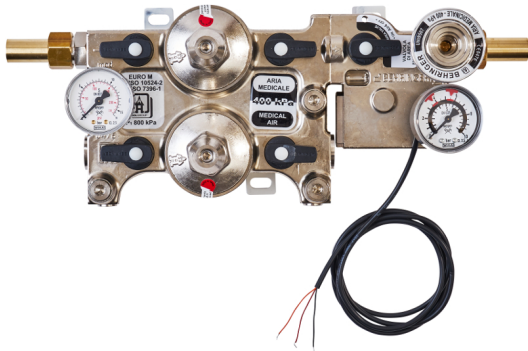


# Medical gas devices



## Second stage unit with built-in area valve

### Product description

The unit is made of two CW614N chemically nickel-plated brass castings, one casting for the regulator body, and the other casting for the zone shut-off valve. The regulator body has two decompression lines with two EURO regulators connected in by-pass through four ball valves, two on the inlet and two on the outlet of the same. A pressure gauge measures the system pressure upstream of the regulator. The area valve, on the regulator body outlet, has a ball valve on the inlet to shut off the gas and there is a fitting for a proximity sensor that reads the open/closed status of the valve, an emergency socket and a pressure

gauge with electrical contacts. All the valve seats and pressure gauges are fitted with check valves to prevent gas leaks when servicing. The inlet and outlet connections are made using a Ø16 mm weld-on pipe. The unit also has a block for physical disconnection. If the 2nd stage unit with built-in area valve is installed outside the ward in the filter room, it can act as a shut-off module and therefore satisfy the threefold function of a fire shut-off valve, regulator module and zone shut-off valve, meaning notable time savings when installing and less building work.

### Normatives

UNI EN ISO 10524-2:2006 | UNI EN ISO 7396-1:2013 | NF S 90-116 | UNI EN ISO 9001:2008 | UNI CEI EN ISO 14971:2012 | UNI 9507:2004 | UNI CEI EN ISO 13485:2004 | UNI EN ISO 15001:2012 | UNI EN ISO 18082:2015

### Components

- N. One regulator body made of cast CW614N chemically nickel-plated brass.
- N. One zone shut-off valve body made of cast CW614N chemically nickel-plated brass.
- N. One Ø16 mm weld-on pipe inlet connection.
- N. One Ø16 mm weld-on pipe outlet connection.
- N. One sintered bronze inlet filter.
- N. Two shut-off valves upstream of each regulator with check valves.
- N. Two shut-off valves downstream of each regulator with check valves.
- N. One zone shut-off ball valve with check valve.
- N. One emergency gas-specific socket.
- N. One block for physical disconnection.
- N. One pressure gauge to show system pressure, range 0-16 bar, class 2.5.
- N. One pressure gauge with contacts in shut-off valve, range 0-16 bar, with 3.8 bar and 5.6 bar threshold, class 2.5.
- Stainless steel springs.
- VITON or NBR membrane.
- VULKOLLAN regulator seat ring.

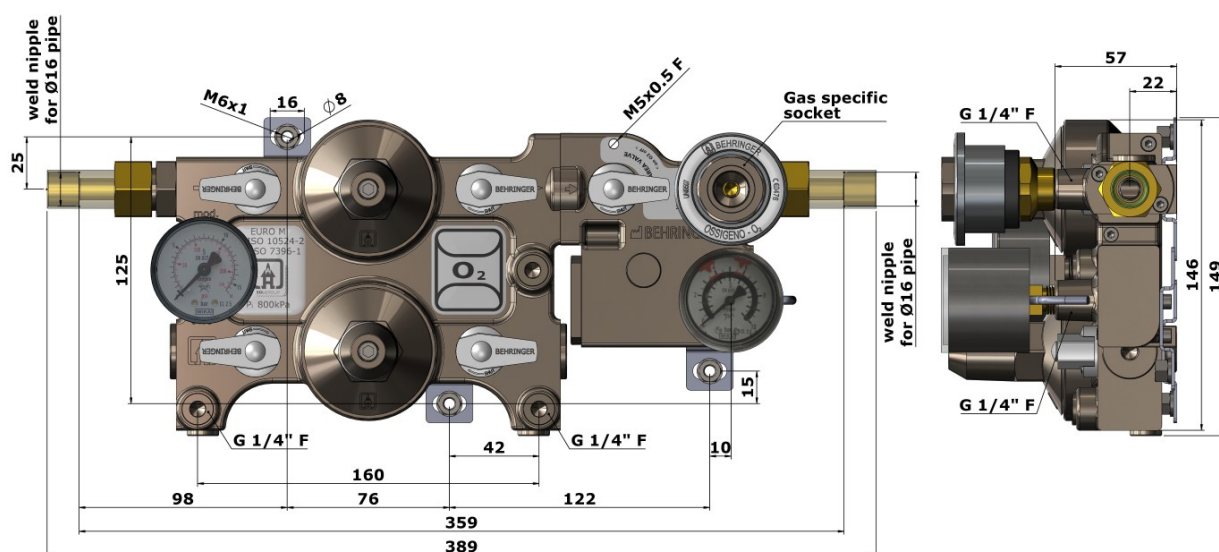
## Product codes

SOCKET	GAS	CODE	CATALOGUE NO.
AFNOR NF S 90-116	OXYGEN	HG080AFN	1244545/R
AFNOR NF S 90-116	NITROUS OXIDE	HG081AFN	1244778/R
AFNOR NF S 90-116	AIR 400	HG082AFN	1244781/R
NIST EN 739	AIR 800	HG083NST	1244784/R
AFNOR NF S 90-116	CARBON DIOXIDE	HG084AFN	1244786/R
AFNOR NF S 90-116	NITROGEN	HG085AFN	1244789/R

## Technical data

CODE	GAS	SOCKET	Ø INLET - OUTLET	Q <sub>max.</sub>	P <sub>1 max.</sub>	P <sub>2</sub>	WEIGHT
HG080AFN	OXYGEN	AFNOR NF S 90-116	16 mm - 16 mm	30 Nm <sup>3</sup> /h	10 bar	4,5 bar	6,0 kg
HG081AFN	NITROUS OXIDE	AFNOR NF S 90-116	16 mm - 16 mm	30 Nm <sup>3</sup> /h	10 bar	4,5 bar	6,0 kg
HG082AFN	AIR 400	AFNOR NF S 90-116	16 mm - 16 mm	30 Nm <sup>3</sup> /h	10 bar	4,5 bar	6,0 kg
HG083NST	AIR 800	NIST EN 739	16 mm - 16 mm	50 Nm <sup>3</sup> /h	10 bar	8 bar	6,0 kg
HG084AFN	CARBON DIOXIDE	AFNOR NF S 90-116	16 mm - 16 mm	30 Nm <sup>3</sup> /h	10 bar	4,5 bar	6,0 kg
HG085AFN	NITROGEN	AFNOR NF S 90-116	16 mm - 16 mm	30 Nm <sup>3</sup> /h	10 bar	4,5 bar	6,0 kg

## Technical Images



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