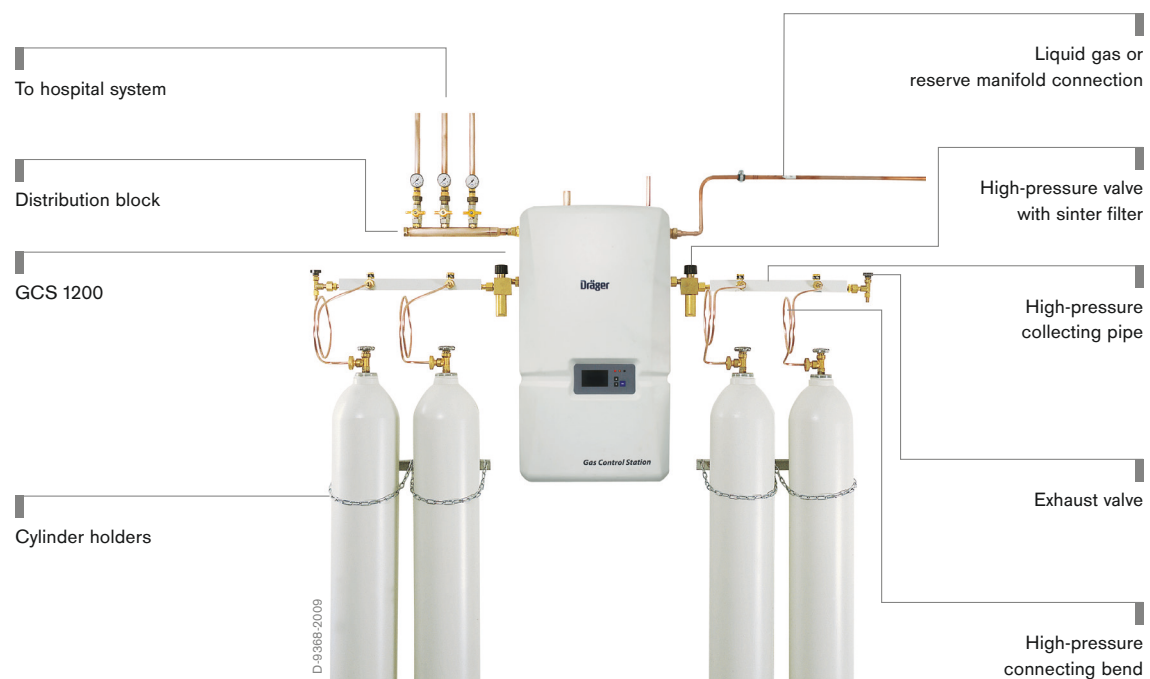


Cylinder manifolds Gas Management Systems

Cylinder manifolds are an important element of gas management in hospitals. They ensure the supply with medical gases and control the gas pressure. The core of the system is the Gas Control Station.



Benefits

Cylinder manifolds

The Gas Control Station (GCS) from Dräger is a complete facility system with solutions for various medical gases, flow rates, control and alarm functions and equipment.

- Suitable gases: O₂, N₂O, CO₂, Air, N₂, Xe, He and Ar
- Flow rates of 35, 80 oder 120 m³/h
- GCS Basic with pressure gauge monitoring
- GCS Control with electronic control unit
- Integrated Alarm Management
- Interface to external alarm systems (e.g. BMS)
- In accordance with DIN EN ISO 7396-1
- Upgradable platform concept

The Gas Control Station platform concept enables adaptation to the respective gas supply requirements in the hospital. In addition to the three different flow performance levels with 35, 80 or 120 m³/h, the control unit and the alarm system may be customized in different variations.

Upgrading from the performance level 80 to 120 m³/h or from Version GCS Basic to GCS control remains possible later on, even during active operation.

All components under the removable housing are easily accessible and designed so that all necessary service activities may be performed without interrupting the gas supply.

All GCS versions are pneumatically controlled. Thus even during a possible power failure, the gas supply remains ensured. The GCS Basic is equipped for monitoring the system pressures with contact manometers and the switch-over valve position can be queried via the potential free contacts.

The GCS control is equipped with an electronic control unit that monitors, analyzes and displays the active supply side, the system pressures, the current flow and even the room temperature in a lighted display and in plain text.

Alarms and operation messages are indicated on the control unit according to standard ISO 7396-1 with the respective alarm priority.

In addition, all messages and operational parameters may be transferred via an Alarm System Interface to the Dräger Alarm Management System. The information will then be displayed via separate light and text displays or the data is forwarded via a gateway to the existing building management system.

Technical Data

	GCS 1200 C	GCS 800 C	GCS 500 C	GCS 1201 C
Nominal flow rate	120 m ³ /h	80 m ³ /h	35 m ³ /h	120 m ³ /h
Max. supply pressure	200 bar	200 bar	200 bar	-
Liquid gas tank pressure	13.5 to 17 bar	13.5 to 17 bar	13.5 to 17 bar	-
Operating pressure	3.5 to 5.5 bar	3.5 to 5.5 bar	3.5 to 5.5 bar	max. 17 bar
Power supply	100 to 240 V/AC	100 to 240 V/AC	100 to 240 V/AC	100 to 240 V/AC
Monitoring unit	Control unit	Control unit	Control unit	Control unit
Potential-free contacts	Relay module	Relay module	Relay module	Relay module
Alarm interface	AMS	AMS	AMS	AMS
Dimensions (WxHxD)	550 x 1020 x 195	550 x 1020 x 195	550 x 1020 x 195	550 x 1020 x 195

	GCS 1200 B	GCS 800 B	GCS 500 B	
Nominal flow rate	120 m ³ /h	80 m ³ /h	35 m ³ /h	
Max. supply pressure	200 bar	200 bar	200 bar	
Liquid gas tank pressure	13.5 to 17 bar	13.5 to 17 bar	13.5 to 17 bar	
Operating pressure	4/5 bar	4/5 bar	4/5 bar	
Power supply	-	-	-	
Monitoring unit	Pressure gauge	Pressure gauge	Pressure gauge	
Potential-free contacts	Terminal block	Terminal block	Terminal block	
Alarm interface	-	-	-	
Dimensions (WxHxD)	550 x 1020 x 195	550 x 1020 x 195	550 x 1020 x 195	

Notes

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

Manufacturer:

Dräger Medical GmbH
Moislinger Allee 53-55
23558 Lübeck, Germany

As of August 2015

Dräger Medical GmbH changes
to Drägerwerk AG & Co. KGaA

REGION EUROPE CENTRAL AND EUROPE NORTH

Dräger Medical GmbH
Moislinger Allee 53-55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH

Dräger Médical S.A.S.
Parc de Haute Technologie
d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
d1mfr-contact@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Medical GmbH
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA / PACIFIC

Draeger Medical
South East Asia Pte Ltd.
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama Comercial
S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377 9100
Fax +507 377 9130
contactcsa@draeger.com

Locate your Regional
Sales Representative at:
www.draeger.com/contact



The quality management system at Dräger Medical GmbH is certified according to ISO 13485, ISO 9001 and Annex II.3 of Directive 93/42/EEC (Medical devices).