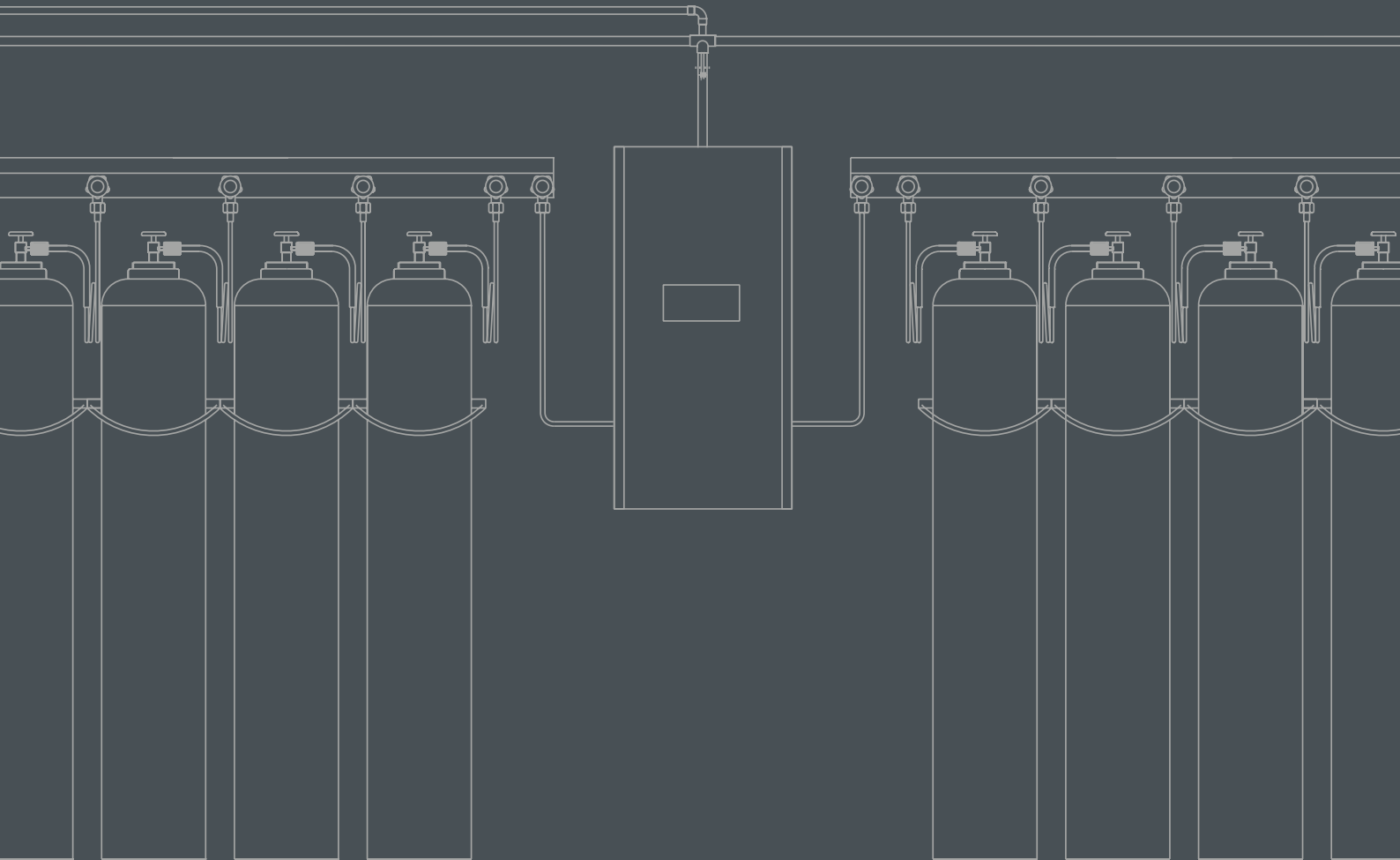


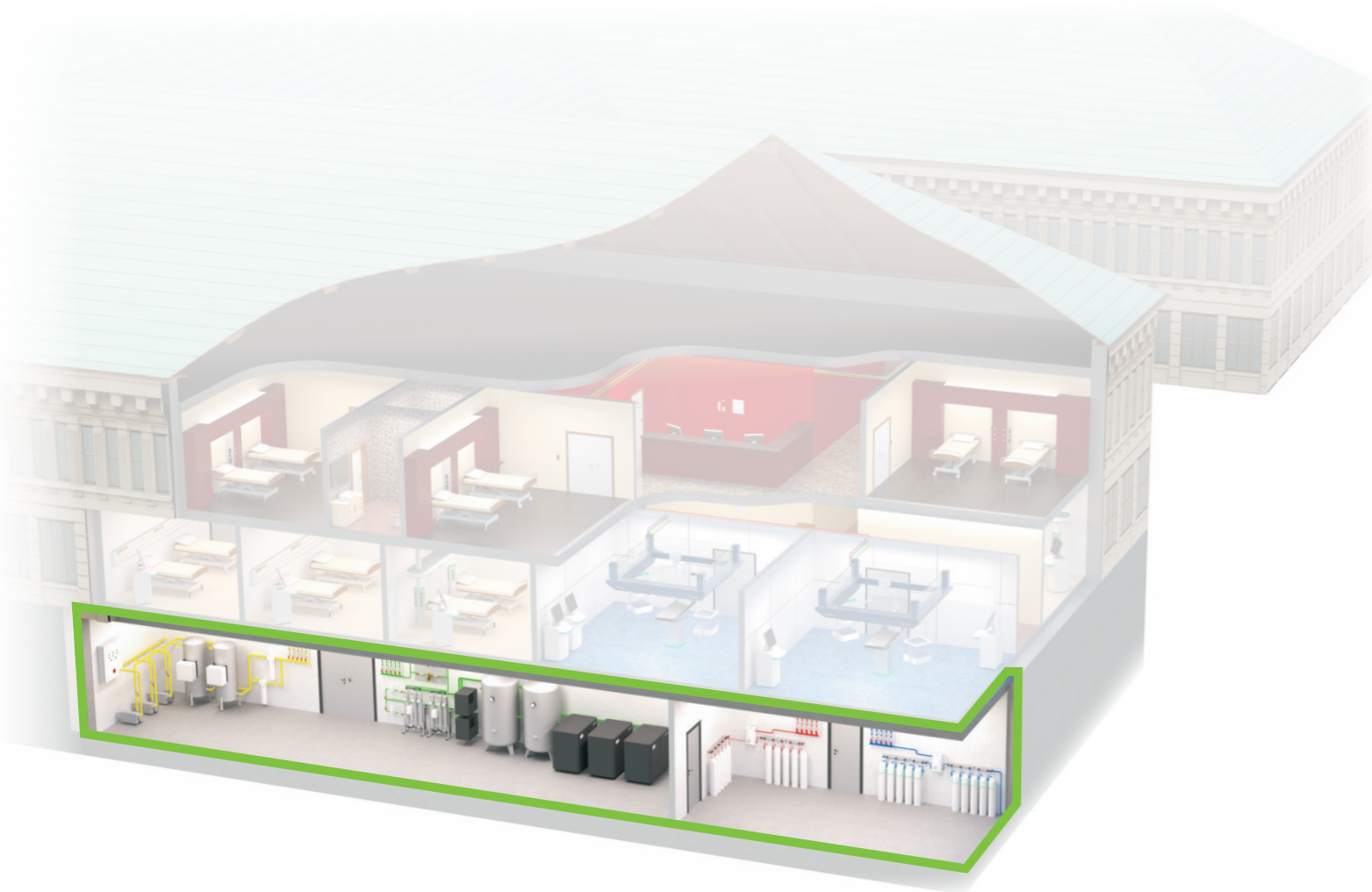
PRODUCT CATALOG
MEDICONTROL



Central gas supply

When handling compressed medical gases (e.g. oxygen, compressed air, nitrous oxide, carbon dioxide) caution and care are required. Specialists and reliable hardware are necessary for a gas supply system that serves for distribution in medical facilities.

