

R31200

**Stainless steel AISI 316L 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 version.

Ideal for industrial application and for welding equipment.

Inlet connection by 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, for a constant outlet pressure when varying the upstream pressure.

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

Available the ATEX 2014/34/EU version.

Brand X II2GcIICTX

X II2DcIICTX.

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 version for the Russian market.

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

SPECIFICATIONS

Gauges: accuracy class 1,6

Regulator weight: ~4.3 Kg (~9,5 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: stainless steel AISI 316L

Internal parts: stainless steel AISI 316L

Adjusting spring: stainless steel AISI 302/C85 nickel plated NiP/Fe 10 µm, not in contact with the fluid

Main valve spring: stainless steel AISI 302/C85 nickel plated NiP/Fe 10 µm, not in contact with the fluid

Diaphragm (for outlet pressure up to 15 bar): stainless steel AISI 316L

Piston (for greater outlet pressure): stainless steel AISI 316L

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

Main valve gasket: PTFE + carbon

ACCESSORIES

Ring-nut P35018030304

Kit bracket and ring-nut M1B306

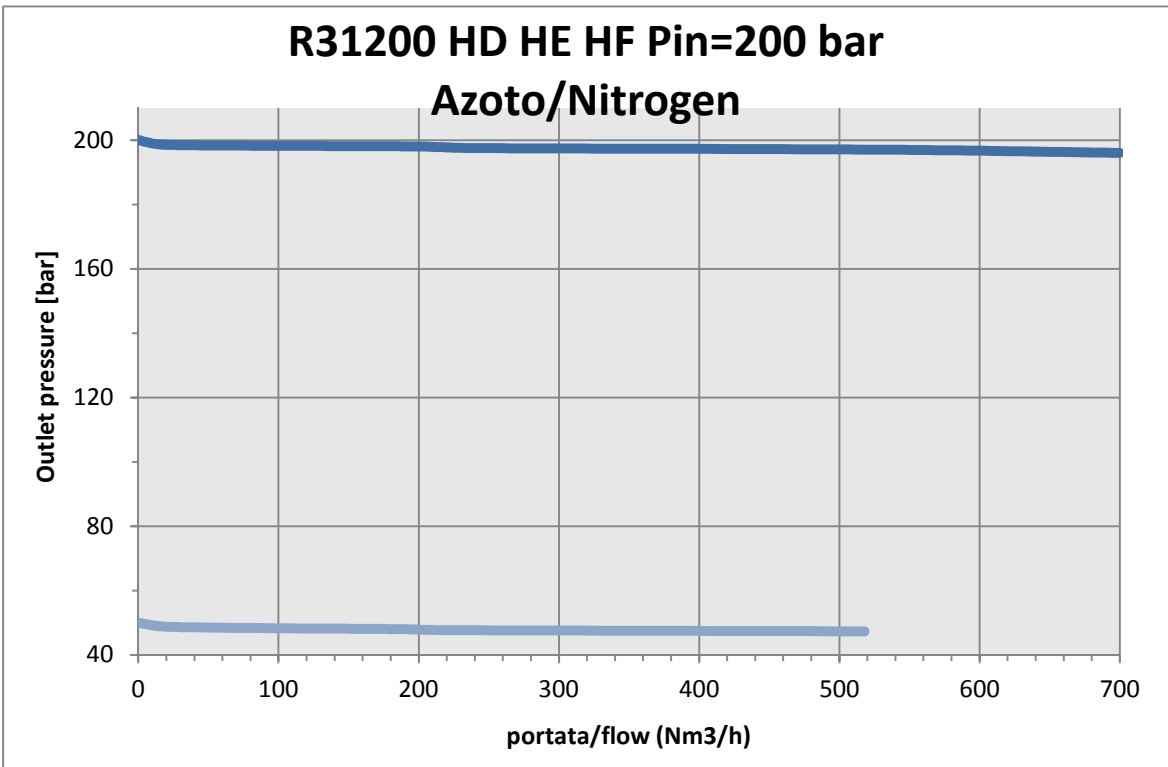
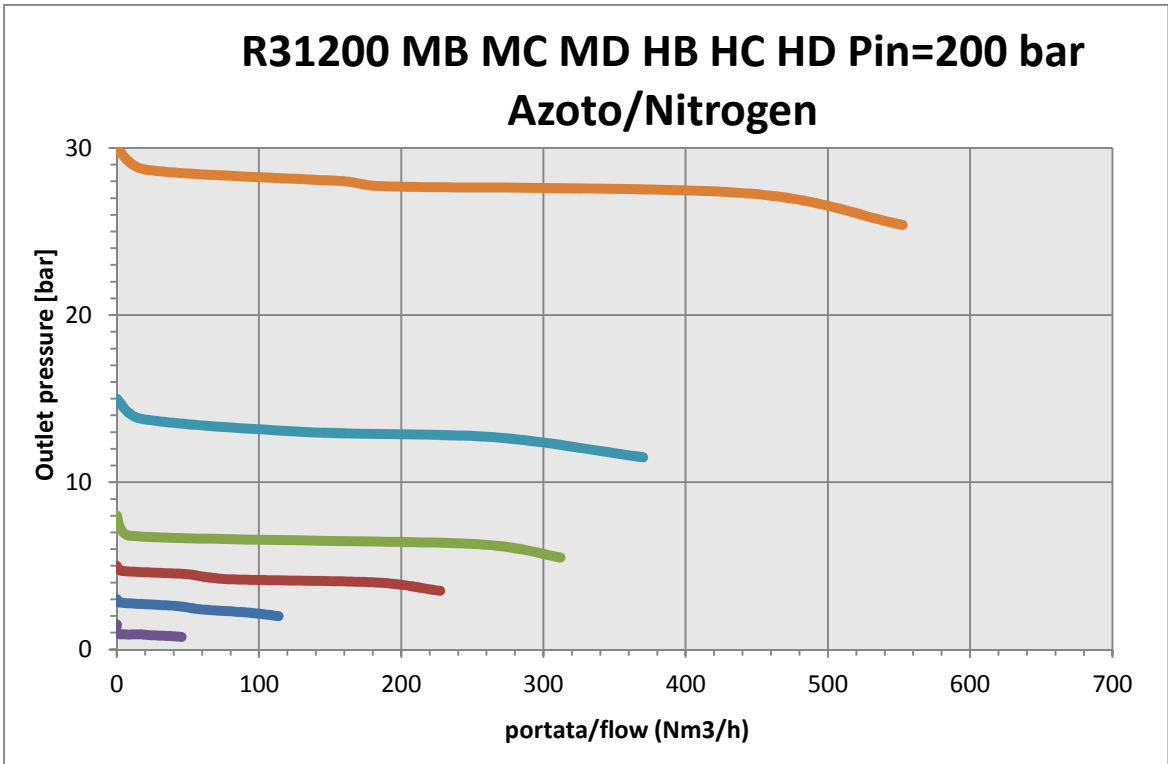
Pilot operated version, pressure setpoint to be controlled by a pilot regulator.

