

# R3150

Stainless steel AISI 316L precision pressure regulator for compressed air, gas and liquids.



## FEATURES

Precision pressure regulator for inlet pressure up to 10 bar (145 psi).

Connections ½"-F for standard version.

Outlet pressure is controlled by a rubber diaphragm. The regulator's main valve is balanced.

Available the ATEX version

Brand  II 2GDc IICX.

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

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

## **SPECIFICATIONS**

Weight: ~2,7 kg (~6 lb)

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

Main valve leakage classification: VI (bubble tight)

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: stainless steel AISI 302

Diaphragm: double diaphragm in NBR and PTFE (PTFE diaphragm in contact with the fluid)

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

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

## **ACCESSORIES**

Gauge: accuracy class 1,6

Lock-nut: P35017030304

Bracket and lock-nut Kit: M1H301

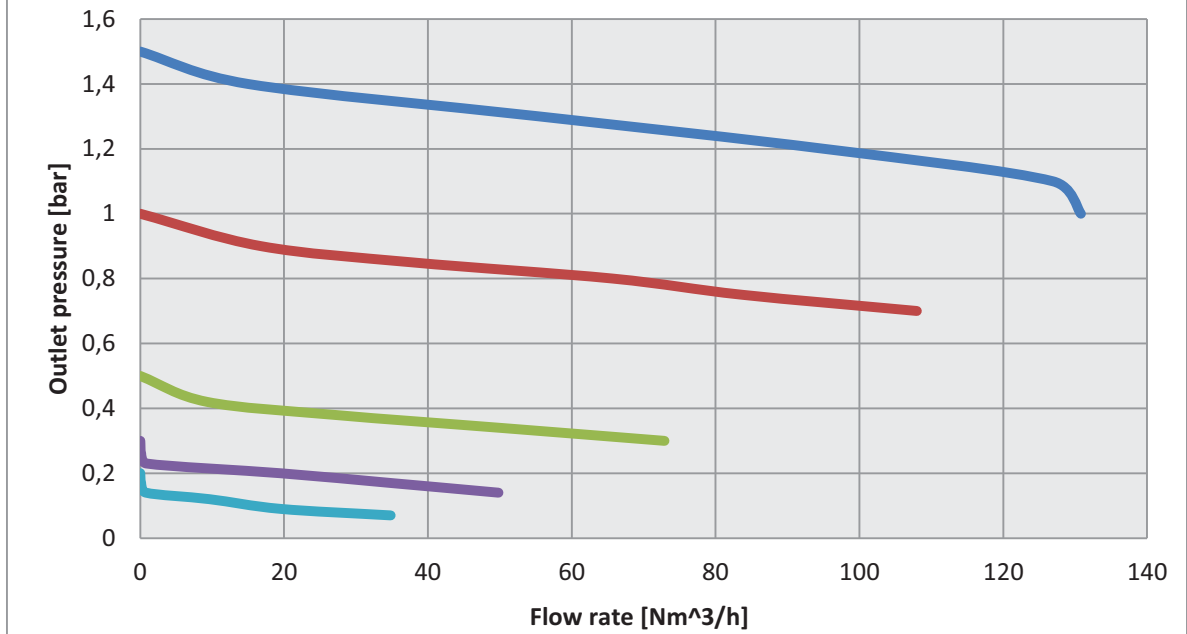
## **SPARE PARTS**

Gauges

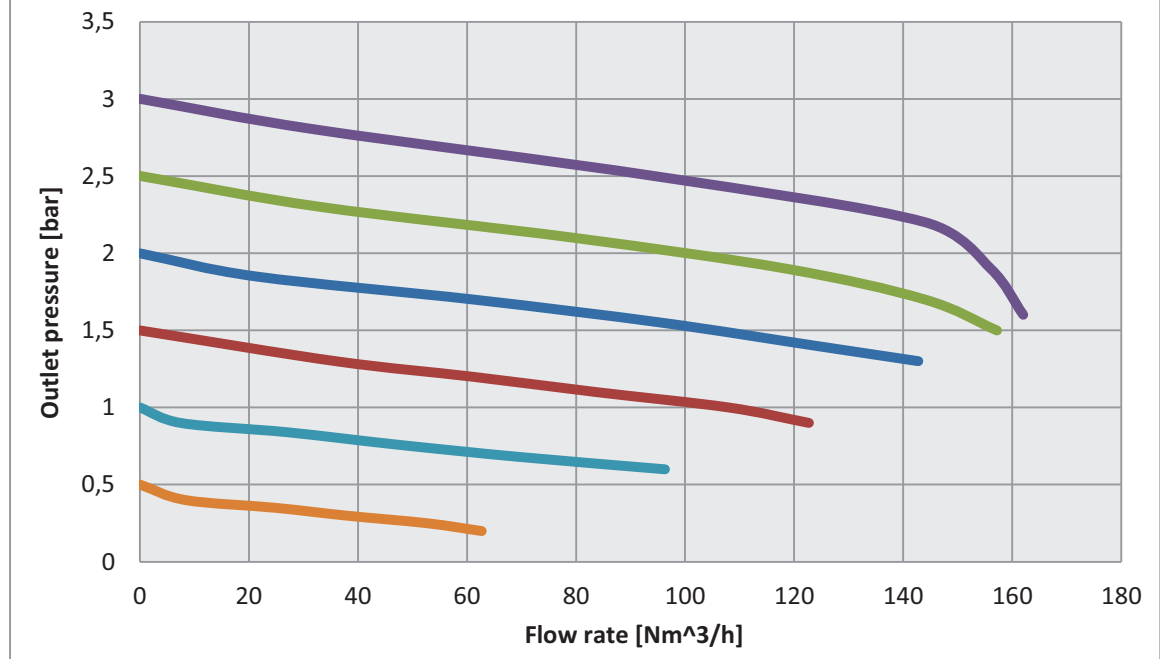
Complete Kit: assembled diaphragm, net filter, main valve, o-rings

## flow charts

**R3150A Pout 0,02÷1,5 bar - Pin=6 bar Aria/Air**



**R3150B Pout 0,03÷3 bar - Pin=6 bar Aria/Air**



## available model types

### Regolatori di pressione ad alta sensibilità High sensibility pressure regulators

Campana in acciaio inox 316L / Bonnet of stainless steel 316L

Corpo in acciaio inox 316L / Body of stainless steel 316L

Particolari interni in acciaio inox 316L / Internal parts of stainless steel 316L

TYPE	PS bar	P.Out bar	CONNECTION IN	CONNECTION OUT	CODE	MEDIUM
						<b>R3150</b>
R 3150 A	10	0,02-1,5	G 1/2-F	G 1/2-F	3150#	O2
						*
						**
R 3150 B	10	0,03-3	G 1/2-F	G 1/2-F	3150#	O2
						*
						**

\* Aria - N2 - He - Ar - H2 - C3H8 - CH4 -H2O

\*\* NH3 - CO2 - N2O - Liquids

