

R3130 – R3130/2"

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



FEATURES

Pressure regulator for inlet pressure up to 50 bar (725 psi).

Connections by flanges screwed to the body.

R3130 1 ½"-F

R3130/2" 2"-F

Connections with EN or Asme flanges available on request.

Outlet pressure is controlled by a stainless steel AISI 316L piston.

Available the ATEX version.

Brand  II 2GDc IICX.

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

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

Gauge for outlet pressure, accuracy class 1.6.

SPECIFICATIONS

Weight: ~19.5 Kg (~43 lb)

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

Main valve leakage classification: VI (bubble tight)

Flow coefficient: Kv= 12.6 Nm³/h Cv = 14,7 US gal/min

Degree of protection: IP25

G1/4 port for gauge on both sides

MATERIALS

Body: stainless steel AISI 316L

Bonnet: stainless steel AISI 316L

Internal parts: stainless steel AISI 316L

Main valve spring: stainless steel AISI 302

Adjusting spring: C85 nickel plated NiP/Fe 15 µm, not in contact with the fluid

Piston: stainless steel AISI 316L

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

Main valve gasket: FPM for inlet pressure up to 30 bar
PUR for greater inlet pressure
(other compounds available on request)

ACCESSORIES

Pilot operated version, pressure setpoint to be controlled by a pilot regulator

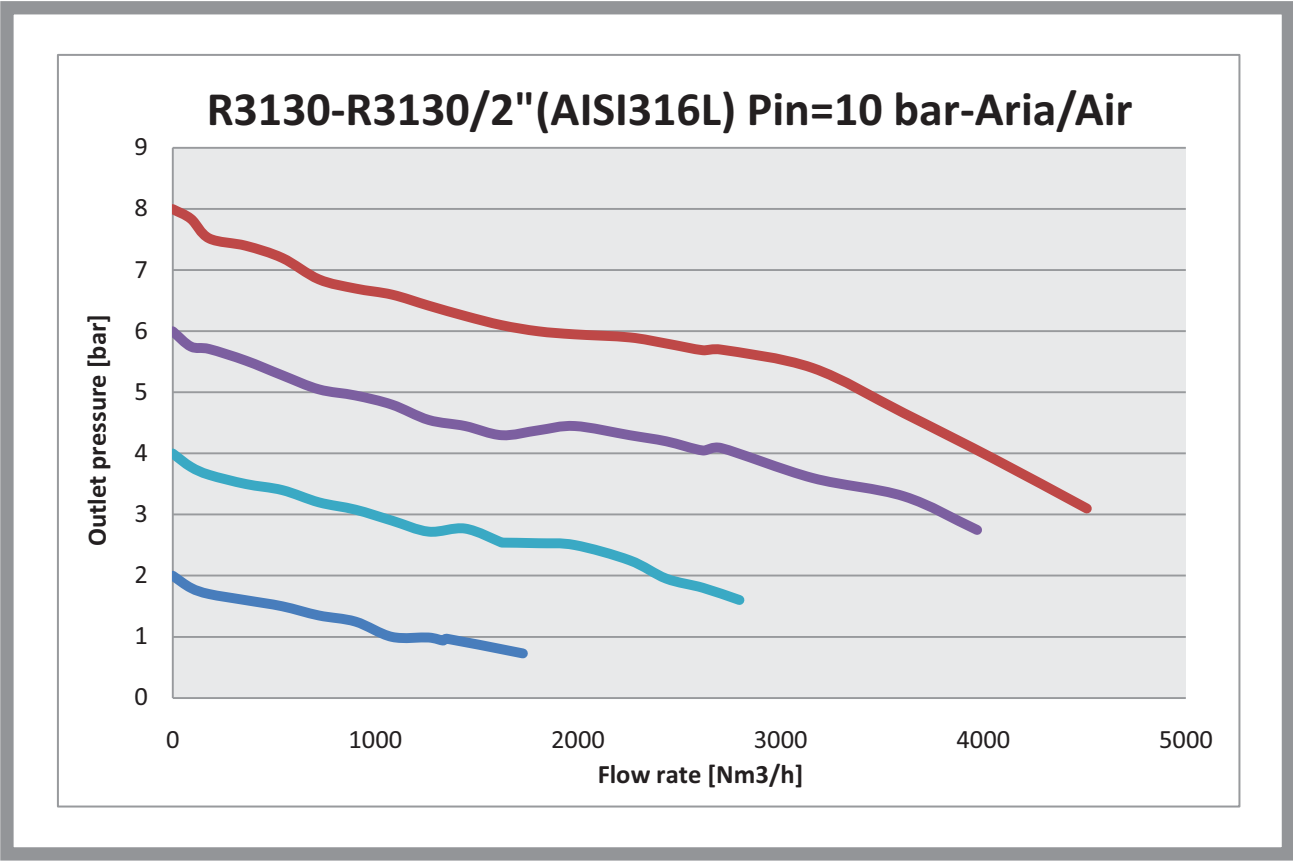
Kit bracket + screws M17310

Overpressure relieving function, only for compressed air version

SPARE PARTS

Gauge

Complete kit: net filter, complete main valve, O-rings.



