

R3160

Stainless steel AISI 316L precision pressure regulator



FEATURES

Precision pressure regulator for inlet pressure up to 6 bar (87 psi).

Standard version inlet port G1/2-F and outlet port G3/4-F. NPT connections, by added nipples, or flanged connections available on request.

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

Available the ATEX 2014/34/EU version
Brand $\text{CE} \text{ II2GcIICTX}$

$\text{CE} \text{ II2DcIICTX}$.

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

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

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

SPECIFICATIONS

Weight: ~2.3 kg (~5,1 lb)

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

Main valve leakage classification: VI

Minimum outlet pressure: 5 mbar for model A, 10 mbar for models B and C.

Flow coefficient: $K_v = 0.4 \text{ Nm}^3/\text{h}$ ($C_v = 0,47 \text{ US gal/min}$)

Degree of protection: IP25

G $\frac{1}{4}$ ports for outlet pressure gauge

Adjusting screw to set outlet pressure

MATERIALS

Body: stainless steel AISI 316L

Bonnet: stainless steel AISI 316L

Internal parts: stainless steel AISI 316L

Adjusting spring: AISI 302 (not in contact with the fluid)

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

O-Rings: FPM (EPDM for CO2 version)

Main valve gasket: FPM (EPDM for CO2 version)

ACCESSORIES

Gauge kit: accuracy class 1,6

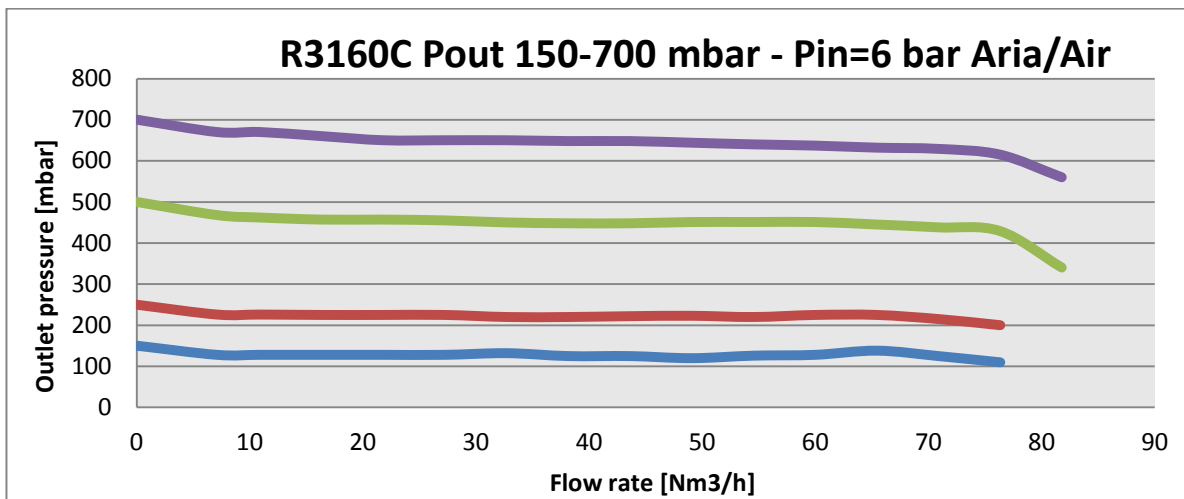
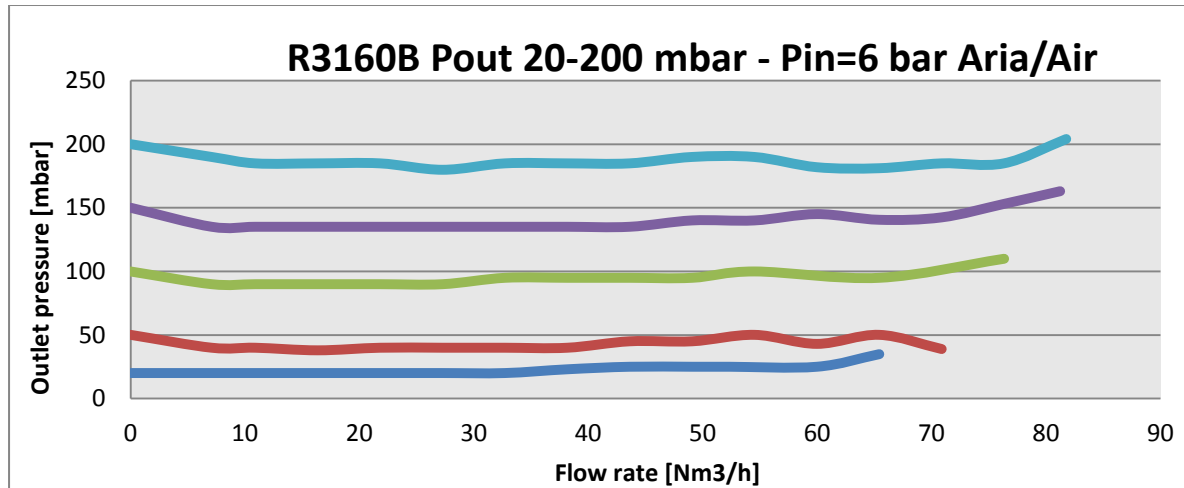
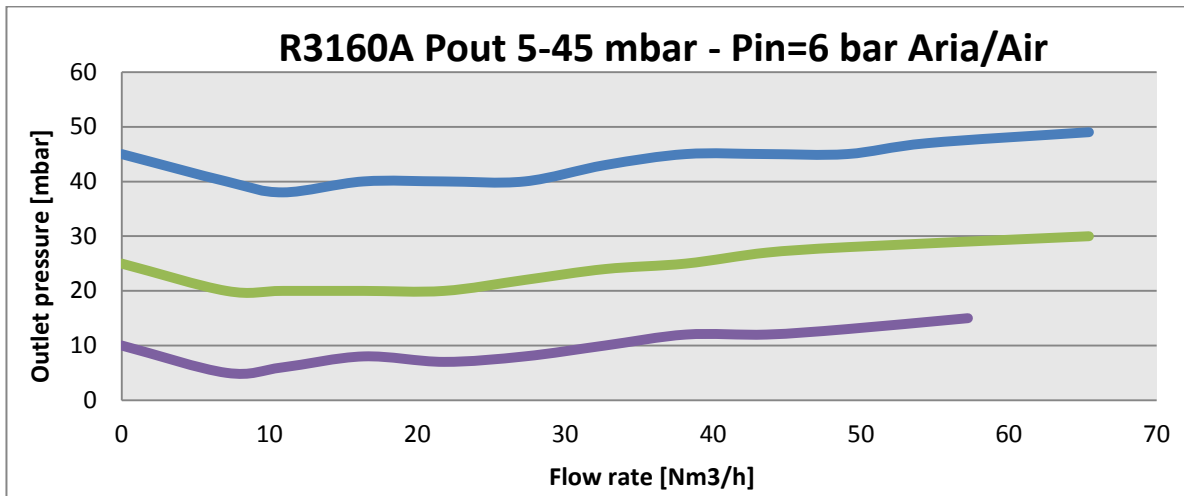
Bracket kit

