

# Food gas equipments



## JUNIOR cylinder pressure regulator

### Product description

Pressure regulator for cylinders, suitable for food-grade gas, equipped with dual pressure gauge to show high and low pressure, used on outlet of cylinders 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 specific to the gas type, the outlet is fitted with an Ø 8 hose connector. Its maximum nitrogen capacity at 12 bar outlet pressure is 60 Nm<sup>3</sup>/h, 1000 NI/min.

### Normatives

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

### Components

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

Pressure adjustment by threaded screw and black ABS knob.

One input specific to the gas type.

One Ø8 mm hose connector on the outlet.

One 0-315 bar inlet pressure gauge, Ø 63 mm, class 2.5.

One 0-16 bar outlet pressure gauge, Ø 63 mm, class 2.5.

Stainless steel springs.

Food-grade NBR diaphragm.

Silicone O-ring.

Teflon seat.

Nylon gaskets.

### Product codes

GAS	INLET CONNECTION	CODE
OXYGEN	G3/4" 'A' DIN	HRAL001D
OXYGEN	W21,80x1/14" 'A' DIN	HRAL001D2
OXYGEN	G5/8" 'B' DIN	HRAL001D3
OXYGEN	SI22,91x1,814 'A' F	HRAL001F
OXYGEN	G5/8" 'B' BS	HRAL001UK

## Product codes

GAS	INLET CONNECTION	CODE
NITROGEN	W24,32x1/14" 'A' DIN	HRAL002D
NITROGEN	W21,80x1/14" 'A' DIN	HRAL002D2
NITROGEN	SI21,7x1,814 'A' F	HRAL002F
NITROGEN	G5/8" 'B' BS	HRAL002UK
HELIUM	W21,80x1/14" 'A' DIN	HRAL003D
HELIUM	W24,32x1/14" 'A' DIN	HRAL003D2
HELIUM	G3/4" 'A' DIN	HRAL003D3
HELIUM	SI21,7x1,814 'A' F	HRAL003F
HELIUM	G5/8" 'B' BS	HRAL003UK
ARGON	W21,80x1/14" 'A' DIN	HRAL004D
ARGON	W24,32x1/14" 'A' DIN	HRAL004D2
ARGON	G3/4" 'A' DIN	HRAL004D3
ARGON	SI21,7x1,814 'A' F	HRAL004F
ARGON	G5/8" 'B' BS	HRAL004UK
CARBON DIOXIDE	W21,80x1/14" 'A' DIN	HRAL005D
CARBON DIOXIDE	G3/4" 'A' DIN	HRAL005D2
CARBON DIOXIDE	SI21,7x1,814 'A' F	HRAL005F
CARBON DIOXIDE	W0,860"X1/14 'A' BS	HRAL005UK

## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HRAL001D	60 Nm <sup>3</sup> /h	200 bar	12 bar	G3/4" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL001D2	60 Nm <sup>3</sup> /h	200 bar	12 bar	W21,80x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL001D3	60 Nm <sup>3</sup> /h	200 bar	12 bar	G5/8" 'B' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL001F	60 Nm <sup>3</sup> /h	200 bar	12 bar	SI22,91x1,814 'A' F	Hose connector Ø 8 mm	1,6 kg
HRAL001UK	60 Nm <sup>3</sup> /h	200 bar	12 bar	G5/8" 'B' BS	Hose connector Ø 8 mm	1,6 kg
HRAL002D	60 Nm <sup>3</sup> /h	200 bar	12 bar	W24,32x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL002D2	60 Nm <sup>3</sup> /h	200 bar	12 bar	W21,80x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL002F	60 Nm <sup>3</sup> /h	200 bar	12 bar	SI21,7x1,814 'A' F	Hose connector Ø 8 mm	1,6 kg
HRAL002UK	60 Nm <sup>3</sup> /h	200 bar	12 bar	G5/8" 'B' BS	Hose connector Ø 8 mm	1,6 kg
HRAL003D	60 Nm <sup>3</sup> /h	200 bar	12 bar	W21,80x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL003D2	60 Nm <sup>3</sup> /h	200 bar	12 bar	W24,32x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL003D3	60 Nm <sup>3</sup> /h	200 bar	12 bar	G3/4" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL003F	60 Nm <sup>3</sup> /h	200 bar	12 bar	SI21,7x1,814 'A' F	Hose connector Ø 8 mm	1,6 kg
HRAL003UK	60 Nm <sup>3</sup> /h	200 bar	12 bar	G5/8" 'B' BS	Hose connector Ø 8 mm	1,6 kg
HRAL004D	60 Nm <sup>3</sup> /h	200 bar	12 bar	W21,80x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL004D2	60 Nm <sup>3</sup> /h	200 bar	12 bar	W24,32x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL004D3	60 Nm <sup>3</sup> /h	200 bar	12 bar	G3/4" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL004F	60 Nm <sup>3</sup> /h	200 bar	12 bar	SI21,7x1,814 'A' F	Hose connector Ø 8 mm	1,6 kg
HRAL004UK	60 Nm <sup>3</sup> /h	200 bar	12 bar	G5/8" 'B' BS	Hose connector Ø 8 mm	1,6 kg
HRAL005D	60 Nm <sup>3</sup> /h	200 bar	12 bar	W21,80x1/14" 'A' DIN	Hose connector Ø 8 mm	1,6 kg
HRAL005D2	60 Nm <sup>3</sup> /h	200 bar	12 bar	G3/4" 'A' DIN	Hose connector Ø 8 mm	1,6 kg

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## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HRAL005F	60 Nm <sup>3</sup> /h	200 bar	12 bar	SI21,7x1,814 'A' F	Hose connector Ø 8 mm	1,6 kg
HRAL005UK	60 Nm <sup>3</sup> /h	200 bar	12 bar	W0,860"x1/14 'A' BS	Hose connector Ø 8 mm	1,6 kg

## Technical Images

