



MEDICAL CENTRAL GAS SUPPLY SYSTEM **PRESSURE WATCH** DN15, DN20

EDITION 1/2013

The Pressure Watch is monitoring and supervising the gas pressure in a clearly stated part of the Hospital Central Gas Supply System. It is fitted with quick couplings for emergency supply, gauges and pressure sensors.

To inform the hospital staff regarding gas failures the Pressure Watch is equipped with sensors for one of the following alarm systems:

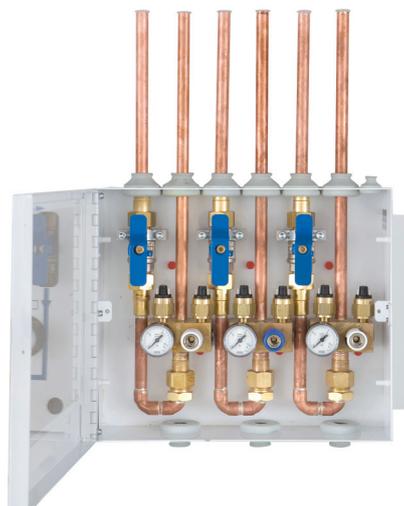
1. Pressure switches - Gas alarm C44
2. Pressure transmitters 0-50 mV - Gas alarm MC7701
3. Pressure transmitters 4-20 mA - hospital central computer system.

Alarm system 1 is the most commonly used.

The Pressure Watch is delivered with 300 mm connection tubes and each box has been test pressurized and controlled for tightness. The Pressure Watch has large ergonomical handles.

If mounted in a recessed way, the emergency shut-off valve box fits walls with 70 mm beam. With a 90 mm beam there is extra space (23,5 mm) behind the valve box usable for e.g. fire isolation. All models, also with four or five gases, fit between the beams in a CC-60 wall. The box is gas-tight which prevents gas accumulation inside the wall.

It is important that the boxes are placed so that they are easily available for authorized personnel. The front door shall be sealed. In order to avoid mistakes the boxes shall be clearly and distinctly marked with gas sort. A sign showing which section the box serves must be placed in its immediate vicinity. The valves are open when the handles are in vertical position in line with the printed marking on the plate. To close the valves you turn the handle 90 degrees clockwise.

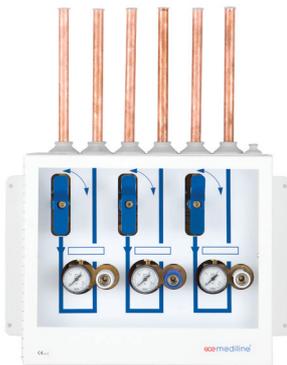


PRESSURE WATCH DN15, DN20

TECHNICAL DATA

Gases:	O ₂ ; N ₂ O; Air; Air-800 (I-Air); CO ₂ ; N ₂ ; VAC (all medical gases)
Number of gases:	(ø15×1) 1 to 5 valves (DN15); (ø22×1) 1 to 3 valves (DN20)
Working pressure:	10 bar (PN16)
Tube dimension:	ø15×1 mm; ø22×1 mm
Emergency QC inlets:	QC by national standards
Pressure gauges:	0 - 16 bar
Pressure sensors:	Pressure switches; Transmitters 0 - 50 mV (special order); 4 - 20 mA
Material:	Brass; Copper
Weight:	4 - 15 kg
Regulatory status:	Complies with Medical Devices Directive 93/42/EEC. Complies with EN ISO 7396-1 (Central Gas Supply System) and present SIS HB 370

