

R1200

Brass high pressure regulator,
for compressed air, gas and liquids



FEATURES

High pressure regulator for cylinder or manifold; standard version inlet pressure up to 220 bar (3190 psi), higher pressure for special versions.

Ideal for industrial application and for welding equipment.

Inlet connection by nose nipple and hexagon nut G $\frac{3}{4}$ -F. Other connections available on request.

The main valve is balanced for outlet pressure up to 50 bar, in order to ensure a constant outlet pressure when varying the upstream pressure.

Outlet pressure up to 15 bar (218 psi) is controlled by a diaphragm; greater outlet pressures are controlled by a piston.

Available the ATEX 2014/34/EU version.

Brand $\text{CE} \text{ II2GclICTX}$

$\text{CE} \text{ II2DclICTX}$.

For use in potentially explosive atmospheres zones: 1, 21, 2, 22 (not for mines and zone 0).

Available the EAC-EX TP TC 012/2011 versions for the Russian market.

The product complies with the directive 2014/68/EU PED.

SPECIFICATIONS

Gauges: accuracy class 1,6

Regulator weight: ~4.5 Kg (~9,9 lb)

Standard version operating temperature: -20°C ÷ +60°C (-4°F ÷ 140°F)

Main valve leakage classification: VI (bubble tight)

Flow coefficient: $K_v = 0.25 \text{ Nm}^3/\text{h}$ ($C_v = 0,29 \text{ US gal/min}$)

Degree of protection: IP25

MATERIALS

Body and bonnet: brass

Internal parts: brass

Adjusting spring: C85 (not in contact with the fluid)

Main valve spring: C85 (not in contact with the fluid)

Diaphragm (for outlet pressure up to 15 bar): two coupled diaphragms NBR+PTFE, PTFE in contact with the fluid

Piston (for greater outlet pressure): brass

O-rings: EPDM or FPM depending on the fluid (other compounds available on request)

Main valve gasket: PA 6.6 (EPDM for PS 15 bar)