#### ATTACCHI DIVERSI DA STANDARD / CONNECTION DIFFERENT FROM STANDARD

Attacchi entrata/uscita NPT con nipples esterni / Inlet/outlet connections NPT

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

Attacchi flangiati / Connections with flanges

#### ESECUZIONI DIVERSE DA STANDARD / EXECUTIONS DIFFERENT FROM STANDARD

Pressione in entrata diversa da standard / Inlet pressure different from standard

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

O-ring diversi da standard - EPDM / O-ring different from standard - EPDM

Convogliamento su campana / Connection for bonnet piping

Stampigliatura su specifica del cliente / Not standard branding

Versione Relieving / Relieving version

Versione ATEX / ATEX version

Temperatura diversa da standard / Temperature different from standard

Sgrassato uso O2 / Degreased for O2

#### ACCESSORI / ACCESSORIES

Ghiera P35017030304 / Ring nut P35017030304

Kit staffa + ghiera M1H301 / Kit bracket and Ring nut M1H301

Kit manometro ø 63 / Stainless steel Gauge ø 63

R 3150 A OABNEC04 0+2,5 bar

R 3150 B OABNEC05 0+6 bar

## generating the product code

<b>R3150 AISI316</b>			
<b>AA BB CC DD E FF</b>			
AA	Attacchi / Connections	H0	1/2" NPT-F
		P0	G 1/2-F
BB	Pressione ingresso / Inlet pressure	G0	PS 10 bar
CC	Intervallo uscita / Outlet range	A0	Pout 0,02 - 1,5bar
		B0	Pout 0,03 - 3 bar
DD	Tipologia di fluido / Fluid type	19	FPM x liquidi
		99	FPM
		9V	FPM - no manometro
E	Marchiato / Marked	I	ID
FF	Accessori / Accessories	00	Nessun accessorio

## CODE COMPOSITION EXAMPLE

**3150#P0 G0 A0 99 I 00**

**3150#:** Pressure regulator R3150 AISI 316

**P0:** Connections G 1/2-F

**G0:** Maximum inlet pressure 10 bar

**A0:** Outlet pressure range 0,02-1,5 bar

**99:** O-rings in FPM

**I**

**00:** No accessories

technical drawings (all dimensions in mm)

Bracket and Ring-Nut to be ordered separately, Kit order number: M1H301.

