

## INDUSTRIAL MANIFOLD REGULATOR **MR400**



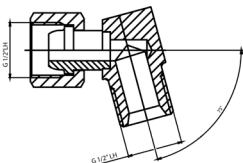
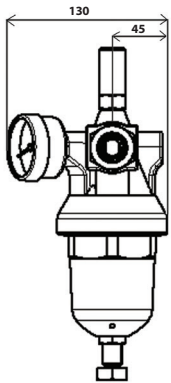
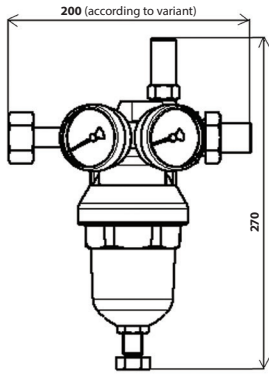
EDITION 1/2013

- MR400 is high pressure high flow regulator for industrial applications.
- Conforming to ISO 7291.
- High compressed gas service (O, D, N, CO<sub>2</sub>, M, H) up to 600Nm<sup>3</sup>/h and up to 300 bar inlet pressure.
- 180° connectors for direct in-line mounting as manifold regulator.
- Integrated inlet filter ensures reliable function of the regulator even with old or dirty upstream pipeworks.
- Contains integrated pressure relief valve.
- It can be used in many applications where is requested high-flow outlet with constant delivery pressure.
- Typical examples: Oxy-fuel cutting and other various oxy-fuel processes, laser process gas service, arc welding shielding gas pressure stabilizing, inertisation, etc.

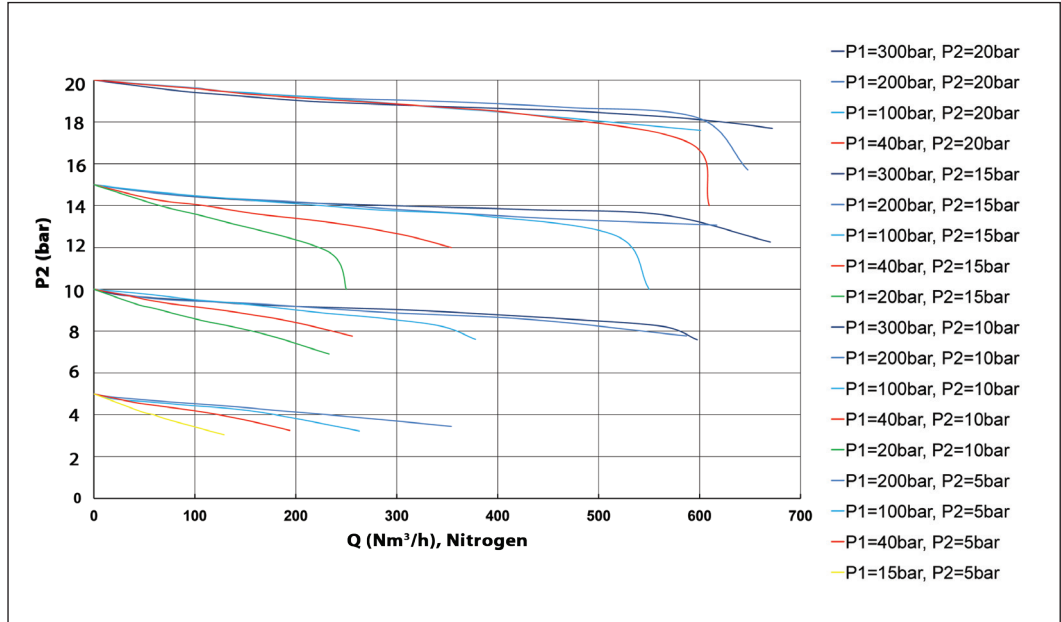


# INDUSTRIAL MANIFOLD REGULATOR MR400

## FLOW CHARACTERISTICS



9458330



Art. Nr.	Gas	Inlet pressure	Inlet connection	Outlet pressure	Outlet conn. EN560
0762915	Oxygen	200 bar	DIN 477-1 Nr.9; G3/4"	20 bar	G1/2" male
0762929	Nitrogen	200 bar	DIN 477-1 Nr.10; W24,32x1/14"	20 bar	G1/2" male
0762931	Argon, Ar/CO <sub>2</sub>	200 bar	DIN 477-1 Nr.6; W21,8x1/14"	20 bar	G1/2" male
0762932	Hydrogen, Methane	200 bar	DIN 477-1 Nr.1; W21,8x1/14"LH	20 bar	G1/2"LH male
0762933	Oxygen	300 bar	DIN 477-5 Nr.59; W30x2; 18,7/17,3	20 bar	G1/2" male
0762934	Nitrogen	300 bar	DIN 477-5 Nr.54; W30x2; 20,1/15,9	20 bar	G1/2" male
0762936	Argon, Ar/CO <sub>2</sub>	300 bar	DIN 477-5 Nr.55; W30x2; 20,8/15,2	20 bar	G1/2" male

## ACCESSORIES

Art. Nr.	Description	Gas	Max. pressure	Inlet conn. EN560	Outlet conn. EN560
9456380	Outlet conn. 75°bent, EN 560	Oxygen/Inert	PN64	G1/2" female	G1/2" male
9458330	Outlet conn. 75°bent, EN 560	Fuel gas	PN64	G1/2"LH female	G1/2"LH male

## TECHNICAL DATA

Bodies and bonnet material:	Brass
Diaphragm material:	Butyl, NBR
Seat sealing:	PA
Inlet filter:	Bronze
Connectors & fittings:	Brass, Stainless steel
Inlet connection:	DIN477, other variants on request
Outlet connection:	G1/2"
Maximal inlet pressure for oxygen:	300 bar
Outlet pressure range:	0-20 bar
Temperature range:	from -20°C to 60°C
Maximal flow rate:	612 Nm <sup>3</sup> /h, Nitrogen
Nominal flow rate:	400 Nm <sup>3</sup> /h, Nitrogen
Coefficient „i“:	0,026
Coefficient „R“:	0,159
Weight:	5,1 kg

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