

# Food gas equipments



## 451-type manifold pressure regulator

### Product description

Pressure regulator for manifolds, suitable for food-grade gas, equipped with dual pressure gauge to show high and low pressure, used to reduce the pressure down to that of the line or of the equipment. Maximum inlet pressure is 200 bar, the outlet pressure is adjustable up to 12 bar. The gas inlet connection is  $\text{SW}21.7 \times 1/14$ " 'A', the outlet is fitted with an  $\text{Ø} 8$  hose connector. Its maximum nitrogen capacity at 12 bar outlet pressure is  $90 \text{ Nm}^3/\text{h}$ ,  $1500 \text{ NI}/\text{min}$ .

### Normatives

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

### Components

Body, cap and overpressure discharge valve integrated in the pressure regulator, made of CW614N chemically nickel-plated brass.

Pressure adjustment by threaded screw.

One  $\text{W}21.7 \times 1/14$ " F R inlet.

One  $\text{Ø} 8$  mm hose connector on the outlet.

One 0-315 bar inlet pressure gauge,  $\text{Ø} 60$  mm, class 2.5.

One 0-16 bar outlet pressure gauge,  $\text{Ø} 60$  mm, class 2.5.

Stainless steel springs.

Food-grade NBR diaphragm.

Silicone O-ring.

Teflon seat.

Nylon gaskets.

### Product codes

GAS	CODE
OXYGEN, NITROGEN, ARGON, HELIUM, CARBON DIOXIDE	HRAL032

## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HRAL032	90 Nm <sup>3</sup> /h	200 bar	12 bar	W21,7x1/14" 'A'	Hose connector Ø 8 mm	4.0 kg

## Technical Images

