



**BEHRINGER**

# Medical gas devices



## HF cylinder pressure regulator

### 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 4 bar. The gas inlet connection is specific to the gas type, the outlet is fitted with an Ø 6 mm hose connector. Its maximum capacity at 4 bar outlet pressure is 9 Nm<sup>3</sup>/h, 150 NI/min.

## Normatives

UNI EN ISO 10524-1:2006 | UNI EN ISO 9001:2008 | UNI CEI EN ISO 14971:2012 | 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.One Ø 6 mm hose connector on the outlet.
- N.One overpressure discharge valve, built into the pressure regulator, pre-calibrated and with drain channel, G1/4" M R.
- N.One High Pressure gauge with range according to the gas used, class 2.5.
- 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	CATALOGUE NO.
OXYGEN	G 3/4" 'A'	Ø 6 mm hose connector	HR043	157971/R
OXYGEN	SI22,91x1,814 'B'	Ø 6 mm hose connector	HR043A	157971/R
OXYGEN	G 5/8" DIN 'B'	Ø 6 mm hose connector	HR0210	157971/R
NITROUS OXIDE	SI26x1,5 'B'	Ø 6 mm hose connector	HR097	157971/R

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## Product codes

GAS	INLET CONNECTION	OUTLET CONNECTION	CODE	CATALOGUE NO.
NITROUS OXIDE	W21,7x1,814 'A'	Ø 6 mm hose connector	HR206	157971/R
AIR	G 5/8" DIN 'B'	Ø 6 mm hose connector	HR098	157971/R
AIR	W24x2 'A'	Ø 6 mm hose connector	HR099	157971/R
AIR	G 3/4" 'A'	Ø 6 mm hose connector	HR201	157971/R
CARBON DIOXIDE	W21,8x1/14" 'A'	Ø 6 mm hose connector	HR100	157971/R
CARBON DIOXIDE	SI21,7x1,814 'A'	Ø 6 mm hose connector	HR101	157971/R
NITROGEN	W21,7x1/14" 'A'	Ø 6 mm hose connector	HR047	157971/R
NITROGEN	W24,32x1/14" 'A'	Ø 6 mm hose connector	HR102	157971/R
NITROGEN	SI21,7x1,814 'A'	Ø 6 mm hose connector	HR103	157971/R
OXYGEN	SI21,91x1,814 'B'	Ø 6 mm hose connector	HR104	157971/R

## Technical data

CODE	Q max.	P <sub>1</sub> max.	P <sub>2</sub> max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HR043	9 Nm <sup>3</sup> /h	200 bar	4 bar	G 3/4" 'A'	Ø 6 mm hose connector	1,2 kg
HR043A	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI22,91x1,814 'B'	Ø 6 mm hose connector	1,2 kg
HR210	9 Nm <sup>3</sup> /h	200 bar	4 bar	G 5/8" DIN 'B'	Ø 6 mm hose connector	1,2 kg
HR097	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI26x1,5 'B'	Ø 6 mm hose connector	1,2 kg
HR206	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,7x1,814 'A'	Ø 6 mm hose connector	1,2 kg
HR098	9 Nm <sup>3</sup> /h	200 bar	4 bar	G 5/8" DIN 'B'	Ø 6 mm hose connector	1,2 kg
HR099	9 Nm <sup>3</sup> /h	200 bar	4 bar	W24x2 'A'	Ø 6 mm hose connector	1,2 kg
HR201	9 Nm <sup>3</sup> /h	200 bar	4 bar	G 3/4" 'A'	Ø 6 mm hose connector	1,2 kg
HR100	9 Nm <sup>3</sup> /h	200 bar	4 bar	W21,8x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR101	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,7x1,814 'A'	Ø 6 mm hose connector	1,2 kg
HR047	9 Nm <sup>3</sup> /h	200 bar	4 bar	W21,7x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR102	9 Nm <sup>3</sup> /h	200 bar	4 bar	W24,32x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR103	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,7x1,814 'A'	Ø 6 mm hose connector	1,2 kg
HR104	9 Nm <sup>3</sup> /h	200 bar	4 bar	SI21,91x1,814 'B'	Ø 6 mm hose connector	1,2 kg

