HELYON

5 Chemin du Jubin 69570 DARDILLY
Tél. +33 (0)4 72 52 16 70 - Fax +33 (0)4 72 52 16 71
www.helyon.com / E-mail : contact@helyon.com

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 CE Ex II2GDcIICX.
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 Nm^3/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.

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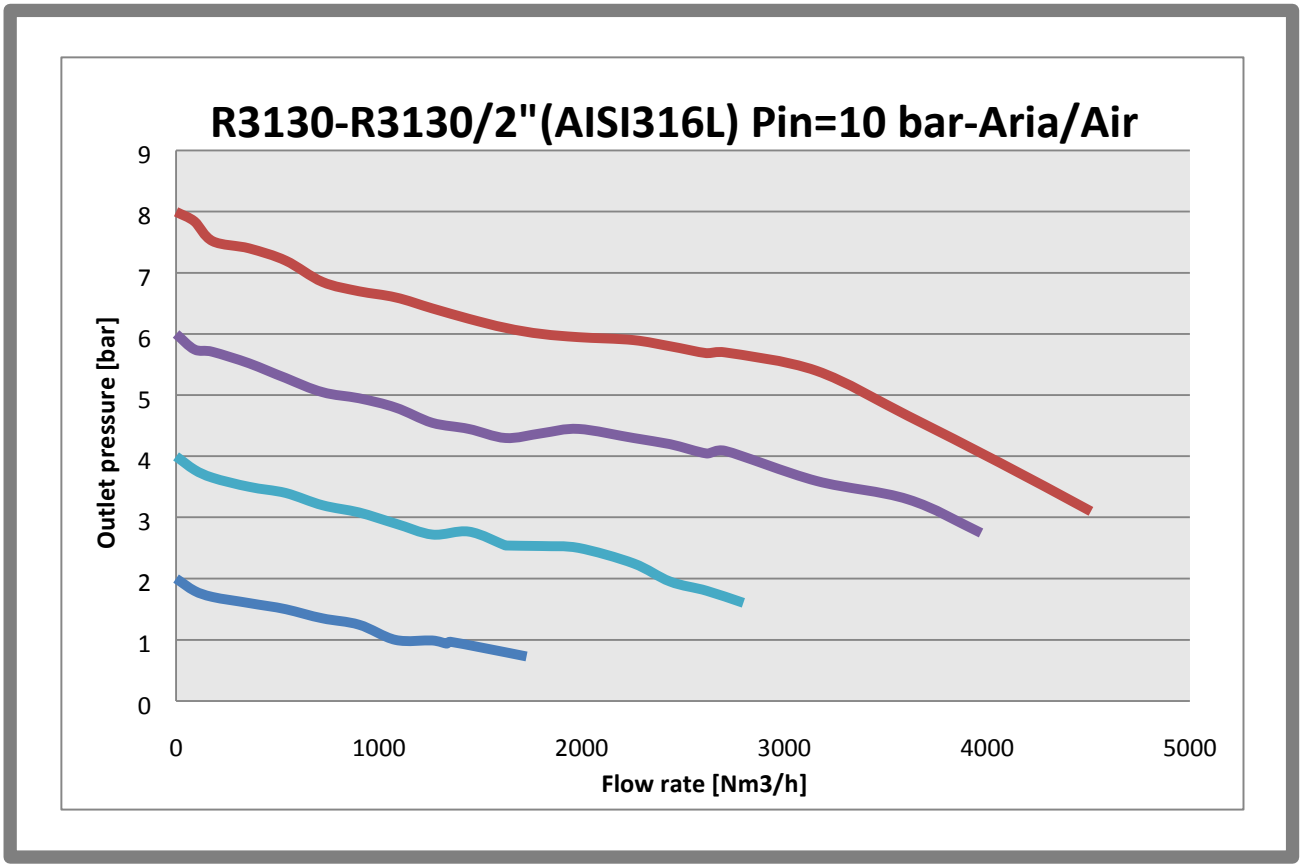
flow charts



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available model types

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

Body by machining bar, without gauge

TYPE	PIn Bar	Pout Bar	Connection IN	Connection OUT	MEDIUM
					R3130
R3130 A	30	0,2 – 1,5	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
R3130 B	30	0,3 – 3	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
R3130 C	30	0,8 – 8	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
R3130 F	50	1,5 – 15	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
R3130 G	50	3 – 30	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
R3130 L	50	5 – 50	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
RP3130 F**	50	1,5 – 15	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving
RP3130 L**	50	5 – 50	G 1 1/2-F	G 1 1/2-F	O2 Liquid * Air – relieving

* Air – N2 – He – Ar – H2– C3H8 – CH4 – CO2 – N2O

** Dome loaded execution

CONNECTION DIFFERENT FROM STANDARD

Inlet outlet connections NPT

Connections with flanges

EXECUTIONS DIFFERENT FROM STANDARD

Inlet pressure max 60 bar

Pre-set outlet pressure

Fixed outlet pressure

O-ring different from standard - EPDM

O-ring in accordance to FDA

Venting on bonnet

Not standard branding

ATEX version

Special temperature range

Degreased for O2

Gauge for outlet pressure

ACCESSORIES

Kit bracket with screws R3130 – M17310

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Body by machining bar, without gauge

