

Pure gas devices

Semiautomatic HF manifold

Product description



Manifold, suitable for use with pure gases, with automatic switching and manual reset using the lever on the pressure regulator to restore priority of use of the source. If one of the two sources is discharged, the system is fed automatically from the other source. The module includes two HF-type single-pressure gauge pressure regulators made of CW614N chemically nickel-plated brass, one pressure gauge to show the line pressure, two high pressure shut-off valves and two bleed valves. Inlet connection is threaded G1/4" M R, outlet connection is G1/4" F R. Its maximum capacity at 10 bar outlet pressure is 24 Nm³/h, 400

NI/min. On request the pressure gauge at the pressure regulator's inlet can have electrical contacts to be connected to a central alarm unit to signal if the manifold is empty. For easy wall mounting, all components are installed on an anodized aluminum plate. A helium leak test at 10⁻⁴ mbar l/s can be carried out at the customer's request.

Normatives

UNI EN ISO 5171:2010 | UNI EN ISO 7291:2015 | UNI EN ISO 9001:2008

Components

- Two HF regulators with chemically nickel-plated CW614N brass body with adjustable calibration and stainless steel diaphragm. Adjustment knob, valve knobs and reversing lever made of ABS.
- Two overpressure discharge valves, built into the pressure regulators, pre-calibrated and with drain channel, G1/4" M R.
- Two high pressure shut-off valves with stainless steel diaphragm.
- Two manifold overpressure discharge valves with stainless steel diaphragm, G1/4" F R.
- Two high pressure gauges with range according to the gas used, class 2.5.
- One low pressure gauge with range according to the gas used, class 2.5.
- Two check valves on outlets of pressure regulators.
- Two anti-siphoning valves on inlets of high pressure shut-off valves.
- Stainless steel springs.
- Teflon sealing seat on regulator, nylon 6.6 valve seal seat.
- NBR o-ring.
- Anodized aluminum wall mount support.

Product codes

GAS	RANGE PRESSURE GAUGE	CODE
OXYGEN, COMPRESSED AIR, NITROGEN, ARGON, HELIUM, HYDROGEN, METHANE	0-315 bar / 0-16 bar	HQG001
ACETYLENE	0-40 bar / 0-2,5 bar	HQG001A
OXYGEN, COMPRESSED AIR, NITROGEN, ARGON, HELIUM, METHANE	0-315 bar / 0-16 bar contact type	HQG001B
PROPANE	0-16 bar / 0-2,5 bar	HQG001P

Technical data

CODE	Q max.	P ₁ max.	P ₂ max.	PRESSURE GAUGE RANGE	WIDTH	HEIGHT	DEPTH	WEIGHT
HQG001	24 Nm ³ /h	200 bar - 50 bar N ₂ O, CO ₂	10 bar	0-315 bar / 0-16 bar	470 mm	200 mm	170 mm	5,8 kg
HQG001A	4 Nm ³ /h	25 bar	1,2 bar	0-40 bar / 0-2,5 bar	470 mm	200 mm	170 mm	5,8 kg
HQG001B	24 Nm ³ /h	200 bar	10 bar	0-315 bar / 0-16 bar contact type	470 mm	200 mm	170 mm	5,8 kg
HQG001P	6 Nm ³ /h	15 bar	2 bar	0-16 bar / 0-2,5 bar	470 mm	200 mm	170 mm	5,8 kg

Technical Images