ACCESSORIES

Ring-nut

Kit bracket and ring-nut

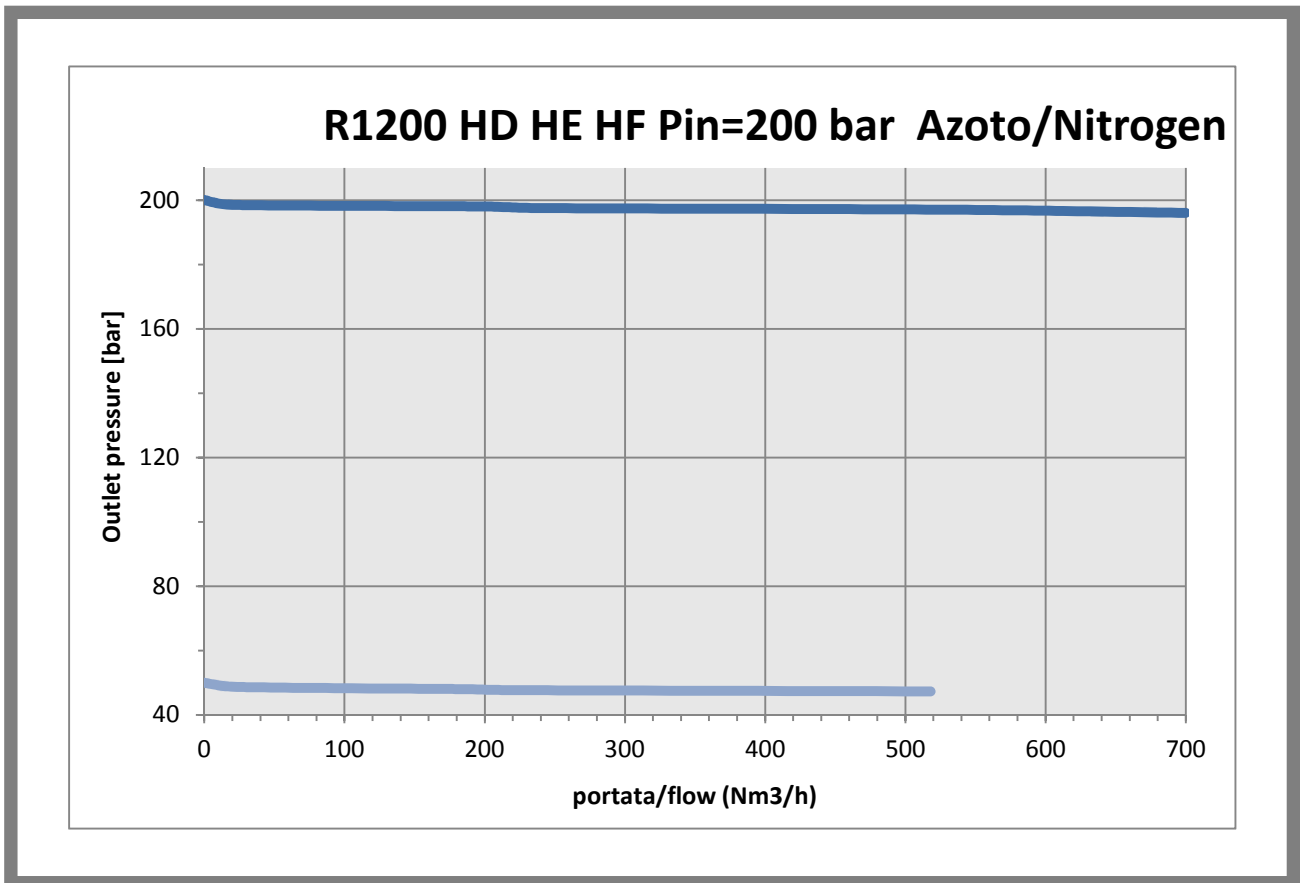
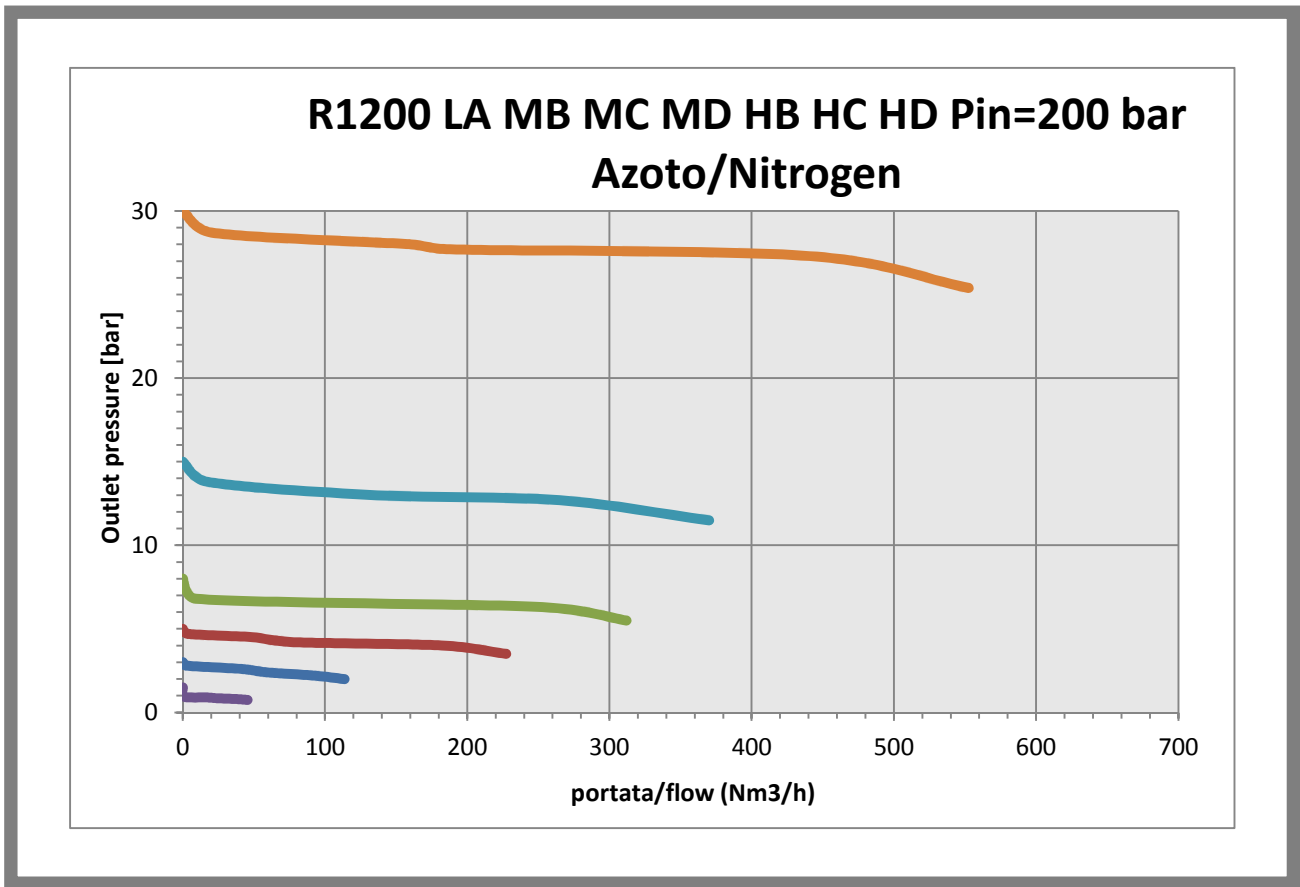
SPARE PARTS

Gauges

Relief valve

Complete kit: gaskets, assembled diaphragm, filter, main valve, O-rings

flow charts



generating the product code

| REGOLATORE R1200 | | | |
|------------------|---------------------------------------|----|-----------------------------------|
| AA BB CC DD E FF | | | |
| AA | Attacchi / Connections | 02 | G 3/4-F Girevole |
| BB | Pressione d'ingresso / Inlet pressure | B0 | PS 15 bar |
| | | J0 | PS 220 bar |
| | | L0 | PS 80 bar |
| CC | Intervallo d'uscita/ Outlet range | A0 | Pout 0,2 - 1,5 bar ^(B) |
| | | E0 | Pout 1,5 - 15 bar ^(B) |
| | | FO | Pout 3-30 bar ^(B) |
| | | G0 | Pout 5-50 bar ^(B) |
| | | V0 | Pout 20-200 bar |
| | | X0 | Pout 10-100 bar |
| DD | Tipologia di fluido / Fluid type | 15 | O2 PED Classe III |
| | | 98 | EPDM |
| | | 99 | FPM |
| E | Marchiato / Marked | I | ID |
| | | Z | Dir ATEX 2014/34/UE |
| FF | Accessori/Accessories | 00 | Nessun accessorio |
| | | 05 | Pretarato |
| | | 11 | Convogliata |

(B): Regolatore bilanciato/ Balanced regulator

CODE COMPOSITION EXAMPLE

1200# 02 J0 E0 98 I 00

1200#: Regulator R1200 in brass

02: Nose nipple and G3/4-F nut

J0: Maximum inlet pressure 220 bar

E0: Outlet pressure range 1,5-15 bar

98: EPDM gaskets

I: Insert Deal

00: No accessories

technical drawings (all dimensions in mm)

