



BEHRINGER

Medical gas devices



HF/86 cylinder pressure regulator

Product description

Pressure regulator for cylinders, suitable for medical 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 equipment. Maximum inlet pressure is 200 bar, the outlet pressure is adjustable up to 10 bar. The gas inlet connection is specific to the gas type, the outlet is fitted with an \varnothing 6 mm hose connector. Its maximum capacity at 10 bar outlet pressure is 30 Nm³/h, 500 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 \varnothing 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 μ m.
- Stainless steel springs.
- VITON O-Ring for O₂, NBR O-ring for other gases.
- NYLON seal seat for O₂, TEFLON seal seat for other gases.
- VITON O-Ring for O₂, NBR O-ring for other gases.

Product codes

GAS	INLET CONNECTION	OUTLET CONNECTION	CODE
OXYGEN	G 3/4" 'A'	\varnothing 6 mm hose connector	HR110
OXYGEN	SI22,91x1,814 'B'	\varnothing 6 mm hose connector	HR111
OXYGEN	G 5/8" DIN 'B'	\varnothing 6 mm hose connector	HR214
NITROUS OXIDE	SI26x1,5 'B'	\varnothing 6 mm hose connector	HR113

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Product codes

GAS	INLET CONNECTION	OUTLET CONNECTION	CODE
NITROUS OXIDE	SI21,7x1,814 'A'	Ø 6 mm hose connector	HR179
AIR	G 5/8" DIN 'B'	Ø 6 mm hose connector	HR114
AIR	G 3/4" 'A'	Ø 6 mm hose connector	HR212
CARBON DIOXIDE	W24x2" 'A'	Ø 6 mm hose connector	HR115
CARBON DIOXIDE	W21,8x1/14" 'A'	Ø 6 mm hose connector	HR116
CARBON DIOXIDE	SI21,7x1,814 'A'	Ø 6 mm hose connector	HR117
NITROGEN	W24,32x1/14" 'A'	Ø 6 mm hose connector	HR118
NITROGEN	SI21,7x1,814 'A'	Ø 6 mm hose connector	HR119
NITROGEN	W21,7x1/14" 'A'	Ø 6 mm hose connector	HR213
OXYGEN	W23,42x1/14" 'A'	Ø 6 mm hose connector	HR223
OXYGEN	W21,8x1/14" 'A'	Ø 6 mm hose connector	HR224

Technical data

CODE	Q max.	P ₁ max.	P ₂ max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HR110	30 Nm ³ /h	200 bar	10 bar	G 3/4" 'A'	Ø 6 mm hose connector	1,2 kg
HR111	30 Nm ³ /h	200 bar	10 bar	SI22,91x1,814 'B'	Ø 6 mm hose connector	1,2 kg
HR214	30 Nm ³ /h	200 bar	10 bar	G 5/8" DIN 'B'	Ø 6 mm hose connector	1,2 kg
HR113	30 Nm ³ /h	200 bar	10 bar	SI26x1,5 'B'	Ø 6 mm hose connector	1,2 kg
HR179	30 Nm ³ /h	200 bar	10 bar	SI21,7x1,814 'A'	Ø 6 mm hose connector	1,2 kg
HR114	30 Nm ³ /h	200 bar	10 bar	G 5/8" DIN 'B'	Ø 6 mm hose connector	1,2 kg
HR212	30 Nm ³ /h	200 bar	10 bar	G 3/4" 'A'	Ø 6 mm hose connector	1,2 kg
HR115	30 Nm ³ /h	200 bar	10 bar	W24x2" 'A'	Ø 6 mm hose connector	1,2 kg
HR116	30 Nm ³ /h	200 bar	10 bar	W21,8x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR117	30 Nm ³ /h	200 bar	10 bar	SI21,7x1,814 'A'	Ø 6 mm hose connector	1,2 kg
HR118	30 Nm ³ /h	200 bar	10 bar	W24,32x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR119	30 Nm ³ /h	200 bar	10 bar	SI21,7x1,814 'A'	Ø 6 mm hose connector	1,2 kg
HR213	30 Nm ³ /h	200 bar	10 bar	W21,7x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR223	30 Nm ³ /h	200 bar	10 bar	W23,42x1/14" 'A'	Ø 6 mm hose connector	1,2 kg
HR224	30 Nm ³ /h	200 bar	10 bar	W21,8x1/14" 'A'	Ø 6 mm hose connector	1,2 kg

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