

R314 MC – R318 MC

Stainless steel AISI 316L micro pressure regulator,
for compressed air, gas and liquid



FEATURES

Minimum size pressure regulator for inlet pressure up to 20 bar (290 psi) in the plastic bonnet version; inlet pressure up to 30 bar (435 psi) in the stainless steel bonnet version.

Inlet and outlet connections 1/4"-F or 1/8"-F ports.

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

Available the EAC-EX TP TC 012/2011 versions for the Russian market.

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

SPECIFICATIONS

Regulator weight version PS 20 bar: ~260 g (~0,57 lb)

Regulator weight version PS 30 bar: ~350 g (~0,77 lb)

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

Main valve leakage classification: VI (bubble tight)

Flow coefficient: Kv= 0.2 Nm³/h Cv = 0,23 US gal/min

Degree of protection: IP25

G1/8 gauge port for outlet pressure on both sides.

MATERIALS

Body: stainless steel AISI 316L

Bonnet version PS 20 bar: POM/PA 6.6

Bonnet version PS 30 bar: stainless steel AISI 316L

Internal parts: stainless steel AISI 316L

Main valve spring: stainless steel AISI 302

Adjusting spring: stainless steel AISI 302

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

O-Rings: FPM or EPDM depending on the fluid (other compounds available on request)

Main valve gasket: FPM or EPDM depending on the fluid (other compounds available on request)