The Greggersen switchover systems cover a wide spectrum of capacities and also ensure a high degree of operational safety and reliability.



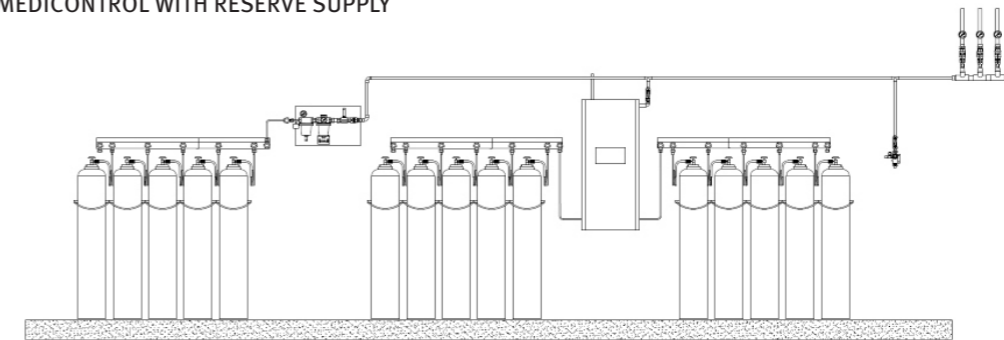
THE GREGGERSEN CEGA SYSTEM

- Each gas supply source is secured with its own pressure reducer.
- In the event of a power failure, the system still works via pressure control.
- Innovative control and display electronics ensure an optimum level of monitoring, information and security.

