

R3300

Stainless steel AISI 316L high pressure regulator
for compressed air, gas and liquid



FEATURES

Pressure regulator for inlet pressure up to 220 bar (3190 psi) in the standard version, higher pressure for special version.

Ideal for industrial applications where high flow rates are required.

Standard version inlet and outlet connections G3/4-M. Different or flanged connections available on request.

Balanced main valve 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 pressures are controlled by a piston.

Gauges for inlet and outlet pressure.

Available the ATEX version

Brand $\text{CE} \text{Ex} \text{II}2\text{GDcllCX}$.

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

The product complies with the directive 97/23/CE PED.

SPECIFICATIONS

Gauges: accuracy class 1,6

Diaphragm version weight: ~10.5 Kg (~23 lb)

Piston version weight: ~11 Kg (~24 lb)

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

Main valve leakage classification: VI (bubble tight)

Flow coefficient: $K_v = 1,5 \text{ Nm}^3/\text{h}$ ($C_v = 1,76 \text{ US gal/min}$)

Degree of protection: IP25

MATERIALS

Body and bonnet: stainless steel AISI 316L

Internal parts: stainless steel AISI 316L

Main valve spring: C85 nickel plated NiP/Fe 15 µm, not in contact with the fluid

Adjusting spring: C85 nickel plated NiP/Fe 15 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 gaskets: PTFE + carbon

