

# 310R2

Stainless steel AISI 316L pressure regulator “serie 10”  
for compressed air, gas and liquids



## FEATURES

Pressure regulator for inlet pressure up to 50 bar (725 psi) in the standard version.

Connections  $\frac{3}{4}$ "-F, 1"-F, 1"1/4-F and 1"1/2-F by flanges screwed to the body .  
Other connections available on request.

Outlet pressure is controlled by a piston in stainless steel (AISI 316L).  
Main valve is balanced.

Available the ATEX 2014/34/EU version  
Brand  $\text{CE} \text{ II 2 G c I I C T X}$   
 $\text{CE} \text{ II 2 D c I I I C T X}$ .

For use in potentially explosive zones: 1, 21, 2, 22 (not applicable in 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).

Available units composed of:  
Filter + Regulator + Lubrifier

## **SPECIFICATIONS**

Weight: ~3,6 Kg (~ 7,9 lb)

Operating temperature: -20°C ÷ +80°C (-4 ÷ + 176° F) for standard version

Main valve leakage classification: VI (bubble tight)

Flow coefficient: Kv= 3 Nm<sup>3</sup>/h

Degree of protection: IP25

G ¼ ports for outlet pressure gauge

## **MATERIALS**

Body and bonnet: stainless steel AISI 316L

Internal parts: stainless steel AISI 316L

Main valve spring: stainless steel AISI 302

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

Piston: stainless steel AISI 316L

O-Rings: FPM (other compounds available on request)

Main valve gasket: FPM (other compounds available on request)

