

# R128

Aluminium pressure regulator,  
for compressed air, gas and liquids



## FEATURES

Pressure regulator for inlet pressure up to 20 bar (290 psi).

Connections 2"-F by flanges screwed to the body.

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

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

Suitable for industrial applications where high flow rates and good accuracy are required.

Outlet pressure gauge accuracy class 1.6.

Adjusting screw for outlet pressure 0.2÷1.5 bar and 0.6÷6 bar. Pilot operated version for outlet pressure 1.5÷15 bar.

## **SPECIFICATIONS**

Regulator 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:  $K_v = 21 \text{ Nm}^3/\text{h}$   $C_v = 24,6 \text{ US gal/min}$

Degree of protection: IP25

G1/4 gauge port on both sides

## **MATERIALS**

Body: aluminium

Bonnet: aluminium

Pilot regulator: brass (only for version Pout 1.5÷15 bar)

Internal parts: brass/AISI 316L

Main valve spring: stainless steel AISI 302

Adjusting spring: C85, not in contact with the fluid

Diaphragm: NBR and PTFE coupled diaphragms (PTFE in contact with the fluid)

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

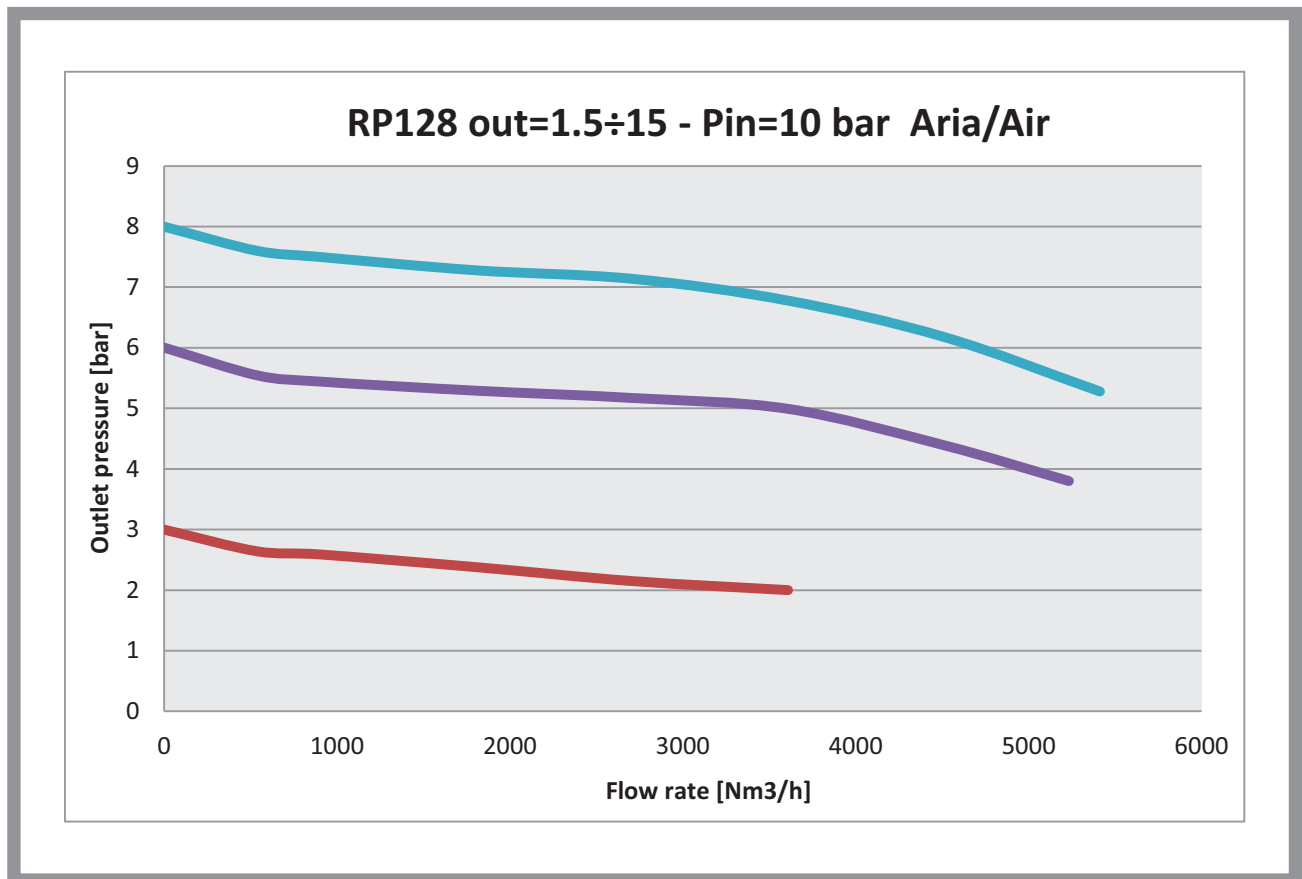
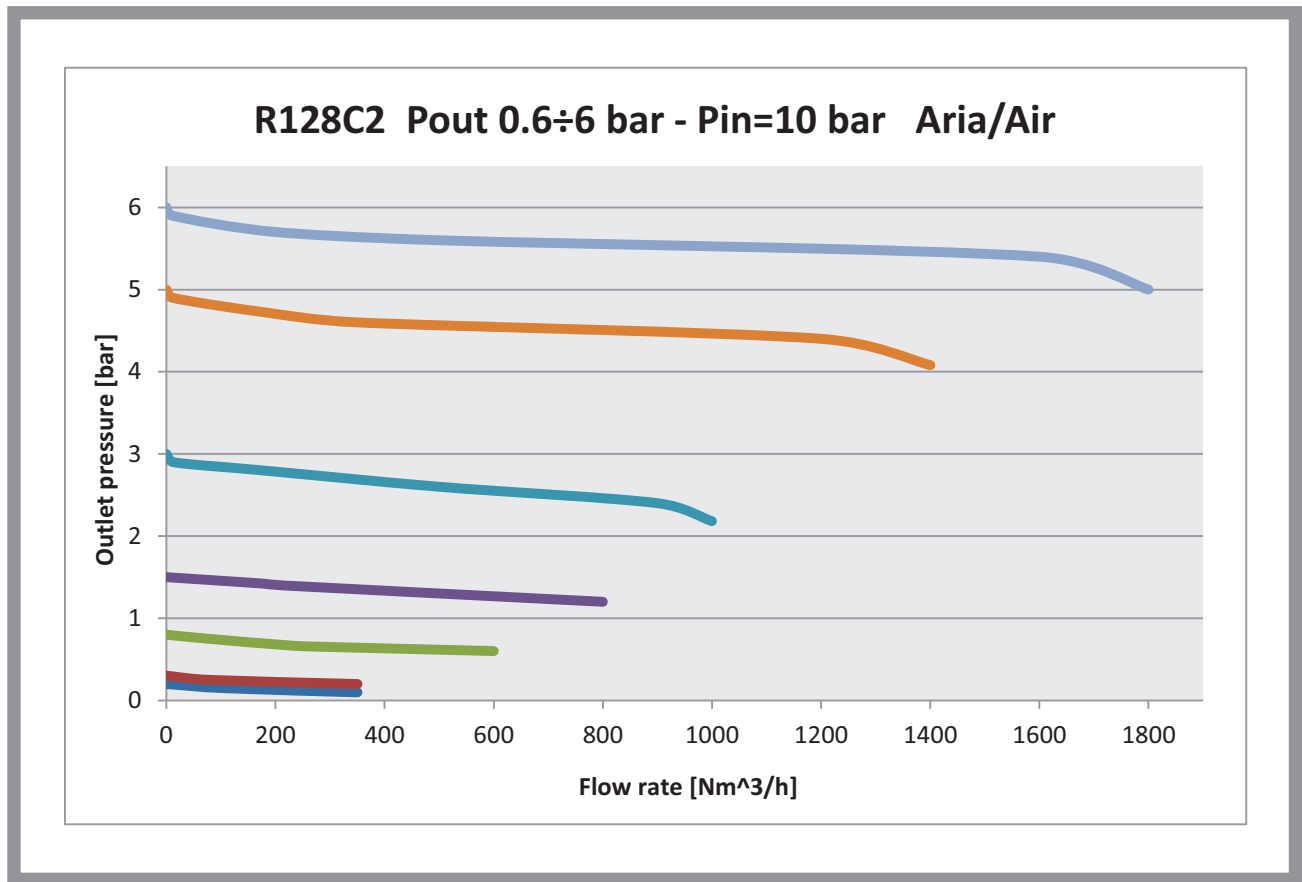
Main valve gasket: NBR (other compounds available on request)