PRESSURE WATCH DN15

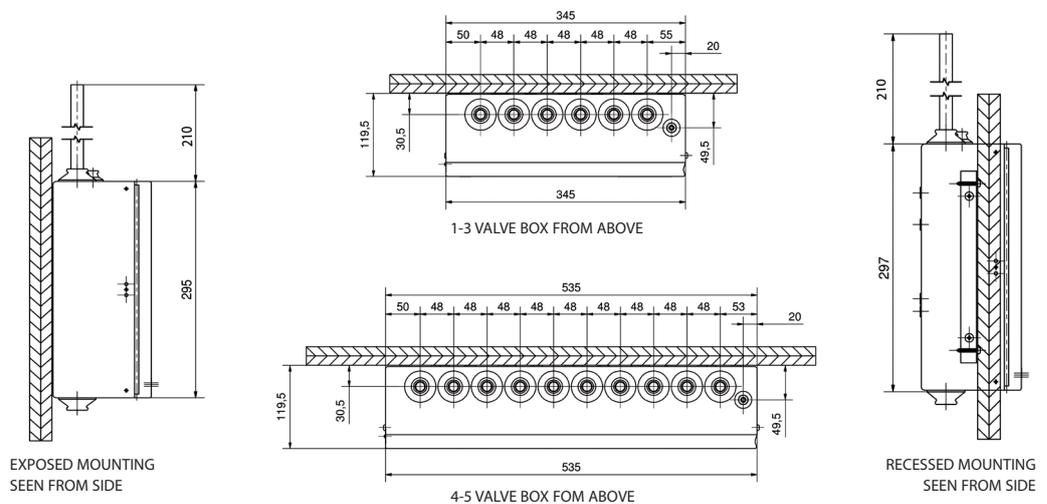


PRESSURE WATCH DN15 WITH PRESSURE SWITCHES

Art. Nr.	Valves	Gas	Inlet/Outlet pipe mm
325397726	1	O ₂	ø15
325397727	2	O ₂ , Air	ø15
325397728	3	O ₂ , N ₂ O, Air	ø15
0732824	3	O ₂ , Air, VAC	ø15
325397729	4	O ₂ , N ₂ O, Air, Air-800	ø15
0732825	4	O ₂ , N ₂ O, Air, VAC	ø15
325397730	5	O ₂ , N ₂ O, Air, Air-800, CO ₂	ø15

PRESSURE WATCH DN15 WITH TRANSMITTER 4-20 MA

Art. Nr.	Valves	Gas	Inlet/Outlet pipe mm
325397861	1	O ₂	ø15
325397862	2	O ₂ , Air	ø15
325397863	3	O ₂ , N ₂ O, Air	ø15
325397858	3	O ₂ , Air, VAC red	ø15
325397864	4	O ₂ , N ₂ O, Air, Air-800	ø15
325397865	5	O ₂ , N ₂ O, Air, Air-800, CO ₂	ø15



Note! Measurements in mm.

PRESSURE WATCH DN20



PRESSURE WATCH DN20 WITH PRESSURE SWITCHES

Art. Nr.	Valves	Gas	Inlet/Outlet pipe mm
0732802	2	O ₂ , Air	ø22
0732826	2	Air-800, N ₂ O	ø22
0732804	3	O ₂ , N ₂ O, Air	ø22
0732803	3	O ₂ , Air, Air-800	ø22
0732805	3	O ₂ , Air, VAC red	ø22

PRESSURE WATCH DN20 WITH TRANSMITTER 4-20 mA

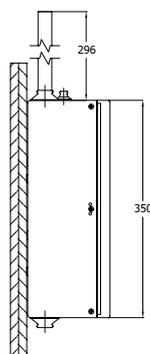
Art. Nr.	Valves	Gas	Inlet/Outlet pipe mm
0732806	2	O ₂ , Air	ø22
0732808	3	O ₂ , N ₂ O, Air	ø22
0732807	3	O ₂ , Air, Air - 800	ø22
0732809	3	O ₂ , Air, VAC red	ø22

PRESSURE WATCH DN20 EMERGENCY SOURCE WITH PRESSURE SWITCHES

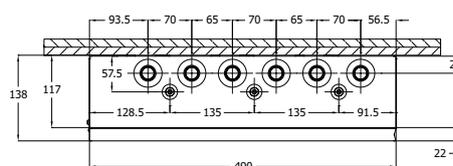
Art. Nr.	Valves	Gas	Inlet/Outlet pipe mm
0732810	2	O ₂ , Air	ø22
0732812	3	O ₂ , N ₂ O, Air	ø22
0732811	3	O ₂ , Air, Air - 800	ø22
0732813	3	O ₂ , Air, VAC red	ø22

PRESSURE WATCH DN20 EMERGENCY SOURCE WITH TRANSMITTER 4-20 mA

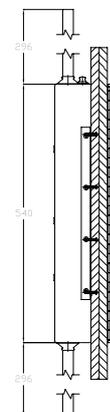
Art. Nr.	Valves	Gas	Inlet/Outlet pipe mm
0732814	2	O ₂ , Air	ø22
0732816	3	O ₂ , N ₂ O, Air	ø22
0732815	3	O ₂ , Air, Air - 800	ø22
0732817	3	O ₂ , Air, VAC red	ø22



EXPOSED MOUNTING WITHOUT EMERGENCY SOURCE SEEN FROM SIDE



2-3 VALVE BOX FOM ABOVE



RECESSED MOUNTING WITH EMERGENCY SOURCE SEEN FROM SIDE

Note! Measurements in mm.

GCE Group is one of the world's leading companies in the field of gas control equipment. The headquarters are in Malmö, Sweden, and the two major supply units are located in Europe and Asia.

The company operates 15 subsidiaries around the world and employs more than 850 people. GCE Group includes four business areas – Cutting & Welding, Process Applications, Medical and High Purity. Today's product portfolio corresponds to a large variety of applications, from single pressure regulators and blowpipes for cutting and welding to sophisticated gas supply systems for medical and electronics industry applications.



Gas Control Equipment

GCE world-wide: <http://www.gcegroup.com>