ACCESSORIES

Panel mounting ring-nut

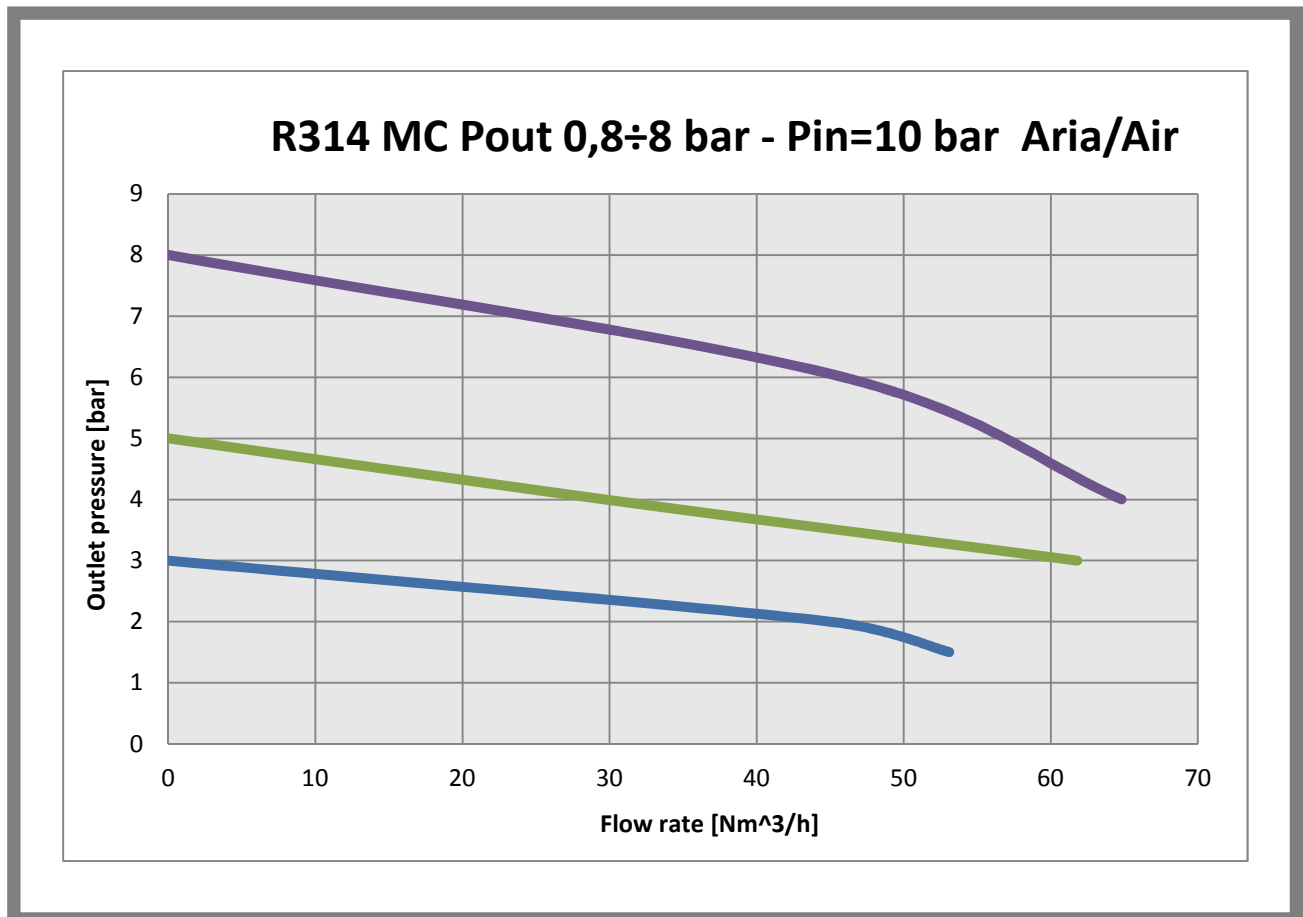
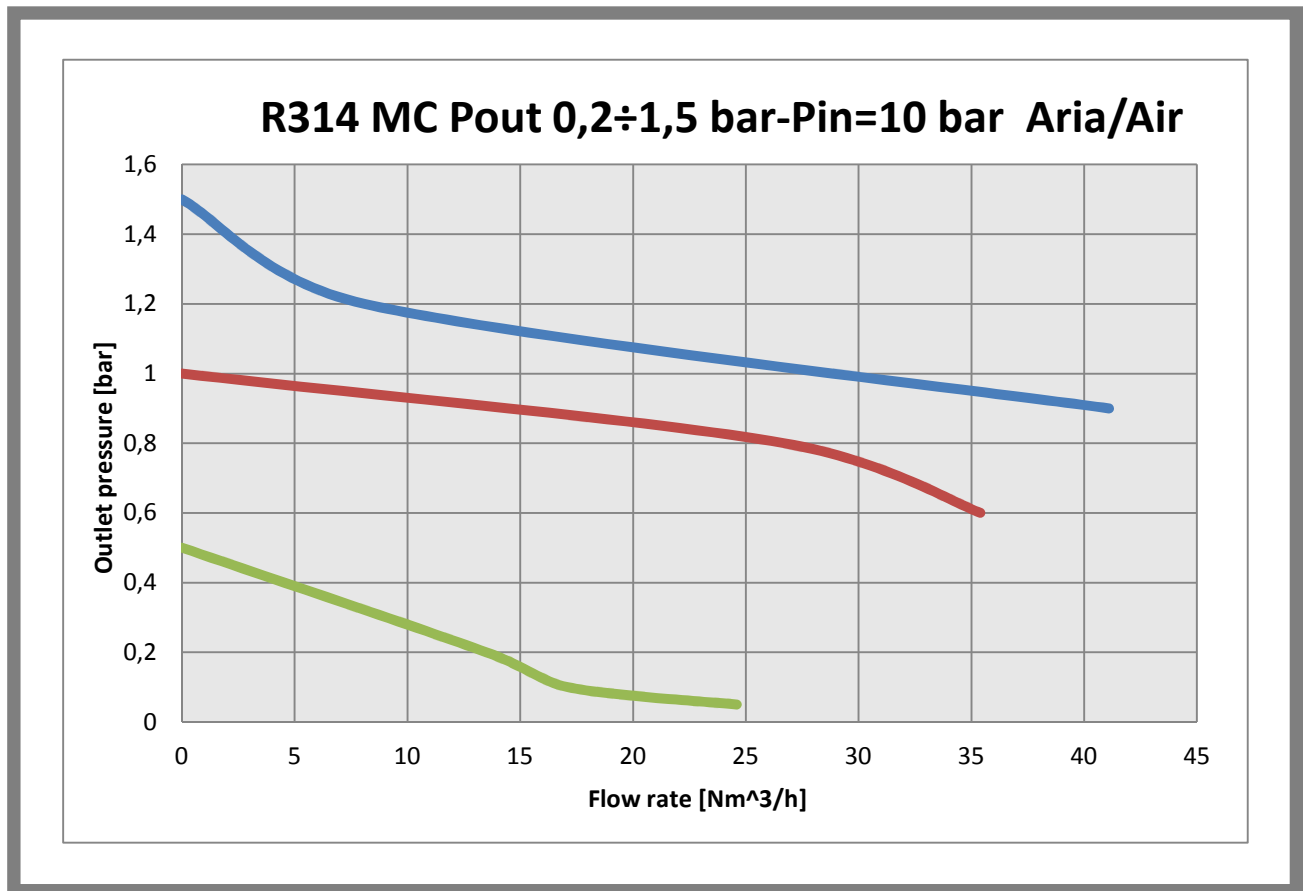
Wall mounting bracket + ring-nut

