

PRESSURE REGULATORS SERIES MR/..MBR/..



The series-MR pressure regulators are self-operated and spring controlled, with single seat and counterbalanced shutter.

All the types can be equipped with a built-in slam-shut valve which is operated by OS/66-R o OS/66-R-AP

TECHNICAL SPECIFICATIONS

- **COUNTERBALANCING:**
By diaphragm for MR/...MBR/... types
By piston for MR/...-AP, MBR/...-AP, MR/...-APA, MBR/...-APA types.
- **AVAILABLE DIAMETERS:**
DN 50
- **FLANGE RATING:**
PN 16 UNI 2240
ANSI 150
- **IMPULSE CONNECTION:**
external

(Pressures in bars)		
Flange rating	PN 16	ANSI 150
Allowable pressure (Pzul)	16	19
Hydraulic test pressure	24	30

Max inlet pressure (Pemax)	MR/ MBR/ -AP -APA	5 19
Regulated pressure (Pas)	MR/ MBR/ -AP -APA	0.008÷0.5 0.5÷1 1÷3

Precision classes:	
	PN 16 ANSI 150
Regulating class (RG)	≥ 5 %
Closing pressure class (SG)	≥ 10 %
Working temperature	-20 ÷ +60 °C

Cg / C1			
Type	DN	Cg	C1
MR/50	50	1100	25

In order to keep the pressure value within $\pm 5\%$ of the set point value (RG 5) from the max. flow rate to 10% of it and with a closing overpressure of $\leq 10\%$ of the set point (SG 10), the relating flow rate values obtained, must be limited within 70% approx.

O.M.T. Tartarini reserves the right to modify the content of the following document in any moment and according to market and production requirements.

03	modificato campo temperatura esercizio	11/06/99	CASELLI	
02	Eliminati DN 25/40/65/80/100	16/10/97	CASELLI	ZECCHI
01	Aggiunti valori taratura	09/02/95	MAURIZZI R.	CAZZOLI
00	PRIMA EMISSIONE	16/10/97	MAURIZZI R.	CAZZOLI
REV	MODIFICATION DESCRIPTION	DATE	DRAWN UP	APPROVED

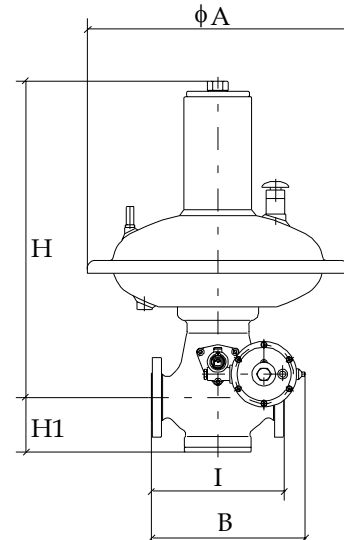
USAGE FEATURES

- Normal service: gaseous fluids.
- Installation in pipelines with horizontal axis.

STRUCTURAL FEATURES

DIMENSIONS (in mm)

PN 16 & ANSI 150							
	ϕA		H		H1	I	B
Type/DN		AP		AP			
MR-MBR/50	500	416	606	618	113	254	293



MATERIALS

BODY	ASTM-A 216 WCB
COVERS	Fe 360 B UNI EN 10025
VALVE SEAT	AISI 420
DIAPHRAGM	NBR rubber + cloth
GASKETS	PC 851

SAFETY DEVICES TO BE USED

- MR type regulator: /
- MBR type regulator:
OS/66-R OS/66-R-AP

(Pressures in bars)

OS/66 -R	OS/66 - R - AP
0.025÷0.5	0.2÷4

FEATURES

- Strength, according to DIN 3380: 19 bars
- Calibration range: max.0,025÷4 bars
min.0,007÷0,7 bars
- Working temperature: - 15 + 60 °C
- Line connections: 1/8" NPT

MATERIALS

BODY	GD Al Si12 Cu2 Fe UNI 5076-74
COVER	ASTM A/105
DIAPHRAGM	Buna-N rubber
GASKETS	PC 851