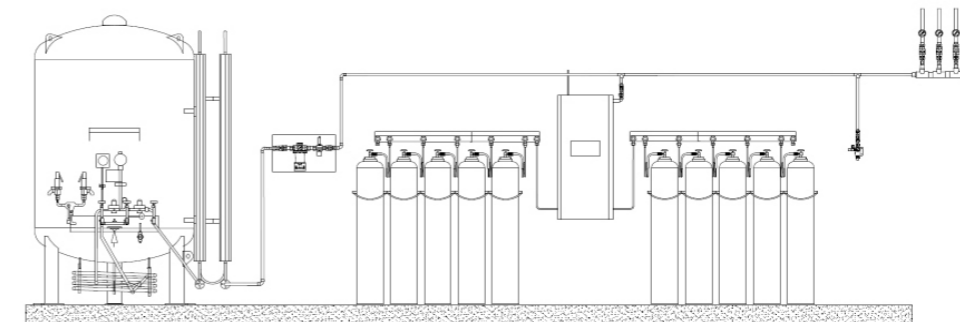
Overview

APPLICATION EXAMPLES

MEDICONTROL WITH RESERVE SUPPLY



MEDICONTROL WITH TANK SUPPLY



Electronically controlled switching system

MC 2025 / 2050 / 2100



USAGE

Our MediControl switch cabinet guarantees the continuous supply of medical gases according to DIN EN ISO 7396-1. The monitoring and control of up to three supply sources is supported by the Aeolus electronics. Extensive information is available on a large graphic display that shows both, the operating state and messages in plain text. Due to the design the supply is guaranteed even during maintenance. Compliance with the recognized rules of technology is just as important as a durable and reliable design of all individual parts.

High flexibility in system design: Whether the main supply is provided by a cryogenic container, or cylinder batteries as primary and secondary supply with additional reserve supply are connected - the MediControl can be adapted to the requirements.

DESIGN

- Microprocessor controlled gas supply system
- LCD display with information on the operating status and service messages in plain text
- Sensoric pressure monitoring
- 2-stage pressure reduction
- Pneumatic priority circuit in case of power supply failure

TECHNICAL DATA

Dimensions:	MC 2025: 380 x 840 x 300 mm (WxHxD) MC 2050: 480 x 1100 x 330 mm (WxHxD) MC 2100: 480 x 1100 x 330 mm (WxHxD)
Max. inlet pressure:	20.000 kPa
Output pressure:	100-800 kPa (500 kPa standard)
Output:	MC 2025: 25 m³/h MC 2050: 50 m³/h MC 2100: 100 m³/h
Input:	G 3/4"
Output:	copper pipe Ø 22 mm
Weight:	MC 2025: 35 kg MC 2050: 45 kg MC 2100: 48 kg
Operating temperature:	+10° to +40°C
Supply voltage:	100-240 V AC, 50-60 Hz

Pneumatically operated switching system

MC 2025P / HU 10

USAGE

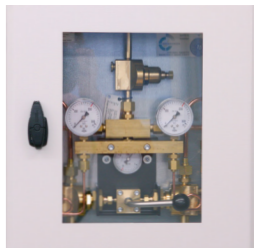
These purely pneumatic switch cabinets (acc. to DIN EN ISO 7396-1) are specially designed for smaller facilities. A pressure difference in the first stage ensures one source is emptied first before the second source is being used. Due to the design the supply is guaranteed even during maintenance (*). Thereby the compliance of the recognized rules of technology is just as important as a durable and reliable design of all individual parts.