TYPE	PIn Bar	Pout Bar	Connection IN	Connection OUT	MEDIUM
					R3130/2"
R3130/2" A1	30	0,2 – 1,5	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
R3130/2" B	30	0,3 – 3	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
R3130/2" C	30	0,8 – 8	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
R3130/2" F	50	1,5 – 15	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
R3130/2" G	50	3 – 30	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
R3130/2" L	50	5 – 50	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
RP3130/2" F**	50	1,5 – 15	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving
RP3130/2" L**	50	5 – 50	G 2-F	G 2-F	O2
					Liquid
					*
					Air – relieving

* Air – N2 – He – Ar – H2– C3H8 – CH4 – CO2 – N2O

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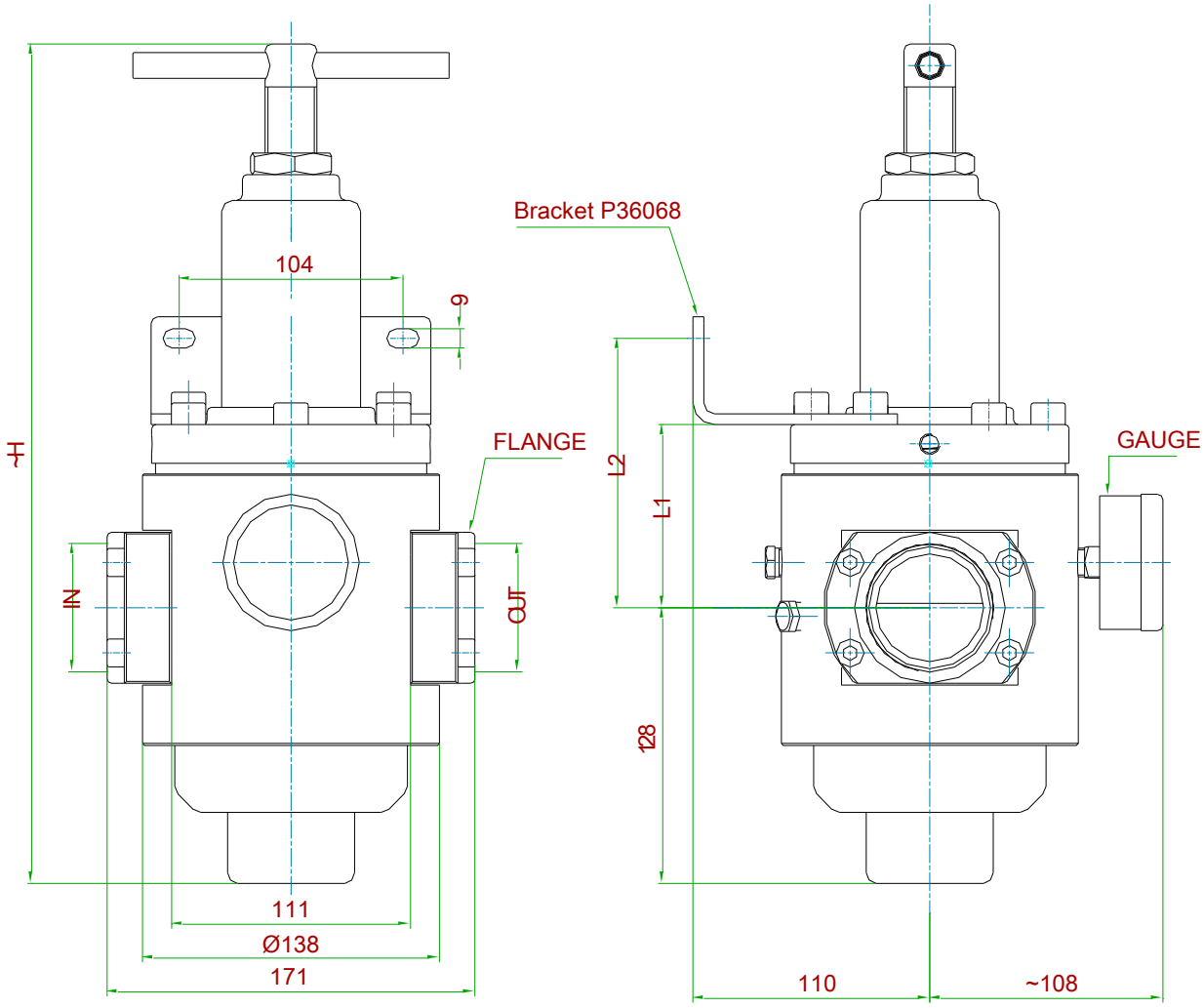
technical drawings (all dimensions in mm)

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

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