Overpressure relieving function, only for compressed air version

SPARE PARTS

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

flow charts



generating the product code

Reg. Micro MC Inox			
AA BB CC DD E F GG			
AA	Attacchi / Connections	M0	R318MC G1/8-F
		N0	R314MC G1/4-F
BB	Pressione ingresso/Inlet pressure	C0	20 bar - campana plastica
		D0	30 bar
CC	Intervallo uscita / Outlet range	A0	0,2 - 1,5 bar
		B0	0,3 - 3 bar
		D0	0,8 - 8 bar
		E0	1,5 - 15 bar
DD	Tipologia di fluido/Fluid type	15	O2
		98	EPDM
		99	FPM
E	Pilotato/Pilot operated	n	Non pilotato
		p	Pilotato
FF	Marchiato / Marked	I	ID
GG	Accessori	00	Nessun accessorio / No accessories

CODE COMPOSITION EXAMPLE

543#N0 C0 D0 98 N I 00

543#: Regulator Micro MC stainless steel

N0: Connection G 1/4-F

C0: Maximum inlet pressure 20 bar

D0: Outlet pressure range 0,8-8 bar

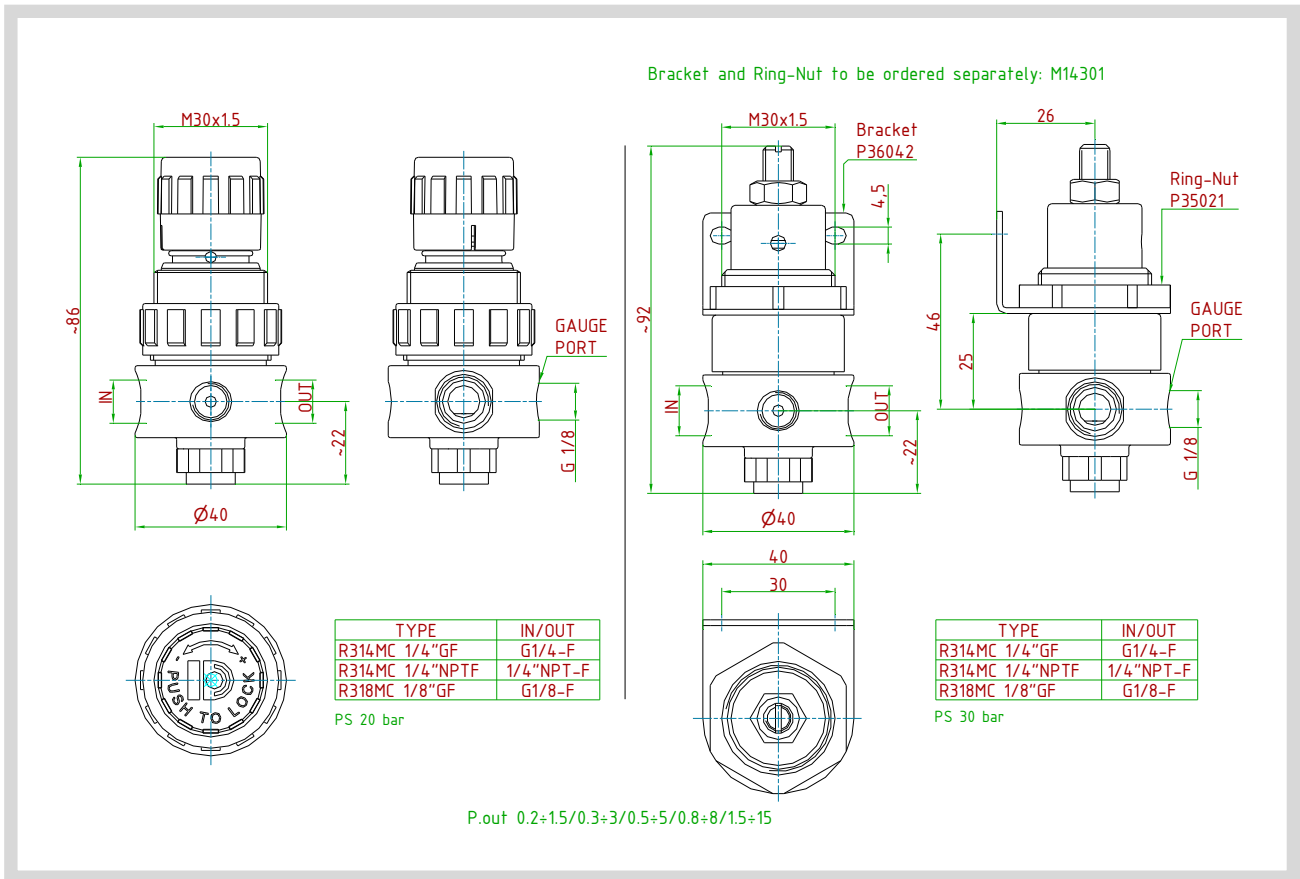
98: O-rings in EPDM

N: Not pilot operated

I: ID Insert Deal

00: No accessories

technical drawings (all dimensions in mm)



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PRESSURE REGULATOR_543(R314MC-R318MC)_EN_02



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