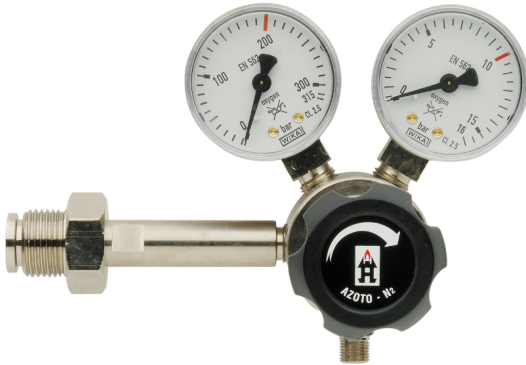




# Pure gas devices



## HF/86 cylinder pressure regulator

### Product description

Pressure regulator for cylinders, suitable for pure gases, equipped with dual pressure gauge to show cylinder pressure and operating pressure, used on cylinder outlets 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 10 bar. Inlet connection is specific to the gas type, outlet connection is G1/4" F R. Its maximum capacity at 10 bar outlet pressure is 18 Nm<sup>3</sup>/h, 300 NI/min. A helium leak test at 10<sup>-4</sup> mbar l/s can be carried out at the customer's request.

### Normatives

UNI EN ISO 2503 | UNI EN ISO 7291 | UNI EN ISO 9539 | UNI EN ISO 5171

### Components

One HF high pressure regulator with chemically nickel-plated CW614N brass body with adjustable calibration and stainless steel diaphragm.

ABS adjustment knob.

One input specific to the gas type used.

One G1/4" M R outlet. One overpressure discharge valve, built into the pressure regulator, pre-calibrated and with drain channel, G1/4" M R.

One high pressure gauge with range according to the gas used, class 2.5.

One low pressure gauge with range according to the gas used, class 2.5.

One stainless steel inlet filter with filtration grade > 100 mm.

Stainless steel springs.

TEFLON seal seat.

NBR o-ring.