SPARE PARTS

Gauges

Relief valve

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



generating the product code

REGOLATORE R31200 AISI 316			
AA BB CC DD E FF			
AA	Attacchi / Connections	00	Vedi tipo di fluido, tabella DD
		02	G 3/4-F Girevole
BB	Pressione d'ingresso / Inlet pressure	J0	PS 220 bar
		L0	PS 80 bar
CC	Intervallo d'uscita/ Outlet range	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	98	EPDM
		99	FPM
		U5	UNI 11144-5
E	Marchiato / Marked	I	ID
		Z	Dir ATEX 2014/34/EU
FF	Accessori/Accessories	00	Nessun accessorio
		05	Pretarato
		11	Scarico convogliato

(B): Regolatore bilanciato/ Balanced regulator

CODE COMPOSITION EXAMPLE

31200# 02 J0 E0 98 I 00

31200#: Regulator R31200 AISI 316L

02: Nipple and G3/4-F nut

J0: Inlet pressure 220 bar

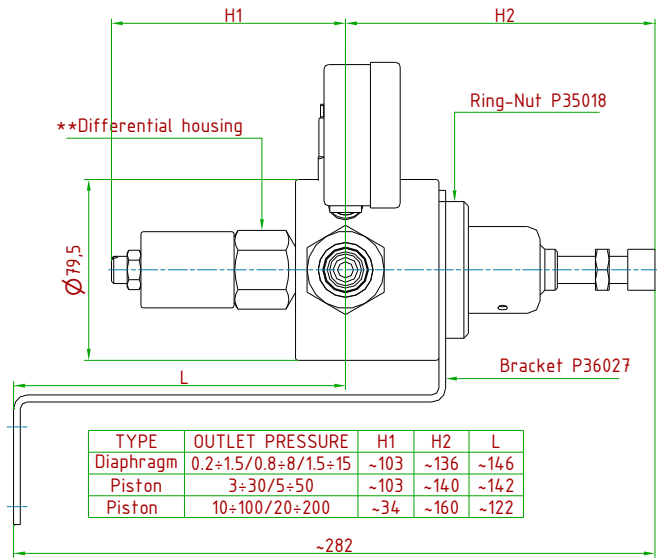
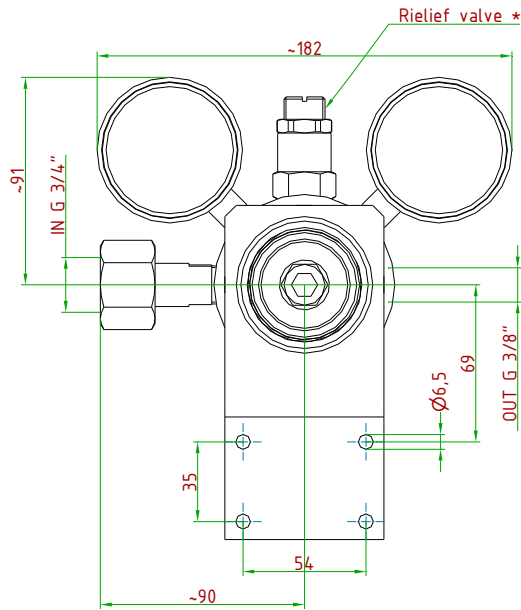
E0: Outlet pressure range 1,5-15 bar

98: EPDM gaskets

I: Insert Deal

00: No accessories

technical drawings (all dimensions in mm)



TYPE	OUTLET PRESSURE	H1	H2	L
Diaphragm	0.2÷1.5/0.8÷8/1.5÷15	~103	~136	~146
Piston	3÷30/5÷50	~103	~140	~142
Piston	10÷100/20÷200	~34	~160	~122

Bracket to be ordered separately, Kit order number: M1B306
* No Relief valve for type piston 100/200 bar
** No differential housing for type piston 100/200 bar

MODEL	IN	OUT
R31200 3/4"GF	G3/4-F	G3/8-F
R31200 3/4"GF SX	G3/4-F SX	G3/8-F

Other connections available on request

ID Insert Deal Srl

Strada dei Boschi, 40
20852 Villasanta (MB) Italia
tel. +39 039 302035
info@idinsertdeal.com
www.idinsertdeal.com

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PRESSURE REGULATOR_R31200_EN_04



Azienda con sistema di gestione qualità certificato.

certificato N° 50 100 9191

Company with certificated quality management system.

certificate N° 50 100 9191