DESIGN

- Pneumatically controlled gas supply system
- Pressure monitoring via contact switches [*]¹
- 2-stage pressure reduction

TECHNICAL DATA

Dimensions:	MC 2025P: 360 x 780 x 300 mm (WxHxD) HU 10: 330 x 480 x 300 mm (WxHxD)
Inlet pressure max:	20.000 kPa
Output pressure:	100-800 kPa (500 kPa standard)
Throughput:	HU 10: 10 m³/h MC 2025P: 25 m³/h
Input:	G 3/4"
Output:	copper pipe Ø 22 mm
Weight:	HU 10: 15 kg MC 2025P: 37 kg
Operating temperature:	+10° to +40° C



MC 2025P, pneumatic, 2 cylinder batteries	327.025
HU 10, pneumatically controlled switch cabinet	325.104

Operating signal

MONITORING OF INSTALLATIONS

USAGE

According to DIN EN ISO 7396-1, operating signals must be provided. The operating signal monitors the primary, secondary and reserve supply and reports the so-called Empty. At the same time, the distribution network pressure is monitored (operating emergency alarm).

DESIGN

- Optical display of the operational states in the supply centre
- Forwarding via potential-free contacts to the building/central control system

TECHNICAL DATA

Supply voltage:	100-240 V AC, 50-60 Hz
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Operating alarm unit (main warning) [*]²	903.682
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(*¹)Not with the HU10 (*²)For HU 10 only in the outflow (*³)Not compatible with HU 10

MC 2025E, electronic, 2 cylinder batteries	326.025
MC 2050E, electronic, 2 cylinder batteries	326.050
MC 2100E, electronic, 2 cylinder batteries	326.100
MC 2025R, electronic, 3 cylinder batteries	326.026
MC 2050R, electronic, 3 cylinder batteries	326.052
MC 2100R, electronic, 3 cylinder batteries	326.102
MC 2050T, electronic, 2 cylinder batteries, incl. tank panel	326.051
MC 2100T, electronic, 2 cylinder batteries, incl. tank panel	326.101
MC 2100T, electronic, 2 cylinder batteries, without tank panel	903.700

HP - header

1 - 10-FOLD

USAGE

For connecting gas cylinders to a cylinder bundle. Each individual connection is equipped with a check valve, so that a backflow is prevented. One main shut-off valve enables the separation from the supply.

All components are resistant to high pressure and thus withstand an operating pressure of 20.000 kPa (200 bar). The cylinders are connected to the header via our HP distribution bends.

DESIGN

- High pressure header 1 to 10-fold
- Individual valves at each port
- Main shut-off valve for the entire header with non-return valve
- Venting valve with soldering screw connection

TECHNICAL DATA

Max. inlet pressure: 20.000 kPa
 Operating temperature: +10° to +40°C
 Distance per bottle: 300 mm



HP - header, 1-fold	327.301
HP - header, 2-fold	900.522
HP - header, 3-fold	900.523
HP - header, 4-fold	900.524
HP - header, 5-fold	900.525
HP - header, 6-fold	900.526
HP - header, 7-fold	900.527
HP - header, 8-fold	900.528
HP - header, 9-fold	900.529
HP - header, 10-fold	900.530

HP - distribution bend

ACCESSORIES HEADER

USAGE

For the high pressure connection between cylinder valve and header. Version with compensation spiral, as hand connection or tool connection in single or double execution.

TECHNICAL DATA

Operating pressure max.: 20.000 kPa
 Input: G 3/4"
 Output: gas type specific



HP - distribution bend, hand connection, O ₂ , single (DIN EN 477-1)	325.414
HP - distribution bend, hand connection, O ₂ , double (DIN EN 477-1)	324.414
HP - distribution bend, hand connection, AIR, single (DIN EN 477-1)	325.524
HP - distribution bend, hand connection, AIR, double (DIN EN 477-1)	325.514
HP - distribution bend, hand connection, N ₂ O, single (DIN EN 477-1)	325.415
HP - distribution bend, hand connection, CO ₂ , single (DIN EN 477-1)	325.426
Other gases, connections and national standards	on request

HP - distribution pipe

ACCESSORIES HEADER

USAGE

To connect the manifold with the switch cabinet.