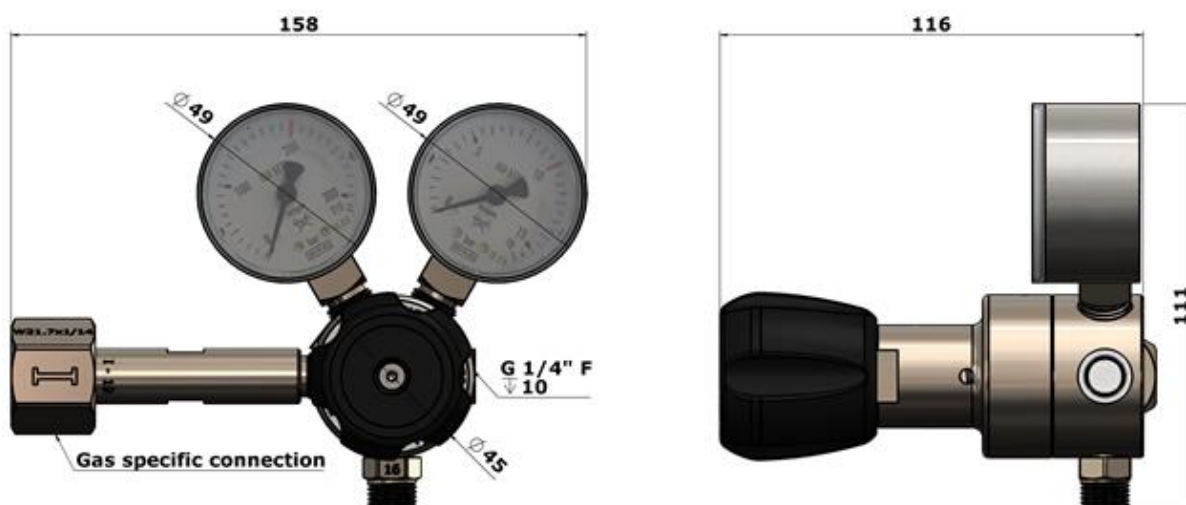
### Maintenance kit

CODE	DESCRIPTION
HK138	MAINTENANCE EQ HF A.P. PURE GASES

## Technical data

CODE	GAS	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	PRESSURE GAUGE RANGE	WEIGHT
HRG01D	OXYGEN, CARBON DIOXIDE, HELIUM, ARGON	18 Nm <sup>3</sup> /h	200 bar	10 bar	G3/4" 'A' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG01F	OXYGEN	18 Nm <sup>3</sup> /h	200 bar	10 bar	SI22,91x1,814 'A' F	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG01UK	OXYGEN, NITROGEN, AIR, HELIUM, ARGON	18 Nm <sup>3</sup> /h	200 bar	10 bar	G5/8" 'B' UK	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG02D	NITROGEN, HELIUM, ARGON	18 Nm <sup>3</sup> /h	200 bar	10 bar	W24,32x1/14" 'A' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG02F	NITROGEN, HELIUM, ARGON	18 Nm <sup>3</sup> /h	200 bar	10 bar	SI21,7x1,814 'A' F	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG03D	AIR	18 Nm <sup>3</sup> /h	200 bar	10 bar	G5/8" 'B' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG03F	AIR	18 Nm <sup>3</sup> /h	200 bar	10 bar	SI30x1,75 'A' F	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG04F	NITROUS OXIDE	18 Nm <sup>3</sup> /h	200 bar	10 bar	SI26x1,5 'B' F	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG04UK	NITROUS OXIDE	18 Nm <sup>3</sup> /h	200 bar	10 bar	W11/16"x1/20" UK	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG05D	CARBON DIOXIDE, NITROGEN, AIR, NITROUS OXIDE, HELIUM, ARGON	18 Nm <sup>3</sup> /h	200 bar	10 bar	W21,80x1/14" 'A' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG07D	HYDROGEN, METHANE	18 Nm <sup>3</sup> /h	200 bar	10 bar	W21,80x1/14" LH 'A' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG07F	HYDROGEN, METHANE	18 Nm <sup>3</sup> /h	200 bar	10 bar	SI 21,7x1,8/14" LH 'A' F	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG07UK	HYDROGEN, METHANE	18 Nm <sup>3</sup> /h	200 bar	10 bar	G5/8" LH 'B' UK	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG08D	ACETYLENE	6 Nm <sup>3</sup> /h	25 bar	1,2 bar	M22x2 'C' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG09UK	CARBON DIOXIDE	18 Nm <sup>3</sup> /h	200 bar	10 bar	0,860"x14 TPI 'A'	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG12D	ACETYLENE	6 Nm <sup>3</sup> /h	25 bar	1,2 bar	G3/8" LH 'B' UK	G1/4" F R	0-40 bar / 0-2,5 bar	0,9 kg
HRG12F	ACETYLENE	6 Nm <sup>3</sup> /h	25 bar	1,2 bar	W21,91x1,814 'B' DIN	G1/4" F R	0-40 bar / 0-2,5 bar	0,9 kg
HRG12UK	ACETYLENE	6 Nm <sup>3</sup> /h	25 bar	1,2 bar	G5/8" LH 'B' UK	G1/4" F R	0-40 bar / 0-2,5 bar	0,9 kg
HRG13D	PROPANE	6 Nm <sup>3</sup> /h	15 bar	5 bar	W21,80x1/14" LH 'A' DIN	G1/4" F R	0-16 bar / 0-6 bar	0,9 kg
HRG13F	PROPANE	6 Nm <sup>3</sup> /h	15 bar	5 bar	G5/8" LH 'B' F	G1/4" F R	0-16 bar / 0-6 bar	0,9 kg
HRG13UK	PROPANE	6 Nm <sup>3</sup> /h	15 bar	5 bar	SI21,7x1,814 LH 'A' UK	G1/4" F R	0-16 bar / 0-6 bar	0,9 kg

## Technical Images



Behringer S.r.l. via Gualco 4, 16165 Genova ITALY

T +39 010 8309103

F +39 010 8309183

e-mail [info@behringer.it](mailto:info@behringer.it)

C.F. e P.I. 01167840998

