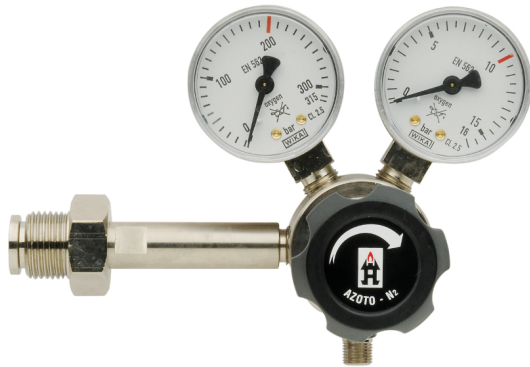


Pure gas devices



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 Nm³/h, 300 Nl/min. A helium leak test at 10⁻⁴ mbar l/s can be carried out at the customer's request.

Normatives

UNI EN ISO 2503:2015 | UNI EN ISO 5171:2010 | UNI EN ISO 7291:2015 | UNI EN ISO 9539:2014 | UNI EN ISO 9001:2008

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.

Product codes

GAS	INLET CONNECTION	CODE
OXYGEN, CARBON DIOXIDE, HELIUM, ARGON	G3/4" 'A' DIN	HRG01D
OXYGEN	SI21,91x1,814 'A' F	HRG01F
OXYGEN, NITROGEN, AIR, HELIUM, ARGON	G5/8" 'B' UK	HRG01UK
NITROGEN, HELIUM, ARGON	W24,32x1/14" 'A' DIN	HRG02D

Product codes

GAS	INLET CONNECTION	CODE
NITROGEN, HELIUM, ARGON	SI21,7x1,814 'A' F	HRG02F
AIR	G5/8" 'B' DIN	HRG03D
AIR	SI30x1,75 'A' F	HRG03F
NITROUS OXIDE	SI26x1,5 'B' F	HRG04F
NITROUS OXIDE	W11/16"x1/20" UK	HRG04UK
CARBON DIOXIDE, NITROGEN, AIR, NITROUS OXIDE, HELIUM, ARGON	W21,80x1/14" 'A' DIN	HRG05D
HYDROGEN, METHANE	W21,80x1/14" LH 'A' DIN	HRG07D
HYDROGEN, METHANE	SI 21,7x1,8/14" LH 'A' F	HRG07F
HYDROGEN, METHANE	G5/8" LH 'B' UK	HRG07UK
ACETYLENE	M22x2 'C' DIN	HRG08D
ACETYLENE	Bracket Ø15,3xØ7,5	HRG08D2
CARBON DIOXIDE	0,860"x14 TPI 'A'	HRG09UK
ACETYLENE	G3/8" LH 'B' UK	HRG12D
ACETYLENE	W21,91x1,814 'B' DIN	HRG12F
ACETYLENE	G5/8" LH 'B' UK	HRG12UK
PROPANE	W21,80x1/14" LH 'A' DIN	HRG13D
PROPANE	G5/8" LH 'B' F	HRG13F
PROPANE	SI21,7x1,814 LH 'A' UK	HRG13UK

Technical data

CODE	GAS	Q max.	P ₁ max.	P ₂ max.	INLET CONNECTION	OUTLET CONNECTION	PRESSURE GAUGE RANGE	WEIGHT
HRG01D	OXYGEN, CARBON DIOXIDE, HELIUM, ARGON	18 Nm ³ /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 ³ /h	200 bar	10 bar	SI21,91x1,814 'A' F	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG01UK	OXYGEN, NITROGEN, AIR, HELIUM, ARGON	18 Nm ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /h	25 bar	1,2 bar	M22x2 'C' DIN	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG08D2	ACETYLENE	6 Nm ³ /h	25 bar	1,2 bar	Bracket Ø15,3xØ7,5	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg
HRG09UK	CARBON DIOXIDE	18 Nm ³ /h	200 bar	10 bar	0,860"x14 TPI 'A'	G1/4" F R	0-315 bar / 0-16 bar	0,9 kg

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Technical data

CODE	GAS	Q max.	P ₁ max.	P ₂ max.	INLET CONNECTION	OUTLET CONNECTION	PRESSURE GAUGE RANGE	WEIGHT
HRG12D	ACETYLENE	6 Nm ³ /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 ³ /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 ³ /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 ³ /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 ³ /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 ³ /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