## **ACCESSORIES**

Gauges: accuracy class 1,6

Lock-nut

Bracket and lock-nut Kit

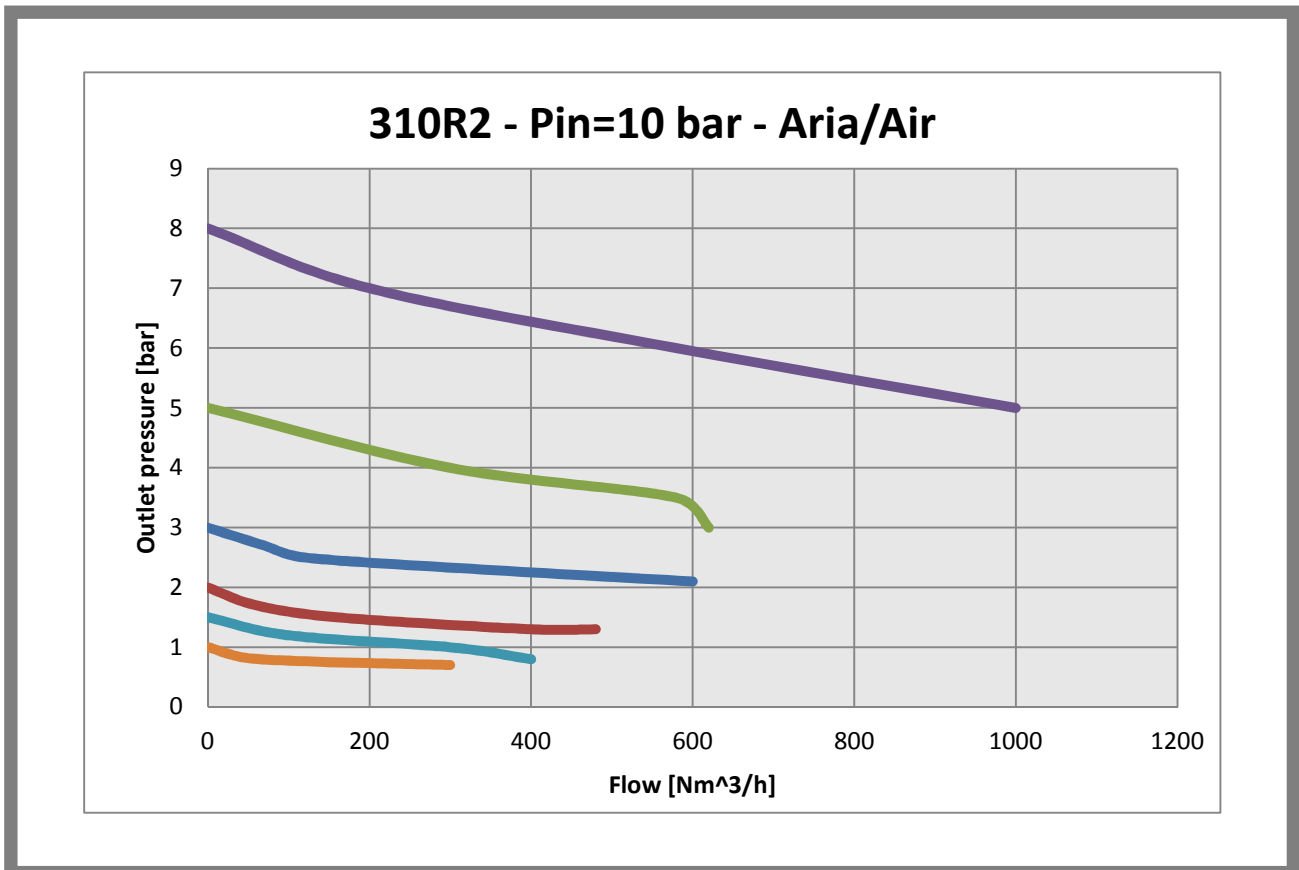
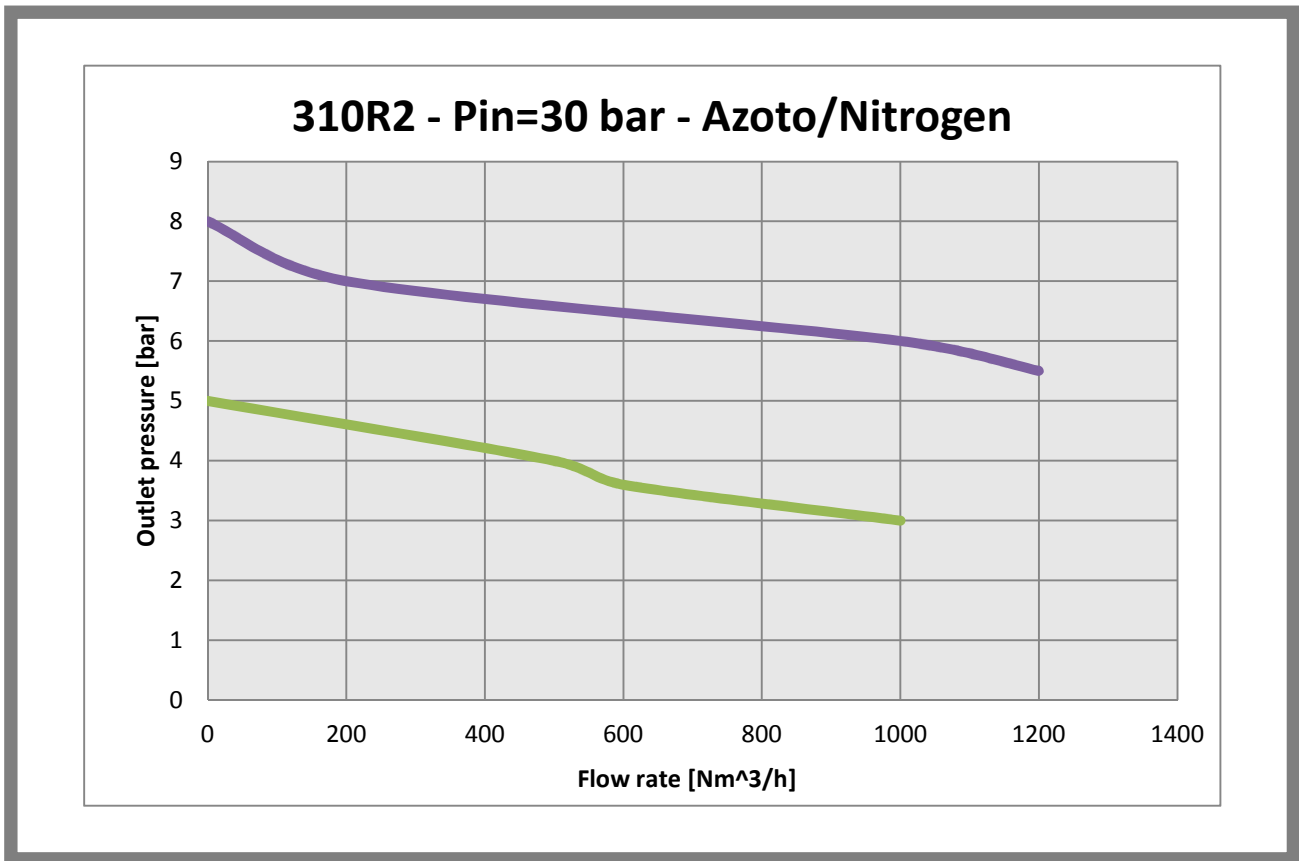
Overpressure relieving function (not for gas and liquids)

## **SPARE PARTS**

Gauges

Complete Kit: net filter, complete main valve, o-rings.

flow charts



## generating the product code

Regolatore 2° stadio taglia 10 AISI316			
AA BB CC DD E F GG			
AA	Attacchi / Connections	Q0	G 3/4-F
		R0	G1-F
		J0	G 1" 1/4-F
		S0	G 1" 1/2-F
BB	Pressione d'ingresso / Inlet pressure	D0	PS 30 bar
		E0	PS 50 bar
CC	Intervallo d'uscita/ Outlet range	A0	Pout 0,2÷1,5 bar
		B0	Pout 0,3÷3 bar
		D0	Pout 0,8÷8 bar
		E0	Pout 1,5÷15 bar
		F0	Pout 3÷30 bar
		G0	Pout 5÷50 bar
DD	Tipologia di fluido / Fluid type	15	O2
		18	EPDM x liquidi
		19	FPM x liquidi
		98	EPDM
		99	FPM
E	Scarico / Drain	0	No Relieving
		1	Relieving
F	Marchiato / Marked	I	ID
		Z	Dir. ATEX 2014/34/EU
GG	Accessori / Accessories	00	Nessun accessorio / No accessories
		06	Manometro / Pressure gauge

