Ø6	Ø8	Ø10	Ø10
Max input pressure	MPa	1						
	bar	10						
	psi	145						
Temperature range	°C	-20 to 150						
	°F	-4 to 302						
Max flow rate on regulation at 6.3 bar	Nl/min	150	190	200	380	430	500	1000
Max flow rate on exhaust at 6.3 bar with closed needle	Nl/min	60	110	110	190	250	300	470
Max flow rate on exhaust at 6.3 bar with open needle	Nl/min	80	200	250	250	350	380	1000
Regulation		Allen wrench						
Internal system		Tapered needle						
Fluid		Filtered, lubricated or unlubricated compressed air						

COMPONENTS

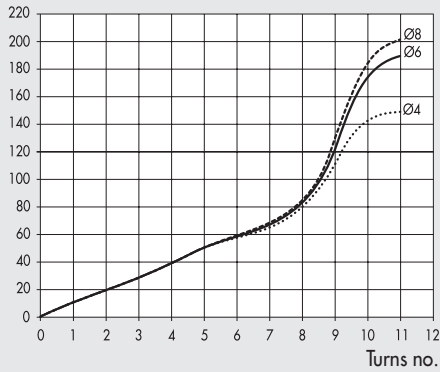
- 1 REGULATION NEEDLE: AISI 316L stainless steel
- 2 BODY: AISI 316L stainless steel
- 3 REVOLVING RING: AISI 316L stainless steel
- 4 GASKET: FKM/FPM
- 5 RELEASE BUSHING: AISI 316L stainless steel



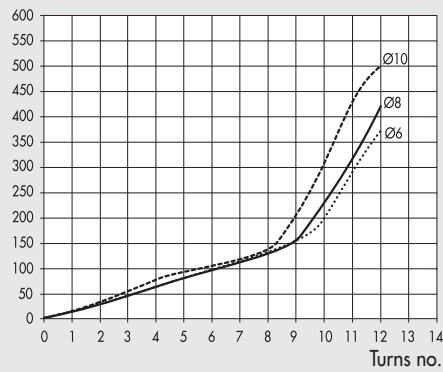
FLOW CHARTS

MRFX 1/8" - PIPE \varnothing 4 - \varnothing 6 - \varnothing 8

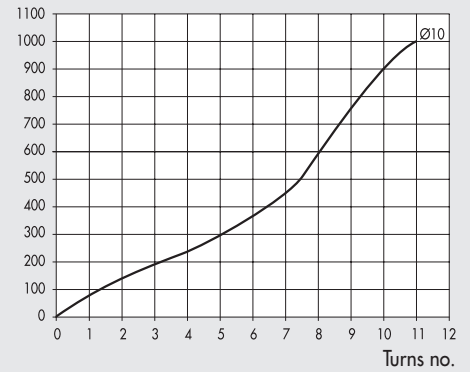
Flow rate [Nl/min]

MRFX 1/4" - PIPE \varnothing 6 - \varnothing 8 - \varnothing 10

Flow rate [Nl/min]

MRFX 3/8" - PIPE \varnothing 10

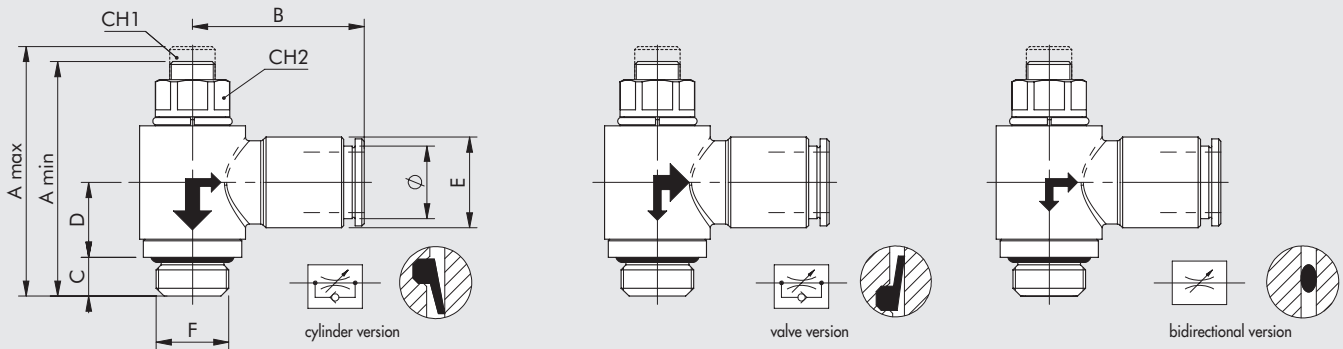
Flow rate [Nl/min]



SYNOPTIC, SIZES AND VERSIONS

M R F FAMILY	O TYPE	X MATERIAL	C FUNCTION	4 Ø PIPE	1/8 Ø THREAD
Flow micro-regulator	O Needle with hexagon socket	X AISI 316L stainless steel	C For cylinder V For valve B Bidirectional	4 Ø 4 6 Ø 6 8 Ø 8 10 Ø 10	1/8 G 1/8" 1/4 G 1/4" 3/8 G 3/8"

DIMENSIONS AND ORDERING CODES



Code	Description	F	Ø	CH1	CH2	A min	A max	B	C	D	E
9001011CX	MRF OXC 4 1/8	1/8	4	2	9	29	32	19.5	5	10.5	9
9001011VX	MRF OXV 4 1/8	1/8	4	2	9	29	32	19.5	5	10.5	9
9001011BX	MRF OXB 4 1/8	1/8	4	2	9	29	32	19.5	5	10.5	9
9001003CX	MRF OXC 6 1/8	1/8	6	2	9	29	32	22	5	10.5	12
9001003VX	MRF OXV 6 1/8	1/8	6	2	9	29	32	22	5	10.5	12
9001003BX	MRF OXB 6 1/8	1/8	6	2	9	29	32	22	5	10.5	12
9001004CX	MRF OXC 6 1/4	1/4	6	3	10	35	40	23.5	6.5	11.5	12
9001004VX	MRF OXV 6 1/4	1/4	6	3	10	35	40	23.5	6.5	11.5	12
9001004BX	MRF OXB 6 1/4	1/4	6	3	10	35	40	23.5	6.5	11.5	12
9001005CX	MRF OXC 8 1/8	1/8	8	2	9	29	32	22.5	5	10.5	14
9001005VX	MRF OXV 8 1/8	1/8	8	2	9	29	32	22.5	5	10.5	14
9001005BX	MRF OXB 8 1/8	1/8	8	2	9	29	32	22.5	5	10.5	14
9001006CX	MRF OXC 8 1/4	1/4	8	3	10	35	40	24	6.5	11.5	14
9001006VX	MRF OXV 8 1/4	1/4	8	3	10	35	40	24	6.5	11.5	14
9001006BX	MRF OXB 8 1/4	1/4	8	3	10	35	40	24	6.5	11.5	14
9001008CX	MRF OXC 10 1/4	1/4	10	3	10	35	40	26.5	6.5	11.5	16
9001008VX	MRF OXV 10 1/4	1/4	10	3	10	35	40	26.5	6.5	11.5	16
9001008BX	MRF OXB 10 1/4	1/4	10	3	10	35	40	26.5	6.5	11.5	16
9001009CX	MRF OXC 10 3/8	3/8	10	4	14	42	52	28	9	13	16
9001009VX	MRF OXV 10 3/8	3/8	10	4	14	42	52	28	9	13	16
9001009BX	MRF OXB 10 3/8	3/8	10	4	14	42	52	28	9	13	16