

# Medical gas devices

## HF cylinder pressure regulator with terminal unit

### Product description



Pressure regulator for cylinders, suitable for medical gases, equipped with single pressure gauge to show operating pressure, used on cylinder outlets to reduce the pressure down to that of the line or equipment. Maximum inlet pressure is 200 bar, the outlet pressure is adjustable up to 10 bar. The inlet connection is gas-specific. A UNI 9507 or AFNOR NF-S 90-116 can be fitted on the outlet. Its maximum capacity at 10 bar outlet pressure is 9 Nm<sup>3</sup>/h, 150 NI/min.

### Normatives

UNI EN ISO 10524-1:2006 | NF S 90-116 | UNI EN ISO 9001:2008 | UNI CEI EN ISO 14971:2012 | UNI 9507:2004 | UNI CEI EN ISO 13485:2004 | UNI EN ISO 15001:2012

### Components

- N. One HF High Pressure regulator with chemically nickel-plated CW614N brass body and adjustable calibration. ABS adjustment knob.
- N. One gas-specific inlet.
- N. 1 outlet with UNI 9507 or AFNOR NS-S 90-116 socket.
- N. One overpressure discharge valve, built into the pressure regulator, pre-calibrated and with drain channel, G1/4" M R.
- N. One Low Pressure gauge with range according to the gas used, class 2.5.N.
- One stainless steel inlet filter with filtration grade > 100 mm.
- Stainless steel springs.
- VITON O-Ring for O<sub>2</sub>, NBR O-ring for other gases.
- NYLON seal seat for O<sub>2</sub>, TEFLON seal seat for other gases.
- VITON O-Ring for O<sub>2</sub>, NBR O-ring for other gases.

### Product codes

GAS	INLET CONNECTION	OUTLET CONNECTION	CODE
OXYGEN	SI22,91x1,814 'B'	AFNOR NF S 90-116	HR104
OXYGEN	G5/8" DIN 'B'	AFNOR NF S 90-116	HR207
NITROUS OXIDE	SI26x1,5 'B'	AFNOR NF S 90-116	HR105
NITROUS OXIDE	SI21,7x1,814 'A'	AFNOR NF S 90-116	HR204
AIR	W24x2" 'A'	AFNOR NF S 90-116	HR106

## Product codes

GAS	INLET CONNECTION	OUTLET CONNECTION	CODE
AIR	G3/4" 'A'	AFNOR NF S 90-116	HR195
CARBON DIOXIDE	SI21,7x1,814 'A'	AFNOR NF S 90-116	HR107
CARBON DIOXIDE	W21,8x1/14" 'A'	AFNOR NF S 90-116	HR203
NITROGEN	W21,7x1/14" 'A'	AFNOR NF S 90-116	HR048
NITROGEN	SI21,7x1,814 'A'	AFNOR NF S 90-116	HR108

## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HR104	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI22,91x1,814 'B'	AFNOR NF S 90-116	1,2 kg
HR207	9 Nm <sup>3</sup> /h	200 bar	4 bar	G5/8" DIN 'B'	AFNOR NF S 90-116	1,2 kg
HR105	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI26x1,5 'B'	AFNOR NF S 90-116	1,2 kg
HR204	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,7x1,814 'A'	AFNOR NF S 90-116	1,2 kg
HR106	9 Nm <sup>3</sup> /h	200 bar	4 bar	W24x2" 'A'	AFNOR NF S 90-116	1,2 kg
HR195	9 Nm <sup>3</sup> /h	200 bar	4 bar	G3/4" 'A'	AFNOR NF S 90-116	1,2 kg
HR107	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,7x1,814 'A'	AFNOR NF S 90-116	1,2 kg
HR203	9 Nm <sup>3</sup> /h	200 bar	4 bar	W21,8x1/14" 'A'	AFNOR NF S 90-116	1,2 kg
HR048	9 Nm <sup>3</sup> /h	200 bar	4 bar	W21,7x1/14" 'A'	AFNOR NF S 90-116	1,2 kg
HR108	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,7x1,814 'A'	AFNOR NF S 90-116	1,2 kg

## Technical Images

