



BEHRINGER

Medical gas devices



ECO/4 PLUS fourth source module

Product description

2-stage control module for medical gases, consisting of a High Pressure model 451 regulator and a Low Pressure model 451 regulator, both made of CW614N brass. As well as the two regulators, the module also has a High Pressure gauge, a High Pressure shut-off valve, two overpressure discharge valves integrated into the pressure regulators that can be connected with a \varnothing 16 mm weld-on pipe connector, and a Low Pressure shut-off valve for servicing. Low Pressure gauge on the outlet to measure line pressure. The inlet connection is specific for the gas used, the outlet is fitted with a \varnothing 22 mm weld-on pipe connector. Its maximum

nitrogen capacity at 7.5 bar outlet pressure is 70 Nm³/h, 1166 NI/min. The control module is protected against atmospheric agents by PLEXIGLAS. For easy wall mounting, all components are installed on a powder-coated metal plate.

Normatives

UNI EN ISO 10524-2:2006 | 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 451 High Pressure regulator made of CW614N brass and stainless steel pressure adjustment set screw.
- N. One 451 Low Pressure regulator made of CW614N brass and stainless steel pressure adjustment set screw.
- N. Two overpressure discharge valves, integrated into the pressure regulators, made of CW614N brass.
- N. One gas-specific inlet.
- N. One outlet with \varnothing 22 mm weld-on pipe connector.
- N. One CW614N brass High Pressure shut-off valve.
- N. One Low Pressure shut-off valve for servicing.
- N. One CW614N brass check valve.
- N. One High Pressure gauge, range 0-315 bar, class 2.5.
- N. One Low Pressure gauge, range 0-16 bar, class 2.5.
- N. One sintered bronze inlet filter (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.
- Nylon gaskets.
- PLEXIGLAS cover.
- Powder-coated metal fixing plate.

Behringer S.r.l. via Gualco 4, 16165 Genova ITALY

T +39 010 8309103

F +39 010 8309183

e-mail info@behringer.it

C.F. e P.I. 01167840998

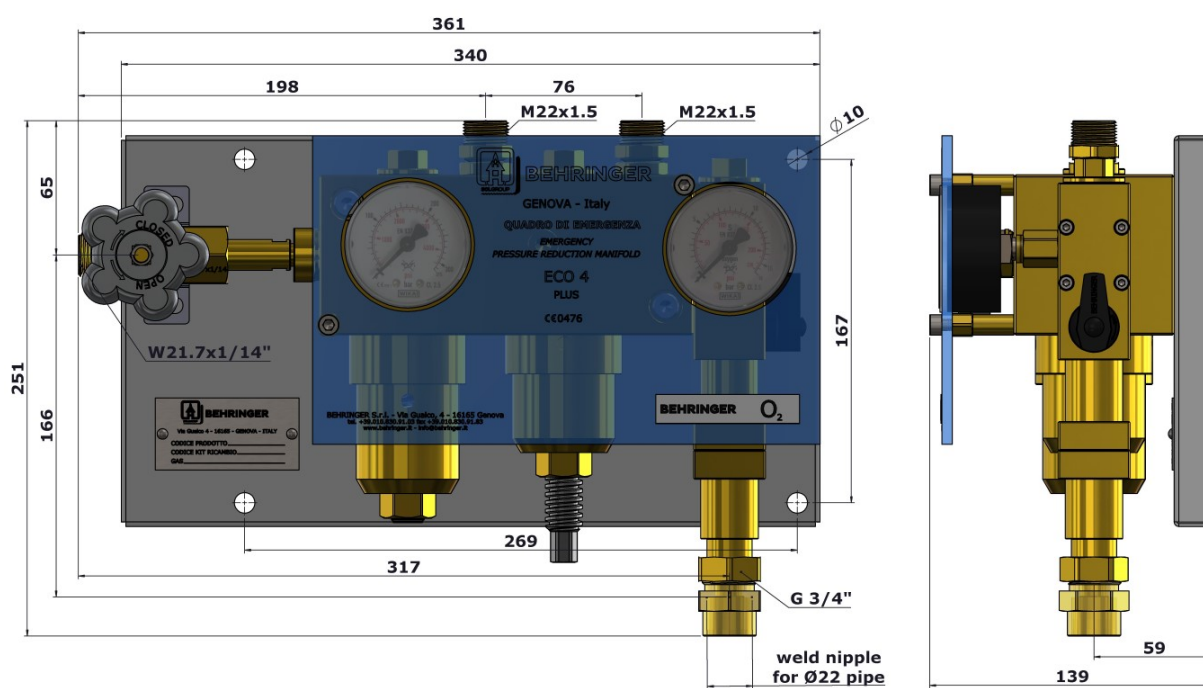
Product codes

GAS	CODE
OXYGEN	HQ019DR1
NITROUS OXIDE	HQ020DR1
NITROGEN	HQ021DR1
CARBON DIOXIDE	HQ022DR1
AIR	HQ023DR1

Technical data

CODE	Q max.	P ₁ max.	P ₂	CONNECTION	WEIGHT
HQ019DR1	90 Nm ³ /h	200 bar	9 bar	W21,7x1/14" 'A'	14,0 kg
HQ020DR1	90 Nm ³ /h	200 bar	9 bar	G3/8" 'A'	14,0 kg
HQ021DR1	90 Nm ³ /h	200 bar	9 bar	W21,7x1/14" 'B'	14,0 kg
HQ022DR1	90 Nm ³ /h	200 bar	9 bar	W27x2 'A'	14,0 kg
HQ023DR1	90 Nm ³ /h	200 bar	9 bar	W30x1/14" 'A'	14,0 kg

Technical Images



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