TECHNICAL DATA

Operating pressure max.: 20.000 kPa
 Input: G 3/4"
 Output: G 3/4"



HP - connecting pipe for 2 header units	327.304
HP - distribution pipe, header 1-fold with HU 10	325.732
HP - distribution pipe, header with HU 10 - right side	909.004
HP - distribution pipe, header with HU 10 - left side	909.005
HP - distribution pipe, header with MC 2025 E / P	324.015
HP - distribution pipe, header with MC 2025 E / P - right side	909.000
HP - distribution pipe, header with MC 2025 E / P - left side	909.001
HP - distribution pipe, header with MC 2100/2050 - right side	909.002
HP - distribution pipe, header with MC 2100/2050 - left side	909.003
HP - distribution pipe, header 1-fold with reserve panel	324.018
HP - distribution pipe, header with reserve panel	324.013

Pressure reducer panel tank supply

SINGLE - / DOUBLE PRESSURE REDUCER PANEL

USAGE

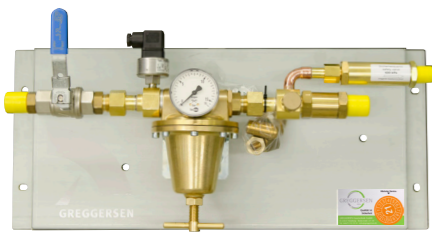
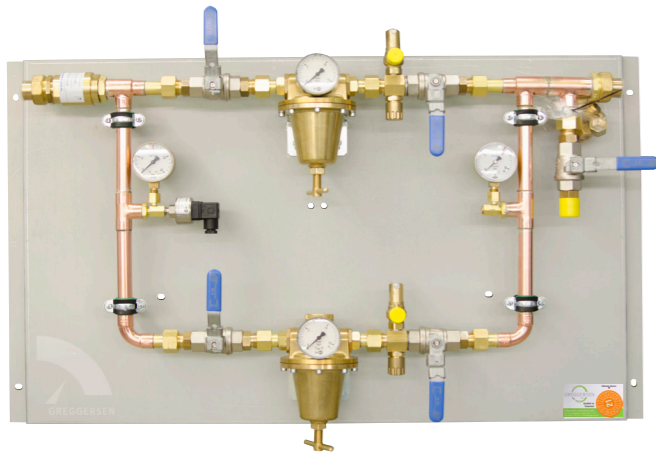
The tank supply (cryogenic liquid gas system) is the first source to be permanently connected to the central gas supply system.

DESIGN

- Main shut-off valve in the inlet
- Safety valve and pressure gauge for mains pressure indication
- Emergency feed point (NIST)
- Completely mounted on a mounting plate

TECHNICAL DATA

Dimensions (single):	515 x 260 x 200 mm (WxHxD)
Dimensions (double):	920 x 600 x 200 mm (WxHxD)
Inlet pressure:	1.600 kPa
Output pressure:	100-800 kPa (500 kPa standard)
Capacity:	150 m ³ /h
Weight (single):	10 kg
Weight (double):	25 kg
Input:	G3/4" with solder connection on 22mm
Output:	G3/4" with solder connection on 22mm



Pressure reducer panel reserve supply

SIZE.1 / SIZE.2

USAGE

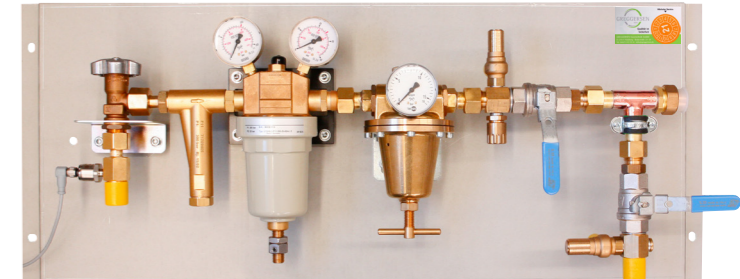
The reserve supply is permanently connected as a third source to the central gas supply system.

DESIGN

- High pressure range monitoring by pressure sensor
- Main shut-off valve in the inlet for disconnecting the reserve supply
- Constant outlet pressure through two-stage pressure reduction
- Safety valve and pressure gauge for pressure indication
- Emergency feed point (NIST)
- Completely mounted on a mounting plate

TECHNICAL DATA

Dimensions size 1:	515 x 260 x 200 mm (WxHxD)
Dimensions size 2:	880 x 380 x 300 mm (WxHxD)
Max. inlet pressure:	20.000 kPa
Output pressure:	100-800 kPa (500 kPa standard)
Capacity size 1:	50 m ³ /h
Capacity size 2:	150 m ³ /h
Weight Gr.1:	10 kg
Weight Gr.2:	25 kg
Input:	G 3/4 "
Outlet size 1:	1/2 " on copper pipe Ø 15 mm
Outlet size 2:	1/2 " on copper pipe Ø 22 mm