## **SPARE PARTS**

Gauges

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

# flow charts



## available model types

### Regolatori di pressione per media pressione

#### Pressure regulators for medium pressure

Regolatori di pressione per media pressione in lega leggera per gas non corrosivi

Pressure regulators for medium pressure made of aluminium for non-corrosive gases

Corpo e campana da fusione, struttura standard

Cast body, Standard

TYPE	PS bar	P.Out bar	CONNECTION IN	CONNECTION OUT	CODE	MEDIUM
						<b>R128</b>
<b>R128 A2</b>	20	0,2-1,5	G 2-F	G 2-F	D52#T	*
<b>R128 C2</b>	20	0,6-6	G 2-F	G 2-F	D52#T	*
<b>RP128 D2 **</b>	20	1,5-15	G 2-F	G 2-F	D52#T	*

\* Aria - N2 - He - Ar - H2 - C3H8 - CH4 - CO2 - N2O

\*\* Versione pilotata / Dome loaded execution

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

Attacchi entrata/uscita NPT / Inlet/outlet connections NPT

Attacchi flangiati / Connections with flanges

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

O-ring diversi da standard - FPM / O-ring different of standard - FPM

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

Convogliamento su campana / Venting on bonnet

Stampigliatura su specifica del cliente / Not standard branding

## generating the product code

Reg. R128 LL			
AA BB CC DD E FF			
AA	Attacchi / Connections	T0	R128 G 2-F
BB	Intervallo uscita / Outlet range	A0	A2 - Pout 0,2 - 1,5 bar
		E0	D2 Pout 1,5 - 15 bar
		H0	C2 - Pout 0,6 - 6 bar
CC	Pressione ingresso / Inlet pressure	C0	PS 20 bar
DD	Tipologia di fluido / Fluid type	97	NBR
		98	EPDM
		99	FPM
E	Marchiato / Marked	I	ID
FF	Accessori / Accessories	00	Nessun accessorio

### CODE COMPOSITION EXAMPLE

**D52#T0 A0 C0 97 I 00**

**D52#:** Regulator R128 LL

**T0:** Connection G 2-F

**A0:** Outlet pressure range 0.2-1.5 bar

**C0:** Maximum inlet pressure 20 bar

**97:** NBR O-rings

**I**

**00:** No accessories

# technical drawings (all dimensions in mm)

