

214R3

Aluminium regulators,
suitable for compressed air and gas



FEATURES

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

Connection ports in the body:

214R3 1/4" – F

214R3 3/8" – F

Outlet pressure is controlled by a rubber diaphragm.

Balanced main valve.

The product complies with the directive 2014/68/EU (PED).

Inlet pressure gauges: accuracy class 1,6.

SPECIFICATIONS

Regulator weight: ~1 kg (~2.2 lb)

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

Main valve leakage classification: VI (bubble tight)

Flow coefficient: $K_v = 1.1 \text{ Nm}^3/\text{h}$ ($C_v = 1.29 \text{ US gal/min}$)

Degree of protection: IP25

Gauge connections G 1/4 on both sides

MATERIALS

Body and bonnet: aluminium

Internal parts: brass

Adjusting knob: PA 6.6

Main valve spring: stainless steel AISI 304

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

Diaphragm: NBR (two coupled diaphragms NBR+PTFE for EPDM and FPM o-ring version
(PTFE in contact with the fluid))

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

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

ACCESSORIES

M20x1,5 nut for panel mounting

Bracket (10 pieces package)

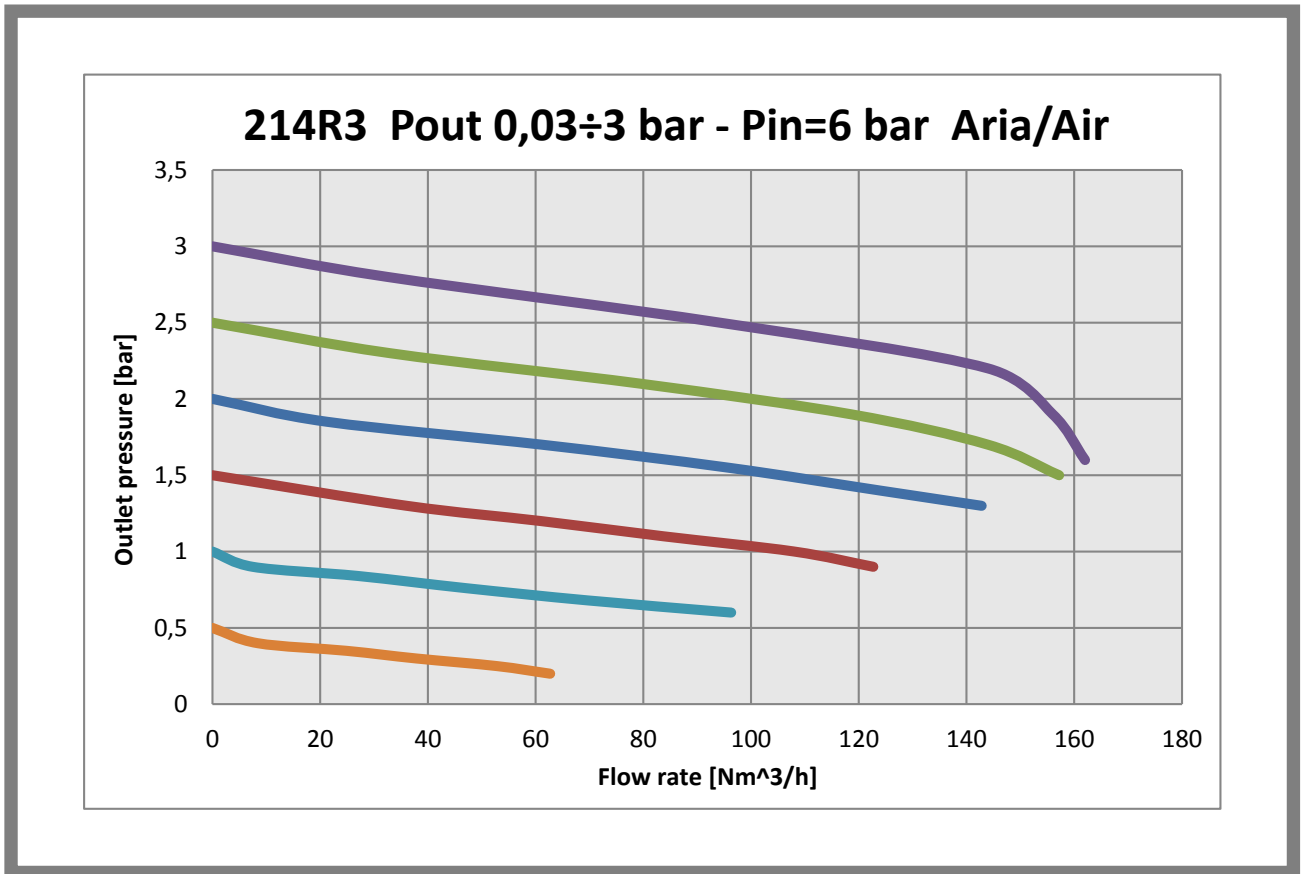
Overpressure relieving function (only for compressed air)

