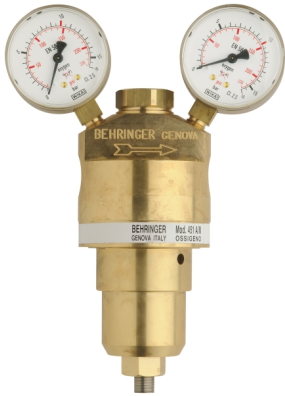


# Marine and industrial plant engineering



## 451 line pressure regulator

### Product description

Line pressure regulator with two pressure gauges used to reduce the pressure to that of the line or equipment. Max. inlet pressure 30 bar (200 bar CRL003). Max. outlet pressure can be regulated to 10 bar (12 bar CRL003). Inlet and outlet connection G1/2" F R. Max. nitrogen capacity at 10 bar 70 Nm<sup>3</sup>/h, 1166 NI/min.

### Normatives

UNI EN ISO 2503:2015 | UNI EN ISO 5171:2010 | UNI EN ISO 9539:2014 | UNI EN ISO 9001:2008

### Components

Body, cap and overpressure discharge valve, incorporated in the pressure regulator, made of CW614N brass.

Pressure adjustment by threaded screw.

No.1 G1/2" F R inlet.

No.1 G1/2" F R outlet.

No.1 0-40 bar inlet pressure gauge (0-2.5 bar for acetylene, 0-16 bar for propane, 0-315 bar CRL003), diameter Ø63 mm, class 2.5.

N.1 0-16 bar outlet pressure gauge (0-2.5 bar for acetylene, 0-6 bar for propane), diameter Ø63 mm, class 2.5. Stainless steel springs.

NBR membrane.

TEFLON, EPDM seat for C<sub>2</sub>H<sub>2</sub>.

NBR O-ring.

NYLON gaskets.

### Product codes

GAS	CODE
OXYGEN, NITROGEN, ARGON, HELIUM, CARBON DIOXIDE, HYDROGEN	CRL002
ACETYLENE	CRL002A
PROPANE	CRL002P
OXYGEN, NITROGEN, ARGON, HELIUM, CARBON DIOXIDE, HYDROGEN	CRL003

## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
CRL002	70 Nm <sup>3</sup> /h	30 bar	10 bar	G1/2" F R	G1/2" F R	4 kg
CRL002A	70 Nm <sup>3</sup> /h	2 bar	1,2 bar	G1/2" F R	G1/2" F R	4 kg
CRL002P	70 Nm <sup>3</sup> /h	4 bar	2 bar	G1/2" F R	G1/2" F R	4 kg
CRL003	90 Nm <sup>3</sup> /h	200 bar	12 bar	G1/2" F R	G1/2" F R	4 kg

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