451-type cylinder pressure regulator

CE
Organismo Notificato n. 0476
Notified Body nr. 0476

Product description

Pressure regulator for cylinders, suitable for medical gases, equipped with dual pressure gauge to show high and low pressure, used on the outlet of cylinders to reduce the pressure down to the line or equipment set.Maximum inlet pressure is 200 bar, the outlet pressure is adjustable up to 12 bar.The inlet connection is specific to the gas type, the outlet is fitted with an Ø 6 hose connector.Its maximum nitrogen capacity at 12 bar outlet pressure is 90 Nm³/h, 1500 Nl/min.

Normatives

UNI EN ISO 10524-1 | UNI EN 837-1 | UNI CEI EN ISO 14971 | UNI EN ISO 15001

Components

Body, cap and overpressure discharge valve integrated into the pressure regulator, made of CW614N chemically nickel-plated brass.
Pressure adjustment by threaded screw.
Inlet connections are specific according to the type of gas.
N.One Ø6 mm hose connector on the outlet.
N.One 0-315 bar inlet pressure gauge, Ø 63 mm, class 2.5.
N.One 0-16 bar outlet pressure gauge, Ø 63 mm, class 2.5.
Stainless steel springs.
EPDM PEROX membrane.
EPDM perox O-Ring.
NYLON seal seat.
NYLON gaskets.

Maintenance kit

CODE	DESCRIPTION
HK001	REPLACEMENT EQ 451 EPDM/NYLON

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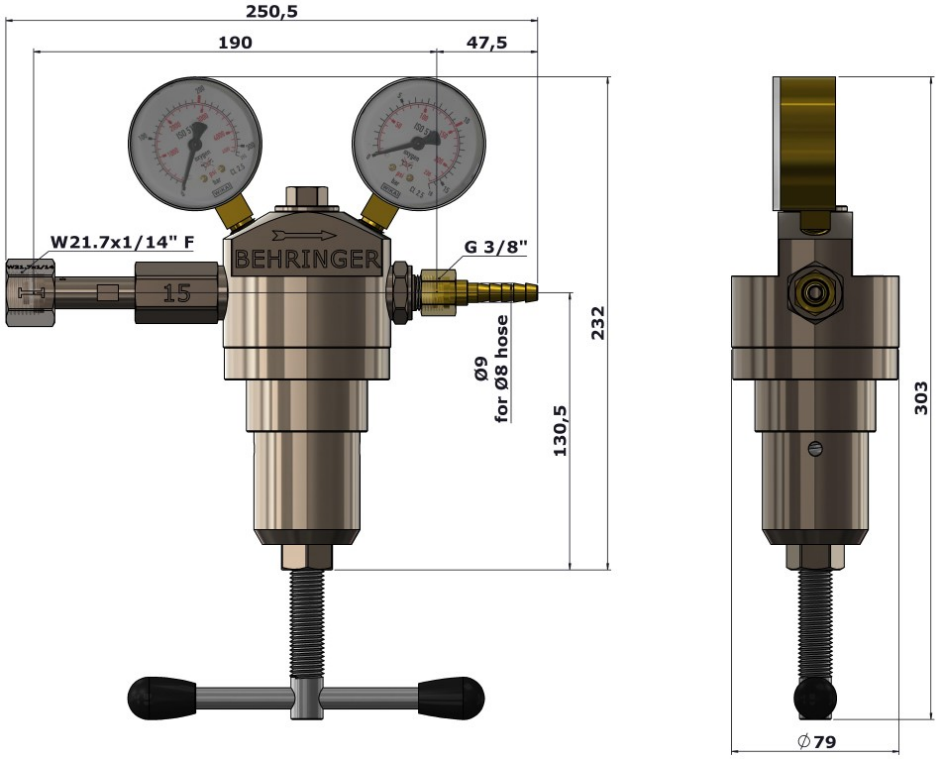
Technical data

CODE	GAS	Q max.	P_1 max.	P_2 max.	INLET CONNECTION	OUTLET CONNECTION	WEIGHT
HR052D	O_2	90 Nm³/h	200 bar	12 bar	DIN-9	Hose connector Ø 6 mm	4,4 kg
HR052F	O_2	90 Nm³/h	200 bar	12 bar	NF-F	Hose connector Ø 6 mm	4,4 kg
HR053F	N_2O	90 Nm³/h	200 bar	12 bar	NF-G	Hose connector Ø 6 mm	4,4 kg
HR054D	Air	90 Nm³/h	200 bar	12 bar	DIN-13	Hose connector Ø 6 mm	4,4 kg
HR054F	Air	90 Nm³/h	200 bar	12 bar	NF-D	Hose connector Ø 6 mm	4,4 kg
HR055D	CO_2	90 Nm³/h	200 bar	12 bar	DIN-6	Hose connector Ø 6 mm	4,4 kg
HR055F	CO_2	90 Nm³/h	200 bar	12 bar	NF-C	Hose connector Ø 6 mm	4,4 kg
HR056D	N_2	90 Nm³/h	200 bar	12 bar	DIN-10	Hose connector Ø 6 mm	4,4 kg
HR056F	N_2	90 Nm³/h	200 bar	12 bar	NF-C	Hose connector Ø 6 mm	4,4 kg

Technical Images



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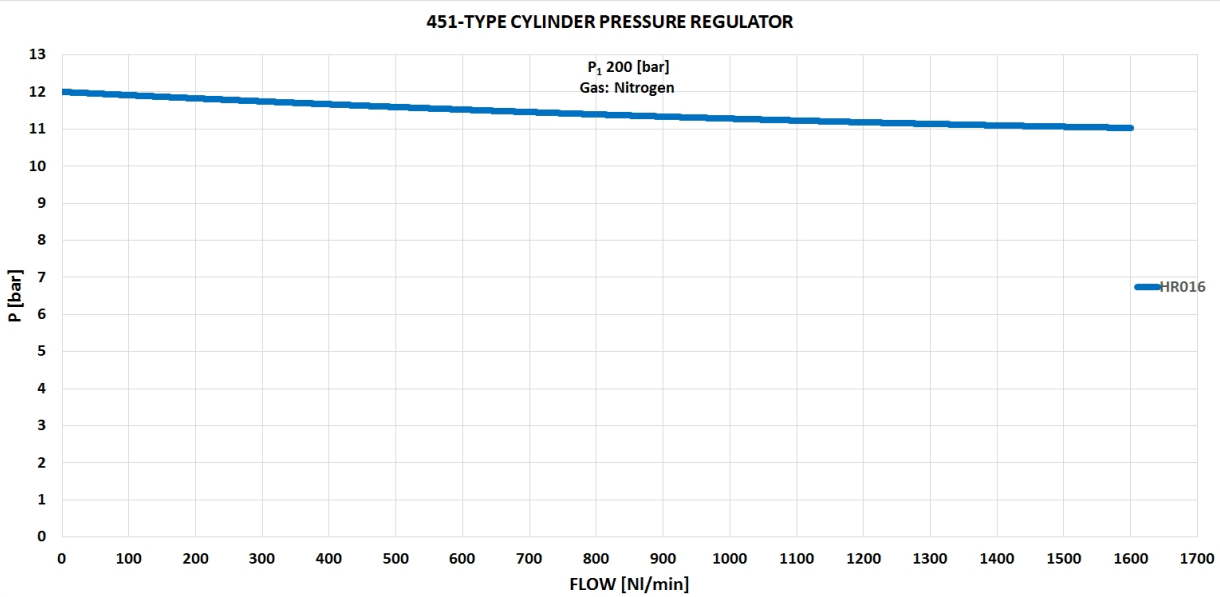

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