bit micro-regulator

Micro-regulator with rolling diaphragm.

- Preset pressure stability as the upstream pressure varies.High flow rates with reduced pressure drops
- Quick overpressure exhaust

Versions available

bit FC: controlled relief to allow greater accuracy in regulation by means of slight continuous air relief.

bit for water: used to regulate the pressure in water circuits; without blowoff valve

bit SR: for use when the downstream circuit needs to be relieved quickly as the upstream pressure drops. Mount the SR regulator between the power supply valve and the point of use.

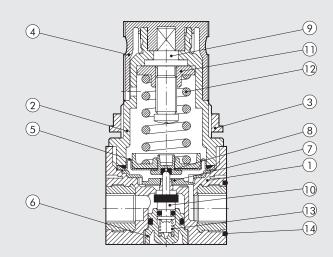


TECHNICAL DATA		MR BIT 1/8"	MR BIT 1/4"		
Threaded port		1/8″	1/4"		
Setting range		0 to 2 - 0 to 4 - 0 to 8 - 0 to 12			
Max. inlet pressure	MPa	1.3			
	bar	1.	3		
	psi	18	38		
Flow rate at 6.3 bar (0.63 MPa to 91 psi) ΔP 0.5 bar (0.05 MPa to 7 psi)	NI/min	34	40		
	scfm	1:	2		
Flow rate at 6.3 bar (0.63 MPa to 91 psi) ΔP 1 bar (0.1 MPa to 14 psi)	NI/min	60	00		
	scfm	2	1		
Max temperature at 1 MPa; 10 bar; 145 psi	°C	5	0		
	°F	12	22		
Weight	g	80			
Wall fixing screws		M4 by means of the bracket provided			
pe port		G 1/8"			
Mounting position		In any position			
Fluid		Filtered, lubricated or unlubricated compressed air. Lubrication, if used, must be continuous.			
Notes		The regulator pressure mus			
		For increased sensitivity, use a pressure regulator with a rated pressure			
		as close as possible to the required value.			

COMPONENTS

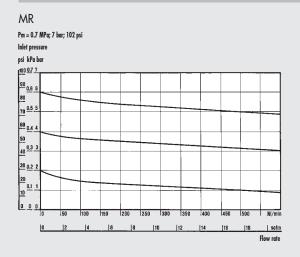
- Technopolymer body with OT58 threaded element
 Technopolymer bell
 Technopolymer fixing ring nut
 Technopolymer knob
 Rolling diaphragm
 Technopolymer plug
 Technopolymer anti-vibration screen
 NBR relieving gasket
 OT58 brass adjusting screws
 OT58 valve with NBR vulcanized gasket
 OT58 brass nut

- ① OT58 brass nut
- 12 Steel adjusting spring
- 3 Stainless steel valve compression spring
- (4) NBR gaskets

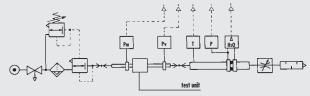




FLOW CHARTS

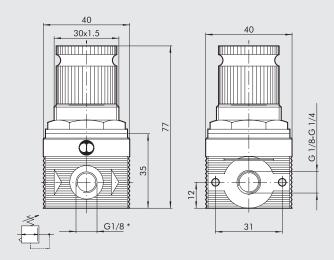






• Flow tests carried out at the Department of Mechanics, Turin Polytechnic, using the computerized test bench following CETOP RP50R recommendations (ISO DIS 6358-2-approved) with ISO 5167 diaphragm gauge.

DIMENSIONS



* Pressure gauge port

SYNOPTIC, SIZES AND VERSIONS

MR	BIT	FC	1/8	02
ELEMENT	SIZE	VERSION	THREADED PORT	CONDENSATE DRAIN
MRA	BIT	FC = Controlled relief SR = Quickly relieved = Standard Without relief (for WATER)	PORT 1/8" 1/4"	02 = 0 to 2 bar 04 = 0 to 4 bar 08 = 0 to 8 bar 012 = 0 to 12 bar

ORDERING CODES

ORDERING	
Code	Description
MICROREGU	
5107004	MR BIT 1/8 012
5107001	MR BIT 1/8 02
5107002	MR BIT 1/8 04
5107003	MR BIT 1/8 08
5207004	MR BIT 1/4 012
5207001	MR BIT 1/4 02
5207002	MR BIT 1/4 04
5207003	MR BIT 1/4 08
	LATOR WITH CONTROLLED RELIEF
5111001	MR BIT FC 1/8 02
5111002	MR BIT FC 1/8 04
5211001	MR BIT FC 1/4 02
5211002	MR BIT FC 1/4 04
MICROREGU	LATOR WITH QUICK RELIEF
5102001	MR BIT SR 1/8 02
5102002	MR BIT SR 1/8 04
5102003	MR BIT SR 1/8 08
5102004	MR BIT SR 1/8 012
5202001	MR BIT SR 1/4 02
5202002	MR BIT SR 1/4 04
5202003	MR BIT SR 1/4 08
5202004	MR BIT SR 1/4 012
WATER MICR	OREGULATOR
5108001	MRA BIT 1/8 02
5108002	MRA BIT 1/8 04
5108003	MRA BIT 1/8 08
5108004	MRA BIT 1/8 012
5208001	MRA BIT 1/4 02
5208002	MRA BIT 1/4 04
5208003	MRA BIT 1/4 08
5208004	MRA BIT 1/4 012