

# R4121

Aluminium pressure regulator with stainless steel AISI 316L internal parts, for compressed air, gas and liquid



## FEATURES

Pressure regulator for inlet pressure up to 30 bar (435 psi).

Connections ports ½".

Outlet pressure controlled by a rubber diaphragm.

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

Gauge for outlet pressure (accuracy class 1.6)

## **SPECIFICATIONS**

Weight: ~1 Kg (~2.2 lb)

Operating temperature: -20°C ÷ +60°C (-4 °F ÷ +140 °F) for standard versions

Main valve leakage: VI (bubble tight)

Flow coefficient: Kv= 1.6 Nm<sup>3</sup>/h Cv = 1.87 US gal/min

Degree of protection: IP25

G ¼ gauge port on both sides

## **MATERIALS**

Body and bonnet: aluminium

Internal parts: stainless steel AISI 316L

Adjusting knob: PA 6.6

Main valve spring: stainless steel AISI 302

Adjusting spring: C85 (not in contact with the fluid)

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

O-Ring: EPDM

Main valve gasket: EPDM

## **ACCESSORIES**

Panel mounting ring-nut: ODN51000

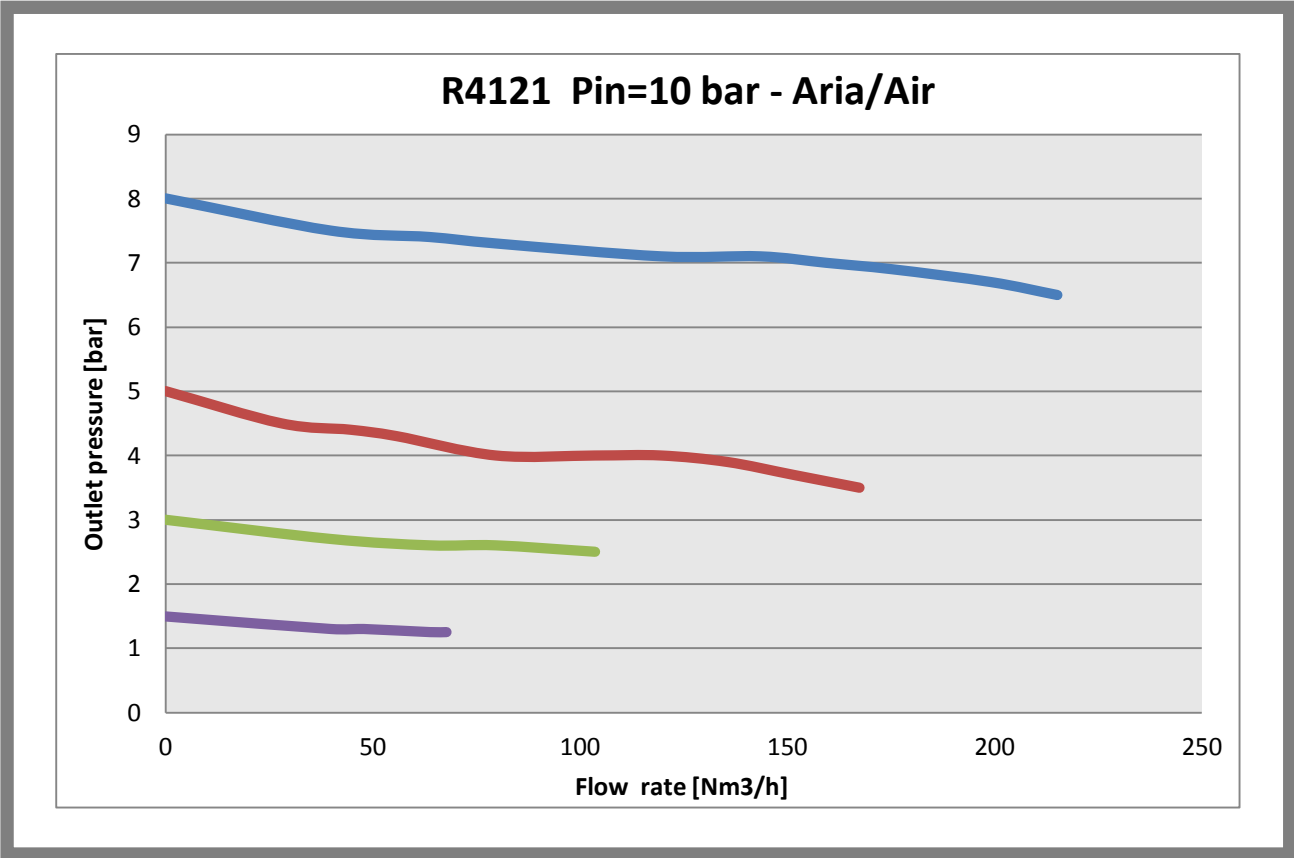
Wall mounting bracket: M12201 (10 pieces package)

## **SPARE PARTS**

Gauge

Complete kit: net filter, complete main valve, o-ring, assembled diaphragm

flow charts



## available model types

### Regolatori di pressione per media pressione

### Pressure regulators for medium pressure

Regolatori di pressione per media pressione (PS max 30 bar)

In alluminio con interni in acciaio inox idonei per aria, gas tecnici e ammoniaca (no Ossigeno)

Pressure regulators for medium pressure (PS max 30 bar)

made of aluminium, internal parts of stainless steel, suitable for air, gases and ammonia (no oxygen)