ACCESSORIES

Kit bracket and screws: M1B303

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

Liquids version with rubber diaphragm

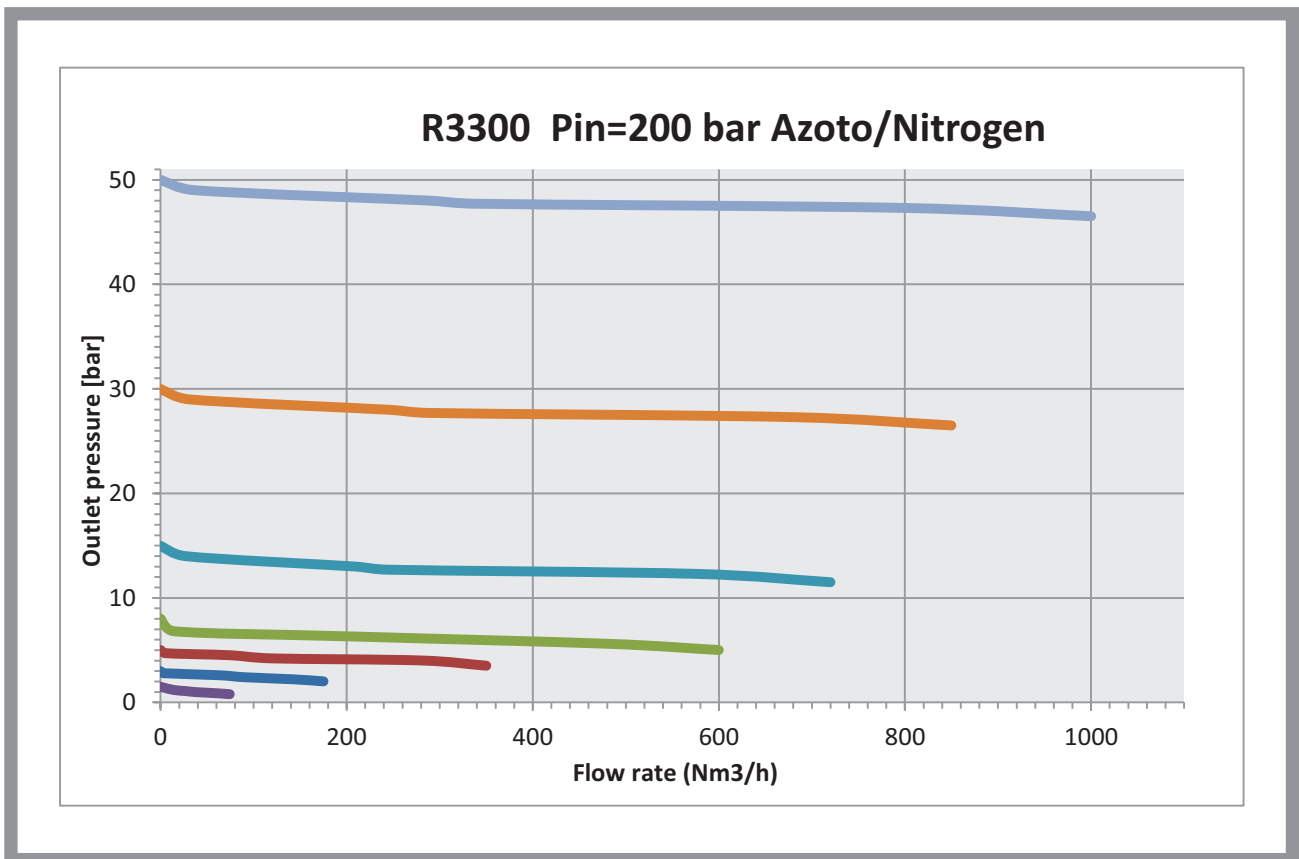
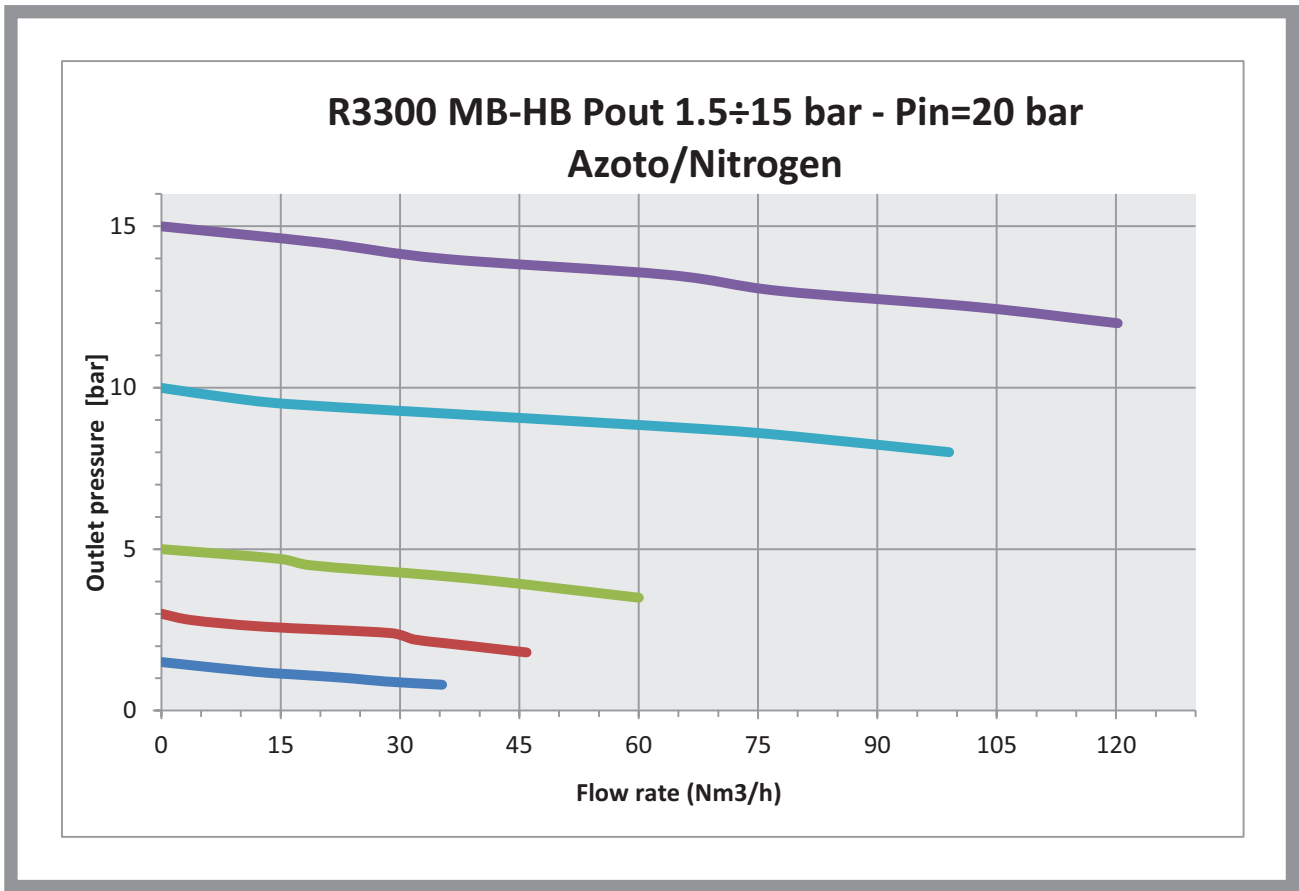
SPARE PARTS