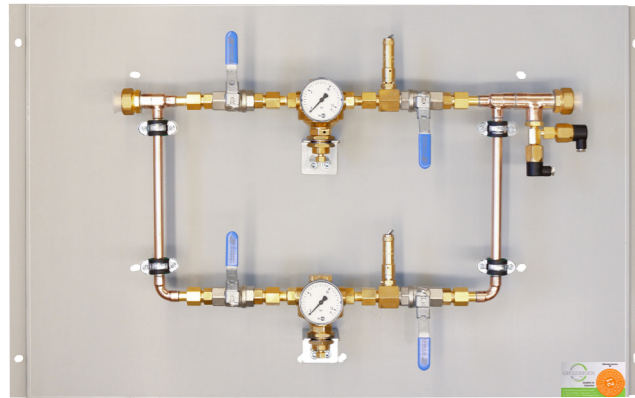


Single - pressure reducer panel for tank supply, with sensor	327.800
Double - pressure reducer panel for tank supply, with sensor	505.359

Pressure reducer panel for reserve supply size 1, 50 m ³ /h, with sensor	327.900
Pressure reducer panel for reserve supply size 2, 150 m ³ /h, with sensor	505.367

Pressure reducer panel compressed air

SIZE 1 / SIZE 2



USAGE

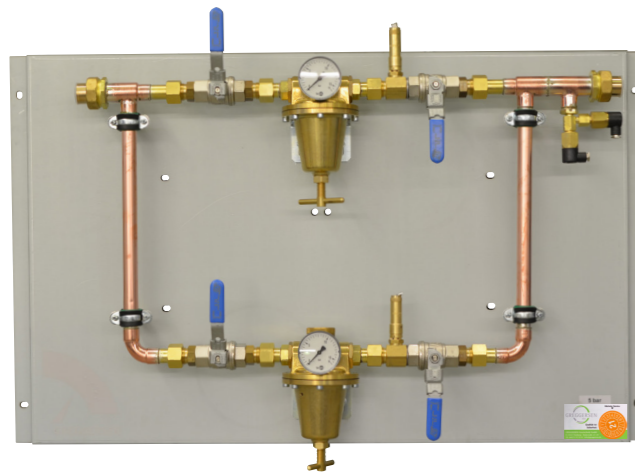
To reduce the pressure from 10 - 16 bar to the desired pressure of 5 or 8 bar.

DESIGN

- Pressure monitoring by contact switch
- Safety valve and pressure gauge for mains pressure indication
- Redundant execution
- Completely mounted on mounting plate

TECHNICAL DATA

Dimensions:	880 x 500 x 200 mm (WxHxD)
Inlet pressure max:	1.600 kPa
Outlet pressure:	100-800 kPa
Capacity size 1:	50 m ³ /h
Capacity size 2:	300 m ³ /h
Inlet / outlet size 1:	Soldering screw connection Ø 22 mm
Inlet / outlet size 2:	Soldering screw connection Ø 28 mm
Weight Gr.1:	12 kg
Weight Gr.2:	22 kg



Filter unit

COMPRESSED AIR / VACUUM

USAGE

To protect the AIR vessel and pumps from Contamination with microorganisms and particles.

DESIGN

- Prefilter
- Activated carbon filter
- Bacteria filter

TECHNICAL DATA

Dimensions size 1:	1310 x 465 x 140 mm (WxHxD)
Dimensions size 2:	1310 x 510 x 140 mm (WxHxD)
Max. inlet pressure:	1.600 kPa
Capacity size 1:	50 m ³ /h
Capacity size 2:	100 m ³ /h
Inlet / outlet size 1:	CU pipe Ø 22 mm
Inlet / outlet size 2:	CU pipe Ø 22 mm
Weight Gr.1:	12 kg
Weight Gr.2:	16 kg

Filter panel size 1 / 50 m ³ /h compressed air	903.520
Filter panel size 2 / 100 m ³ /h compressed air	903.521



USAGE

To protect the vacuum vessel and pumps from contamination with microorganisms and particles.

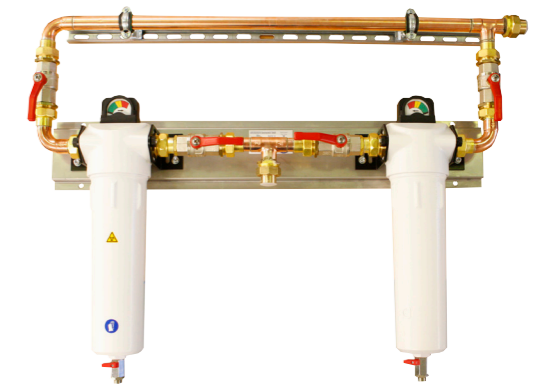
DESIGN

- Bacteria filter

TECHNICAL DATA

Dimensions size 1:	1165 x 720 x 155 mm (WxHxD)
Dimensions size 2:	1190 x 810 x 155 mm (WxHxD)
Capacity size 1:	65 m ³ /h
Capacity size 2:	160 m ³ /h
Inlet / outlet size 1:	CU pipe . 28 mm
Inlet / outlet size 2:	CU pipe . 35 mm
Weight Gr.1:	16 kg
Weight Gr.2:	24 kg