available model types

Regolatori di pressione per media pressione Pressure regulators for medium pressure

Regolatori di pressione per media pressione in acciaio inox,
idonei per aria compressa e gas tecnici non corrosivi e liquidi

Pressure regulators for medium pressure, made of stainless steel,
for compressed air and technical, non corrosive gases and liquid

Corpo e campana da lavorazione di barra-NO manometro / Body by machining bar-Without gauge

TYPE	PS bar	P.Out bar	CONNECTION IN	CONNECTION OUT	CODE	MEDIUM
						R3130
R3130 A	30	0,2-1,5	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
R3130 B	30	0,3-3	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
R3130 C	30	0,8-8	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
R3130 F	50	1,5-15	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
R3130 G	50	3-30	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
R3130 L	50	5-50	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
RP3130 F**	50	1,5-15	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving
RP3130 L**	50	5-50	G 1 1/2-F	G 1 1/2-F	3130#S	O2
						Liquid
						*
						Air - Relieving

* 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

Pressione ingresso max 60 bar / Inlet pressure max 60 bar

Pressione uscita pretarata / Pre-set outlet pressure

Pressione uscita tarata fissa / Fixed outlet pressure

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

O-ring secondo FDA / O-ring in accordance to FDA

Convogliamento su campana / Venting on bonnet

Stampigliatura su specifica del cliente / Not standard branding

Versione ATEX / ATEX version

Temperature diverse da standard / Special temperature range

Sgrassato uso O2 / Degreased for O2

Manometro per pressione di uscita / Gauge for outlet pressure

ACCESSORI / ACCESSORIES

Kit staffa con viti R3130 - M17310 / Kit bracket with screws R3130 - M17310

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						*
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						Liquid
						*
						Air - Relieving
R3130/2" C	30	0,8-8	G 2-F	G 2-F	3130#T	O2
						Liquid
						*
						Air - Relieving
R3130/2" F	50	1,5-15	G 2-F	G 2-F	3130#T	O2
						Liquid
						*
						Air - Relieving
R3130/2" G	50	3-30	G 2-F	G 2-F	3130#T	O2
						Liquid
						*
						Air - Relieving
R3130/2" L	50	5-50	G 2-F	G 2-F	3130#T	O2
						Liquid
						*
						Air - Relieving
RP3130/2" F**	50	1,5-15	G 2-F	G 2-F	3130#T	O2
						Liquid
						*
						Air - Relieving
RP3130/2" L**	50	5-50	G 2-F	G 2-F	3130#T	O2
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generating the product code

R3130 AISI 316			
AA BB CC DD E F GG			
AA	Attacchi / Connections	S0	G 1"1/2-F
		T0	G 2-F
BB	Pressione ingresso / Inlet pressure	D0	30 bar
		E0	50 bar
CC	Intervallo uscita / Outlet range	A0	MOD A Pout 0,2 - 1,5 bar
		B0	MOD B Pout 0,3 - 3 bar
		D0	MOD C Pout 0,8 - 8 bar
		E0	MOD F Pout 1,5 - 15 bar
		F0	MOD G Pout 3 - 30 bar
		G0	MOD L Pout 5 - 50 bar
DD	Tipologia di fluido / Fluid type	15	O2 CAT II
		98	EPDM CAT I
		99	FPM CAT I
E	Pilotato / Pilot operated	n	Non pilotato
		P	Pilotato
F	Marchiato / Marked	I	ID
		Z	Dir ATEX 94/9 CE
GG	Accessori / Accessories	00	Nessun accessorio