Gauges

Relief valve

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

flow charts



available model type

Regolatori di pressione per alta pressione / High pressure regulators

Regolatori di pressione per alta pressione

in acciaio inox 316L, idonei per aria compressa, gas tecnici e liquidi

Pressure regulators for high pressure,

made of stainless steel 316L, for compressed air technical gases and liquids

Corpo da lavorazione di barra tonda, attacco entrata G 3/4-M

Body by machining round bar, inlet connection G 3/4-M

TYPE	PS bar	P.Out bar	CONNECTION IN	CONNECTION OUT	CODE	MEDIUM
						R3300
R3300 MA	80	0,8-8	G 3/4-M	G 3/4-M	3300#	CO2
R3300 MB	80	1,5-15	G 3/4-M	G 3/4-M	3300#	CO2
R3300 MC	80	3-30	G 3/4-M	G 3/4-M	3300#	CO2
R3300 MD	80	5-50	G 3/4-M	G 3/4-M	3300#	CO2
R3300 HA	220	0,8-8	G 3/4-M	G 3/4-M	3300#	H2 - CH4 Aria - N2 - Ar - He
R3300 HB	220	1,5-15	G 3/4-M	G 3/4-M	3300#	H2 - CH4 Aria - N2 - Ar - He
R3300 HC	220	3-30	G 3/4-M	G 3/4-M	3300#	H2 - CH4 Aria - N2 - Ar - He
R3300 HD	220	5-50	G 3/4-M	G 3/4-M	3300#	H2 - CH4 Aria - N2 - Ar - He
R3300 HE	220	10-100	G 3/4-M	G 3/4-M	3300#	H2 - CH4 Aria - N2 - Ar - He

ATTACCHI DIVERSI DA STANDARD / CONNECTION DIFFERENT FROM STANDARD

Attacchi in/out diversi da standard (nipples esterni 3/4"NPT-M) / Connections different from standard (external nipples 3/4"NPT-M)

Attacchi in/out diversi da standard (nipples esterni 3/4"NPT-F - 1"NPT-F) / Connections different from standard (external nipples 3/4"NPT-F - 1"NPT-F)

Attacchi flangiati / Connections with flanges

ESECUZIONI DIVERSE DA STANDARD / EXECUTIONS DIFFERENT FROM STANDARD

Pressione ingresso 250 bar / Inlet pressure 250 bar

Pressione ingresso 300 bar / Inlet pressure 300 bar

Pressione uscita pretarata / Pre-set outlet pressure

Pressione uscita tarata fissa, vite con dado cieco / Fixed outlet pressure, screw with cap nut

O-ring secondo FDA / O-ring according to FDA

O-ring FPM / O-ring FPM

O-ring speciali / Special O-ring

Convogliamento su campana e Valvola di sovrappressione / Venting on bonnet and over pressure Valve

Versione idonea per liquidi / Execution for liquid

Versione regolatore pilotato / Dome loaded version

Stampigliatura su specifica del cliente / Not standard branding

Versione ATEX / ATEX version

Temperature diverse da standard / Special temperature range

Sgrassato uso O2 / Degreased for O2

ACCESSORI / ACCESSORIES

Kit staffa + viti M1B303 / Bracket with screws M1B303

generating the product code

R3300 IN ACCIAIO INOX			
AA BB CC DD E F GG			
AA	Attacchi / Connections	Q0	G 3/4-M
BB	Pressione ingresso / Inlet pressure	J0	220 bar H
		L0	80 bar M
CC	Intervallo uscita / Outlet range	D0	A - Pout 0,8 - 8 bar
		E0	B - Pout 1,5 - 15 bar
		F0	C - Pout 3 - 30 bar
		G0	D Pout 5 - 50 bar
		X0	E - Pout 10 - 100 bar
DD	Tipologia di fluido / Fluid type	98	EPDM
		99	FPM
E	Pilotato / Pilot operated	N	Non Pilotato
		P	Pilotato
F	Marchiato / Marked	I	ID
		Z	Dir ATEX 94/9 CE
GG	Accessori / Accessories	00	Nessun accessorio

CODE COMPOSITION EXAMPLE

3300# Q0 J0 E0 98 N I 00

3300#: Regulator R3300 in AISI 316

Q0: Port G3/4-M

J0: Maximum inlet pressure 220 bar

E0: Outlet pressure range 1,5-15 bar

98: EPDM gaskets

N: Not pilot operated

I

00: No accessories

technical drawings (all dimensions in mm)

Bracket to be ordered separately: kit order number M1B303

MODEL	IN/OUT	NIPPLE IN	NIPPLE OUT	L1	L2
R3300 3/4"GM	G3/4-M	P29003	P29004	~83.5	~82.5
R3300 3/4"NPTM	3/4"NPT-M	P29020	P29029	~90.5	~88.5

TYPE	OUTLET PRESSURE	H	H1
Diaphragm	0.8÷8/1.5÷15	~342	~72
Piston	3÷30/5÷50/10÷100	~363	~96

* No Relief valve for P.out 100 bar