Filter panel size 1 / 25 - 63 m ³ /h vacuum	903.510
Filter panel size 2 / 70 - 160 m ³ /h vacuum	903.511

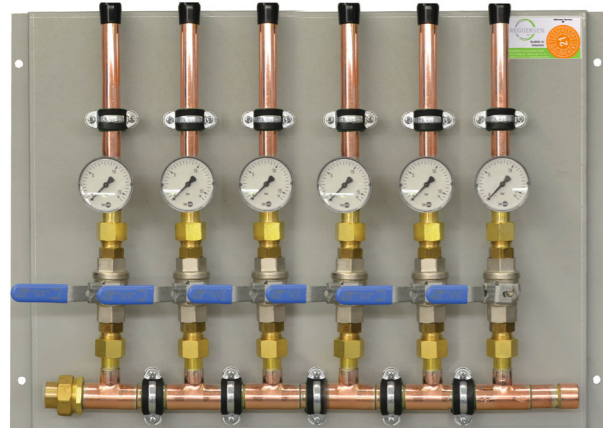


Pressure reducing panel for compressed air systems, size 1 / 50 m ³ /h (5 bar)	325.810
Pressure reducing panel for compressed air systems, size 2 / 300 m ³ /h (5 bar)	325.815
Pressure reducing panel for compressed air systems, size 1 / 50 m ³ /h (8 bar)	325.812
Pressure reducing panel for compressed air systems, size 2 / 300 m ³ /h (8 bar)	325.818

Filter panel size 1 / 25 - 63 m ³ /h vacuum	903.510
Filter panel size 2 / 70 - 160 m ³ /h vacuum	903.511

Distribution block

2 - 6-FOLD



USAGE

For the supply of up to six different areas from the control room to the periphery (e.g. riser pipe or house distribution board).

DESIGN

- Shut-off valve and pressure gauge
- Completely mounted on mounting plate

TECHNICAL DATA

Inlet size 1:	copper pipe 22 mm
Outlet size 1:	copper pipe 15 mm
Inlet size 2:	copper pipe 28 mm
Outlet size 2:	copper pipe 22 mm
Inlet size 3:	copper pipe 35 mm
Outlet size 3:	copper pipe 28 mm

DISTRIBUTION BLOCK SIZE 1

Distribution block 2-fold (please indicate gas type!)	324.002
Distribution block 3-fold (please indicate gas type!)	324.003
Distribution block 4-fold (please indicate gas type!)	324.104
Distribution block 5-fold (please indicate gas type!)	324.105
Distribution block 6-fold (please indicate gas type!)	324.106

DISTRIBUTION BLOCK SIZE 2

Distribution block 2-fold (please indicate gas type!)	324.006
Distribution block 3-fold (please indicate gas type!)	324.007
Distribution block 4-fold (please indicate gas type!)	324.107
Distribution block 5-fold (please indicate gas type!)	324.108
Distribution block 6-fold (please indicate gas type!)	324.109

DISTRIBUTION BLOCK SIZE 3

Distribution block 2-fold (please indicate gas type!)	324.008
Distribution block 3-fold (please indicate gas type!)	324.009
Distribution block 4-fold (please indicate gas type!)	324.110
Distribution block 5-fold (please indicate gas type!)	324.111
Distribution block 6-fold (please indicate gas type!)	324.112

Secrete collection unit

VACUUM SYSTEM PROTECTION

USAGE

To protect the vacuum system from contamination (e.g. secretion) that have accidentally entered the pipe system.

DESIGN

Pre-assembled unit for wall mounting with quick-action clamping device for holding the secretion jar, 2 ball valves for inlet and outlet, ventilation valve, 5 L septic fluid glass and vacuum gauge 0 to -1 bar.



TECHNICAL DATA

Dimensions:	570 x 360 x 70 mm (WxHxD)
Tank volume:	5 L
Inlet:	Soldering screw connection Ø 35 mm
Output:	Soldering screw connection Ø 35 mm
Weight:	7,5 kg

secrete collection unit

903.500

Small lab unit

INDUSTRIAL GAS / GAS PURITY UP TO 5.0

USAGE

For stationary gas supply of laboratories, small areas with the possibility of connecting a cylinder and much more.

