NON-MODULAR FRL SERIES M, T & N

Pressure Microregulator Series M

Ports 1/8", 1/4" NPTF
Nipple type

Regulator calibrated or blocked upon request

The Series "M" pressure regulator is available with 1/8" and 1/4" NPTF ports. Its design incorporates a relieving diaphragm so as to allow incremental adjustments as well.

Microregulators are available with optional regulation types: non-relieving, very sensitive self-relieving (through a light air leak) and VS (valve with fast draining).

The regulator with sensitive self-relieving allows a more precise regulation. These regulators, which have very small dimensions, may be mounted directly on pipes or on a console.

TECHNICAL SPECIFICATIONS

Construction	Diaphragm type - nipple type
Materials	Nickel-Plated brass, body, Buna-N seals, Nylon knob, internals in brass
Threaded ports	1/8", 1/4" NPTF
Weight	Kg 0.235 = .5 lbs
Pressure gauge port	1/8" NPTF
Type of mounting	In-line or panel mounting (in any position)
Operating temperature	-5° C - 50° C, (23° F - 122° F), with Dew Point of air at least 2° C (4° F) below the min working temperature

PNEUMATIC DATA

|	
Inlet pressure	0 — 16 bar (0 — 232 psi)
Outlet pressure	0.5 —10 bar (7.25 — 145 psi), optional outlet pressure ranges offered
Nominal flow	See graph
Secondary pressure relieving	Standard = self relieving, non-relieving, and fast-response control relieving

CODING EXAMPLE

M	0	04	-	R	0	0		TF

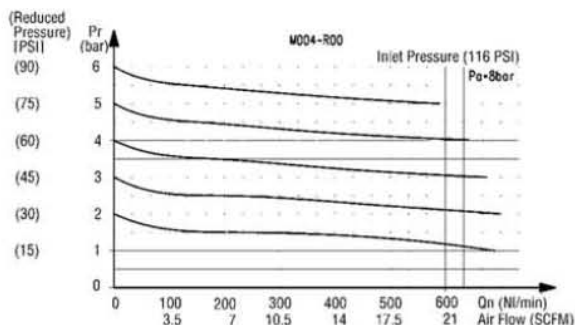| M	SERIES
0	SIZE
04	PORTS: 08 = 1/8 04 = 1/4
R	REGULATOR
0	OPERATING PRESSURE: 0 = 0.5 — 10 bar (7.25 - 145 psi) 1 = 0 — 4 bar (0 - 58 psi) 2 = 0 — 2 bar (0 - 29 psi) 7 = 0.5 — 7 bar (7.25 - 103 psi)
0	DESIGN TYPE: 0 = self relieving diaphragm 1 = non relieving 5 = fast-response control, (metal-to-metal seat),relieving
	REGULATION TYPE "Blank" = without high relief flow VS = high relief flow, rapid exhaust flow
TF	PORT TF = NPTF Blank = BSPP thread ports

FLOW DIAGRAMS

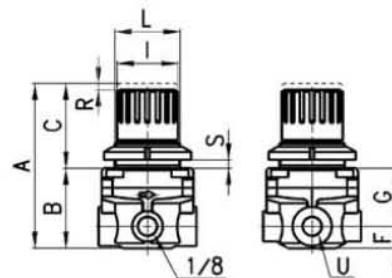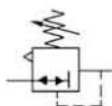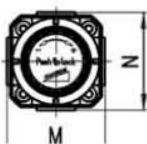### M008-R00TF - 1/8" Model
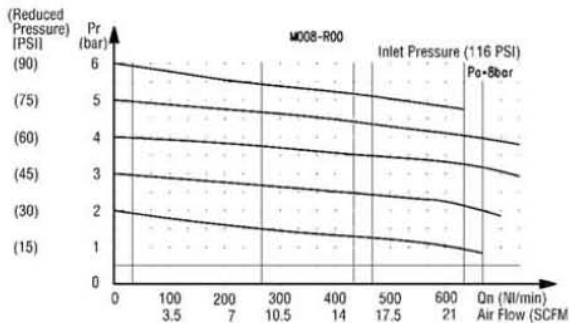
Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow

M004-R00TF - 1/4" Model

Pa = Inlet pressure
Pr = Regulated pressure
Qn = Flow

Microregulator, Series M

DIMENSIONS (in inches)											
Mod.	A	B	C	F	G	I	L	M	N	R	S	U
M008-R00TF	2.992	1.457	1.535	.394	1.063	1.102	30x1.5	1.772	1.772	.118	0 - .236	1/8" NPTF
M004-R00TF	2.992	1.457	1.535	.394	1.063	1.102	30x1.5	1.772	1.772	.118	0 - .236	1/4" NPTF

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