

# Food gas equipments



## 451-type 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 W21.7x1/14" 'A', the outlet is fitted with an Ø 8 hose connector. Its maximum nitrogen capacity at 12 bar outlet pressure is 90 Nm<sup>3</sup>/h, 1500 NI/min.

### Normatives

UNI EN ISO 2503 | UNI EN ISO 5171 | Regolamento (CE) n. 1935/2004

### Components

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

Pressure adjustment by threaded screw.

Inlet connections are specific according to the type of gas.

One Ø8 mm hose connector on the outlet.

One 0-315 bar inlet pressure gauge, Ø 60 mm, class 2.5.

One 0-16 bar outlet pressure gauge, Ø 60 mm, class 2.5.

Stainless steel springs.

Food-grade NBR diaphragm.

Silicone O-ring.

Teflon seat.

Nylon gaskets.

### Maintenance kit

CODICE	DESCRIZIONE
HKAL002	REDUCER MAINTENANCE EQ 451 A.P. FOOD

## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HRAL006D	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-9 - G <sup>3</sup> / <sub>4</sub> " 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL006D2	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-6 - W21,8x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL006D3	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-13 - G5/8" 'B' RH	Hose connector Ø 8 mm	4,0 kg
HRAL006F	90 Nm <sup>3</sup> /h	200 bar	12 bar	NF-F - SI22,91x1,814 'B' RH	Hose connector Ø 8 mm	4,0 kg
HRAL006UK	90 Nm <sup>3</sup> /h	200 bar	12 bar	BS-3 - G5/8" 'B' RH	Hose connector Ø 8 mm	4,0 kg
HRAL007D	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-10 - W24,32x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL007D2	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-6 - W21,8x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL007F	90 Nm <sup>3</sup> /h	200 bar	12 bar	NF-C - SI21,7x1,814 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL007UK	90 Nm <sup>3</sup> /h	200 bar	12 bar	BS-3 - G5/8" 'B' RH	Hose connector Ø 8 mm	4,0 kg
HRAL008D	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-6 - W21,8x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL008D2	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-10 - W24,32x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL008D3	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-9 - G <sup>3</sup> / <sub>4</sub> " 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL008F	90 Nm <sup>3</sup> /h	200 bar	12 bar	NF-C - SI21,7x1,814 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL008UK	90 Nm <sup>3</sup> /h	200 bar	12 bar	BS-3 - G5/8" 'B' RH	Hose connector Ø 8 mm	4,0 kg
HRAL009D	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-6 - W21,8x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL009D2	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-10 - W24,32x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL009D3	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-9 - G <sup>3</sup> / <sub>4</sub> " 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL009F	90 Nm <sup>3</sup> /h	200 bar	12 bar	NF-C - SI21,7x1,814 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL009UK	90 Nm <sup>3</sup> /h	200 bar	12 bar	BS-3 - G5/8" 'B' RH	Hose connector Ø 8 mm	4,0 kg
HRAL010D	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-6 - W21,8x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL010D2	90 Nm <sup>3</sup> /h	200 bar	12 bar	DIN-9 - G <sup>3</sup> / <sub>4</sub> " 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL010F	90 Nm <sup>3</sup> /h	200 bar	12 bar	NF-C - SI21,7x1,814 'A' RH	Hose connector Ø 8 mm	4,0 kg
HRAL010UK	90 Nm <sup>3</sup> /h	200 bar	12 bar	BS-8 - W0,860"x1/14" 'A' RH	Hose connector Ø 8 mm	4,0 kg