DESIGN

- Distribution bend
- Check valve
- Mounting bracket
- HP - shut-off valve
- Pressure reducer

TECHNICAL DATA

Dimensions:	200 x 500 x 100 mm (WxHxD)
Max. inlet pressure:	20.000 kPa
Capacity:	50 m ³ /h
Input:	gas type specific
Output:	Soldering screw connection Ø 15 mm
Weight:	5 kg

Small lab unit for local gas supply

325.050



Ball valves

MEDICAL BALL VALVES

USAGE

Shut-off units are widely used in medical pipelines. Everywhere the piping system needs to be disconnected (maintenance, repair or future extensions), a shut-off valve should be set.

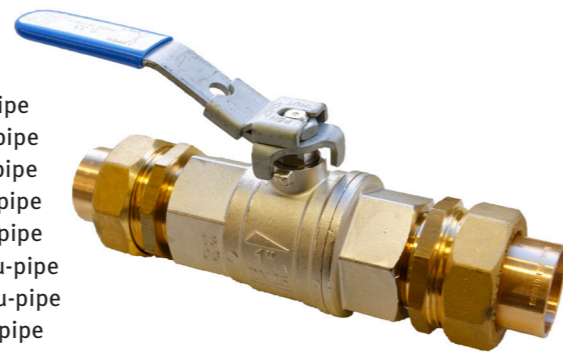
The ball valve type 33 can be used for all medical gases. The wing handle clearly shows the open or closed position. The wing handle can be locked in its position so that an inadvertent opening or closing is impossible.

DESIGN

- Nickel-plated brass casing with chrome-plated ball
- Ball sealing
- Steel handle with plastic coating
- Lockable hand lever
- Oil- and grease-free design

TECHNICAL DATA

DN 6 - LW 8 / PN 65 - G 1/4 "	for 8 x 1 mm Cu-pipe
DN 10 / PN 65 - G 3/8 "	for 12 x 1 mm Cu-pipe
DN 15 / PN 65 - G 1/2 "	for 15 x 1 mm Cu-pipe
DN 20 / PN 40 - G 3/4 "	for 22 x 1 mm Cu-pipe
DN 25 / PN 40 - G 1 "	for 28 x 1 mm Cu-pipe
DN 32 / PN 30 - G 1 1/4 "	for 35 x 1.5 mm Cu-pipe
DN 40 / PN 30 - G 1 1/2 "	for 42 x 1.5 mm Cu-pipe
DN 50 / PN 30 - G 2 "	for 54 x 2 mm Cu-pipe



BALL VALVES WITH SOLDER CONNECTION

Ms ball valve type 33, 1/4"- DN 6 - 8 x 1 with solder connection	328.969
Ms ball valve type 33, 3/8"- DN 10 - 12 x 1 with solder connection	328.970
Ms ball valve type 33, 1/2"- DN 15 - 15 x 1 with solder connection	328.971
Ms ball valve type 33, 3/4"- DN 20 - 22 x 1 with solder connection	328.972
Ms ball valve type 33, 1"- DN 25 - 28 x 1.5 with solder connection	328.973
Ms ball valve type 33, 1 1/4"- DN 32 - 35 x 1.5 with solder connection	328.974
Ms ball valve type 33, 1 1/2"- DN 40 - 42 x 1.5 with solder connection	328.975
Ms ball valve type 33, 2"- DN 50 - 54 x 2 with solder connection	328.976

BALL VALVES WITHOUT SCREW CONNECTION

Ms ball valve type 33, 1/4"- DN 6 - 8 x 1 without screw connection	102.305
Ms ball valve type 33, 3/8"- DN 10 - 12 x 1 without screw connection	102.395
Ms ball valve type 33, 1/2"- DN 15 - 15 x 1 without screw connection	102.414
Ms ball valve type 33, 3/4"- DN 20 - 22 x 1 without screw connection	102.145
Ms ball valve type 33, 1"- DN 25 - 28 x 1.5 without screw connection	102.416
Ms ball valve type 33, 1 1/4"- DN 32 - 35 x 1.5 without screw connection	102.377
Ms ball valve type 33, 1 1/2"- DN 40 - 42 x 1.5 without screw connection	102.417
Ms ball valve type 33, 2"- DN 50 - 54 x 2 without screw connection	102.426

Service portfolio

GREGGERSEN AT A GLANCE

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