SPARE PARTS

Gauges

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

flow charts



generating the product code

R3160 IN AISI 316			
AA BB CC DD E FF			
AA	Attacchi / Connections	P0	IN G1/2-F - OUT G3/4-F
BB	Pressione d'ingresso / Inlet pressure	A0	6 bar
CC	Intervallo d'uscita/ Outlet range	N0	MOD A Pout 5 - 45 mbar
		P0	MOD B Pout 20 - 200 mbar
		Q0	MOD C Pout 150-700 mbar
DD	Tipologia di fluido / Fluid type	15	O2
		98	EPDM
		99	FPM
E	Marchiato / Marked	I	ID
		Z	Dir ATEX 2014/34/EU
FF	Accessori/Accessories	00	Nessun accessorio

CODE COMPOSITION EXAMPLE

3160#P0 A0 P0 15 I 00

3160#: Regulator R3160 in AISI316

P0: Inlet connection G1/2-F and outlet connection G3/4-F

A0: Maximum inlet pressure 6 bar

P0: Outlet pressure range 20 - 200 mbar

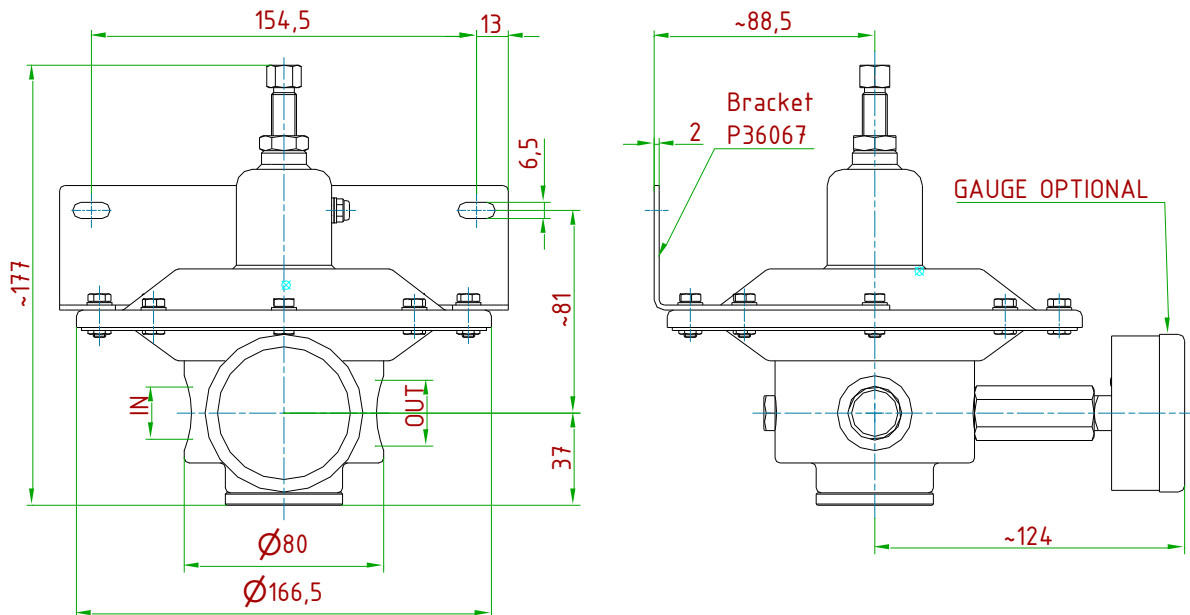
15: Oxygen version

I: ID

00: No accessories

technical drawings (all dimensions in mm)

Bracket to be ordered separately, Kit order number: M11203



TYPE	IN	OUT
E.1/2"GF U.3/4"GF	1/2"G F	3/4"G F

MODEL	Pout	GAUGE KIT	GAUGE
R3160A	5÷45 mbar	M63301	0÷60 mbar
R3160B	20÷200 mbar	M63302	0÷300 mbar
R3160C	150÷700 mbar	M63303	0÷1 bar

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PRESSURE REGULATOR_R3160_EN_02



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