Corpo e campana da fusione / Forged body and bonnet

TYPE	PS bar	P.Out bar	CONNECTION IN	CONNECTION OUT	CODE	MEDIUM
						<b>R4121</b>
R4121 A	15	0,2-1,5	G 1/2-F	G 1/2-F	527#P	NH <sub>3</sub>
	30					Aria - N <sub>2</sub> - He - Ar - H <sub>2</sub> - CO <sub>2</sub>
R4121 B	15	0,3-3	G 1/2-F	G 1/2-F	527#P	NH <sub>3</sub>
	30					Aria - N <sub>2</sub> - He - Ar - H <sub>2</sub> - CO <sub>2</sub>
R4121 C	15	0,8-8	G 1/2-F	G 1/2-F	527#P	NH <sub>3</sub>
	30					Aria - N <sub>2</sub> - He - Ar - H <sub>2</sub> - CO <sub>2</sub>
R4121 E	15	1,5-15	G 1/2-F	G 1/2-F	527#P	NH <sub>3</sub>
	30					Aria - N <sub>2</sub> - He - Ar - H <sub>2</sub> - CO <sub>2</sub>

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

Attacchi diversi da standard / Connection different from standard

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

Pressione uscita pretarata / Pre-set outlet pressure

Pressione uscita tarata fissa / Fixed outlet pressure

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

#### ACCESSORI / ACCESSORIES

Ghiera ODN51000 / Ring nut ODN51000

Kit staffa + ghiera M12201 - 10 pezzi per confezione / Kit bracket and Ring nut M12201 - 10 pieces for each box

## generating the product code

Reg. R121+Inox			
AA BB CC DD E FF			
AA	Attacchi / Connections	P0	R4121 G 1/2-F
BB	Pressione ingresso / Inlet pressure	D0	PS 30 bar
		H0	PS 15 bar
CC	Intervallo 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
DD	Tipologia di fluido / Fluid type	02	NH3 3-UNI 11144
		98	EPDM
E	Marchiato / Marked	I	ID
FF	Accessori / Accessories	00	Nessun accessorio

### CODE COMPOSITION EXAMPLE

**527#P0 D0 D0 02 I 00**

**527#:** R4121 regulator

**P0:** connections G ½-F

**D0:** maximum inlet pressure 30 bar

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

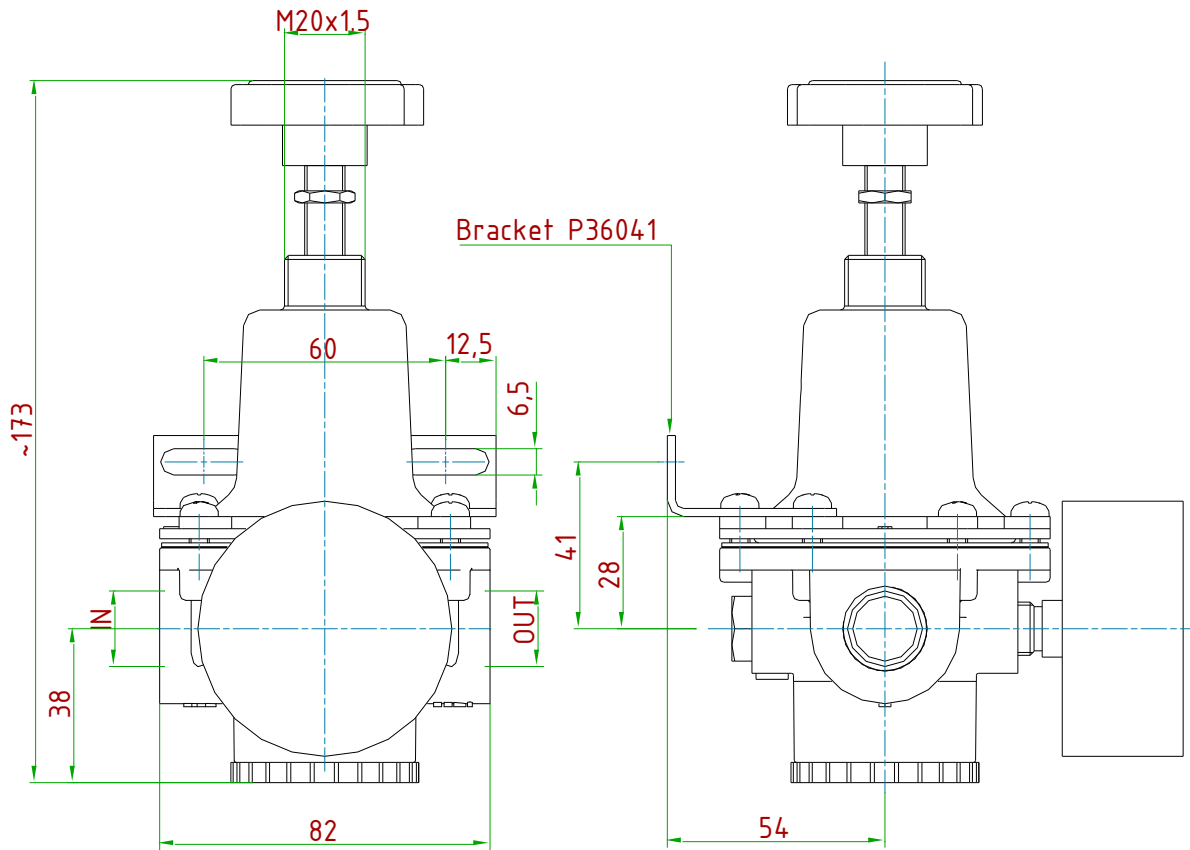
**02:** suitable for NH3

**I**

**00:** no accessories

## technical drawings (all dimensions in mm)

Bracket to be ordered separately: Kit order number M12201 (10 pieces)  
M20x1.5 NUT: Order number ODN51000



## **ID Insert Deal Srl**

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