### CODE COMPOSITION EXAMPLE

**310R2#R0 D0 D0 99 0 I 00**

**310R2#:** Regulator 2°Stage "serie 10" AISI 316L

**R0:** Connection G 1-F

**D0:** Maximum inlet pressure 30 bar

**D0:** Outlet pressure range 0,8-8 bar

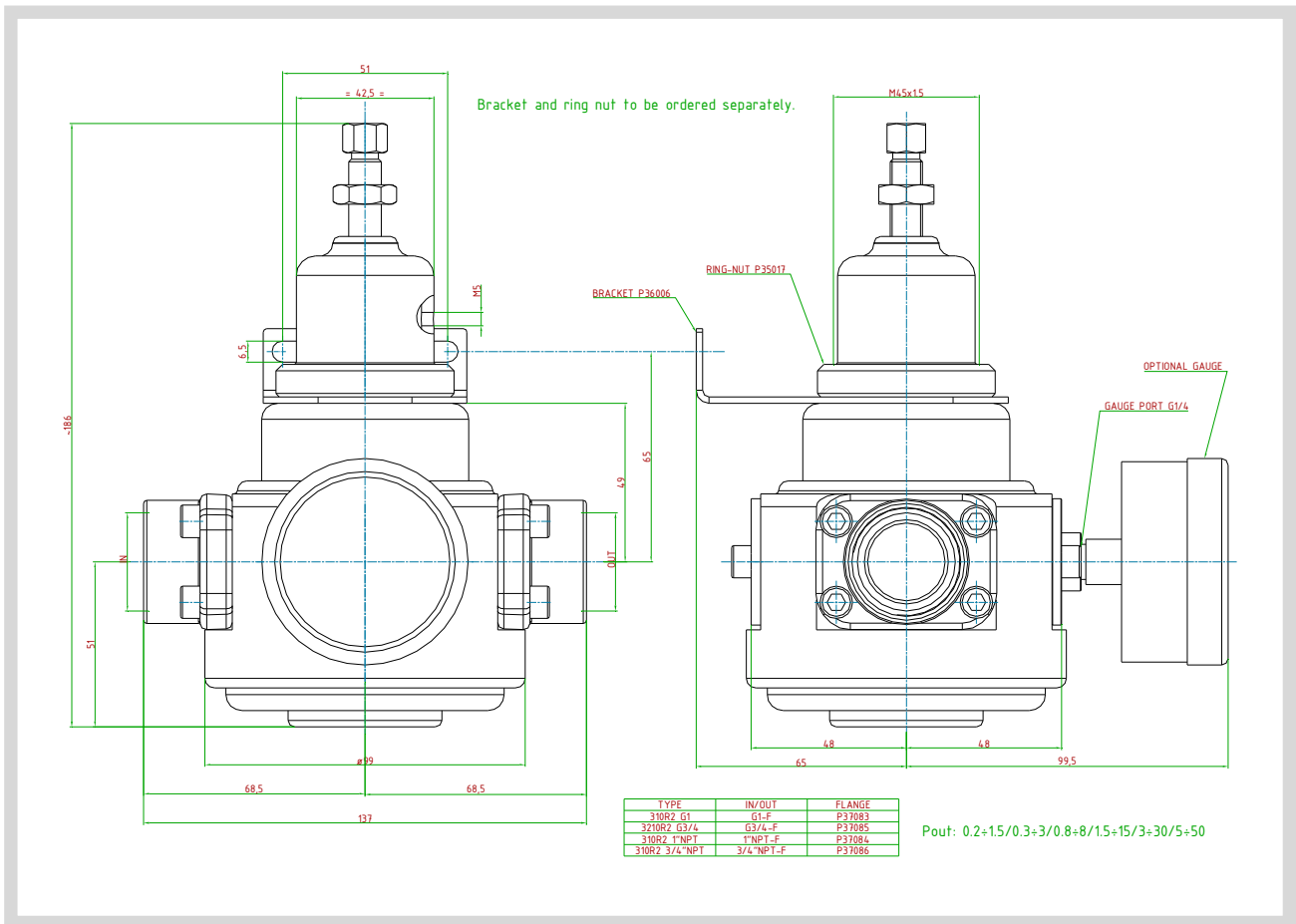
**99:** O-rings in FPM

**0:** Not relieving

**I:** Insert Deal

**00:** No accessories

# technical drawings (all dimensions in mm)



## **ID Insert Deal Srl**

Strada dei Boschi, 40  
20852 Villasanta (MB) Italia  
tel. +39 039 302035  
[info@idinsertdeal.com](mailto:info@idinsertdeal.com)  
[www.idinsertdeal.com](http://www.idinsertdeal.com)

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**PRESSURE REGULATOR\_310R2\_EN\_03**



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