CODE COMPOSITION EXAMPLE

3130#S0 D0 D0 15 N I 00

3130#: Regulator R130 AISI 316

S0: Connection G 1 1/2-F

D0: Maximum inlet pressure 30 bar

D0: Outlet pressure range 0,8-8 bar

15: Oxygen version

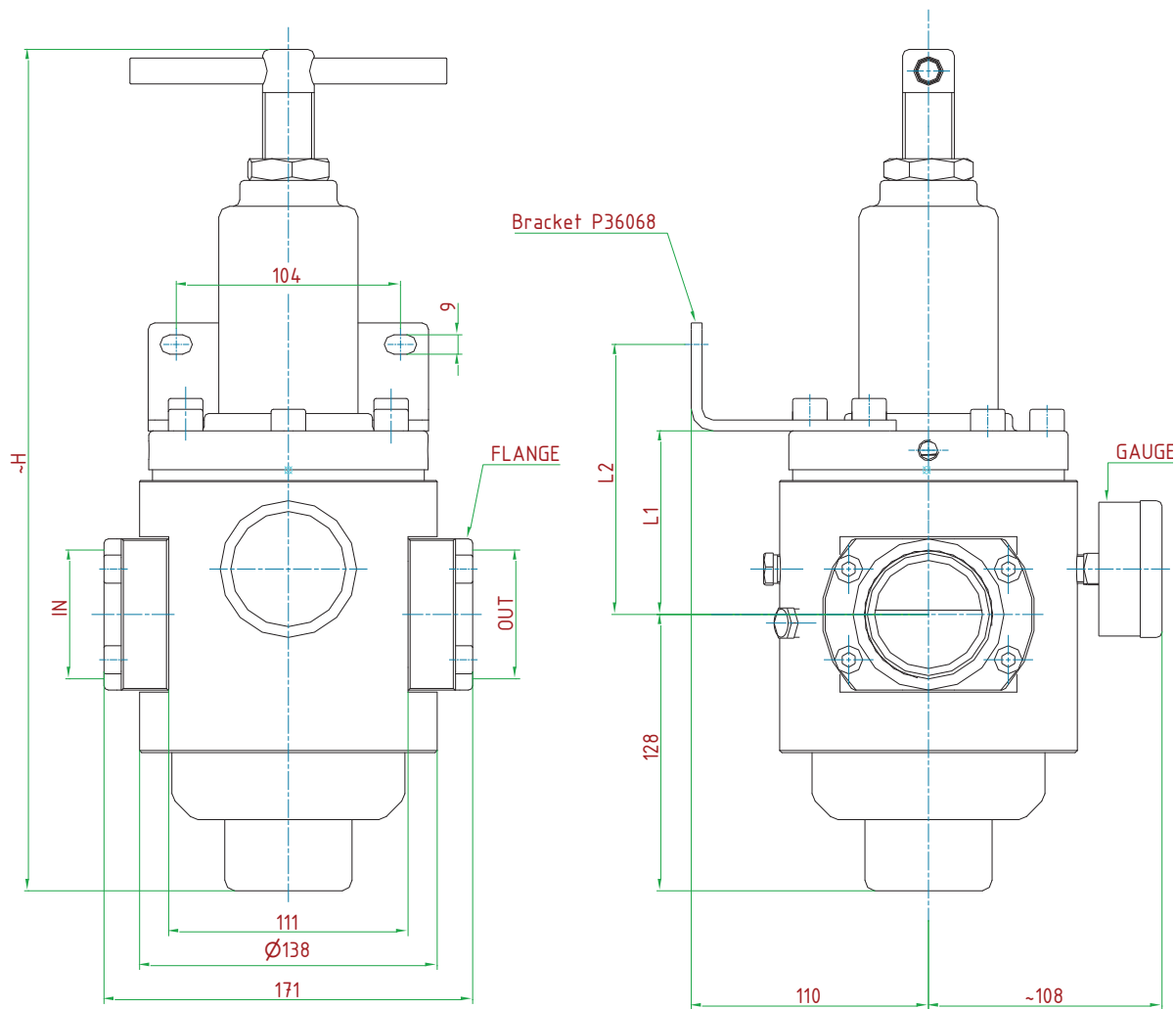
N: Not pilot operated

I

00: No accessories

technical drawings (all dimensions in mm)

TYPE	IN/OUT	FLANGE
2" GF	G 2-F	P37063
1 1/2" GF	G 1 1/2-F	P37062
2" NPTF	2" NPT-F	P37067
1 1/2" NPTF	1 1/2" NPT-F	P37066



Bracket to be ordered separately, Kit order number: M17310

MODEL	PS	OUTLET PRESSURE	GAUGE CODE	GAUGE RANGE	H	L1	L2
A	30 bar	0,2÷1,5 bar	0ABNEC04	0÷2,5 bar	~390	85	125
B	30 bar	0,3÷3 bar	0ABNEC05	0÷6 bar	~390	85	125
C	30 bar	0,8÷8 bar	0ABNEC07	0÷16 bar	~390	85	125
F	50 bar	1,5÷15 bar	0ABNEC08	0÷25 bar	~390	85	125
G	50 bar	3÷30 bar	0ABNEC09	0÷63 bar	~400	98	138
L	50 bar	5÷50 bar	0ABNEC10	0÷100 bar	~400	98	138

NOTE: Standard version without gauge