SPARE PARTS

Gauges

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

flow charts



generating the product code

214R3			
AA BB CC DD E FF			
AA	Attacchi / Connections	L0	G3/8-F
		N0	G1/4-F
BB	Pressione d'ingresso / Inlet pressure	G0	PS 10 bar
CC	Intervallo d'uscita/ Outlet range	A0	Pout 0,02 - 1,5 bar
		B0	Pout 0,03 - 3 bar
DD	Tipologia di fluido / Fluid type	01	Relieving
		97	NBR
		98	EPDM
		99	FPM
E	Marchiato / Marked	I	ID
FF	Accessori/Accessories	00	Nessun accessorio

CODE COMPOSITION EXAMPLE

214R3#N0 G0 A0 97 I 00

214R3#: Precision regulator from aluminium casting

N0: Connection G 1/4 – F

G0: Maximum inlet pressure 10 bar

A0: Outlet pressure range 0,02 – 1,5 bar

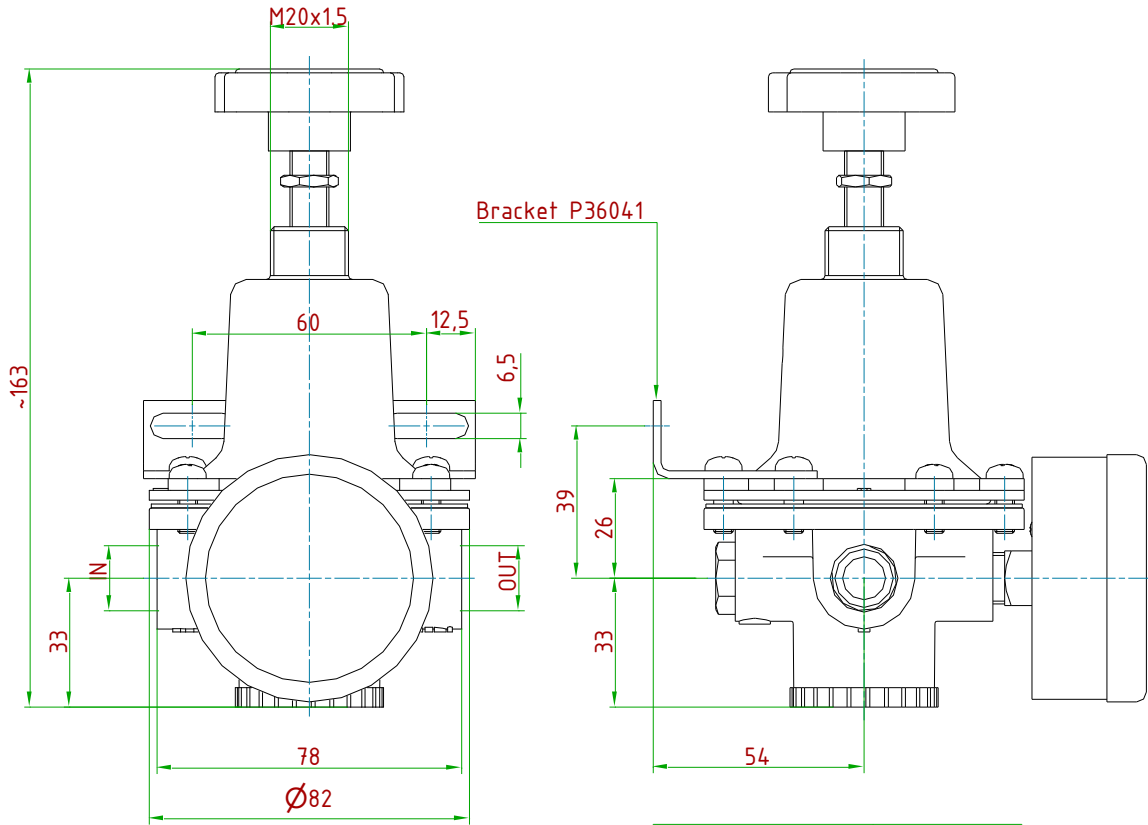
97: NBR o-ring

I: Insert Deal

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



OUTLET PRESSURE [bar]: 0.02±1.5 / 0.03±3

TYPE	IN/OUT
214R3 1/4"GF	G1/4-F
214R3 3/8"GF	G3/8-F

ID Insert Deal Srl

Strada dei Boschi, 40
20852 Villasanta (MB) Italia
tel. +39 039 302035
info@idinsertdeal.com
www.idinsertdeal.com

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PRESSURE REGULATOR_214R3_EN_00



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certificato N° 50 100 9191
Company with certificated quality management system.
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