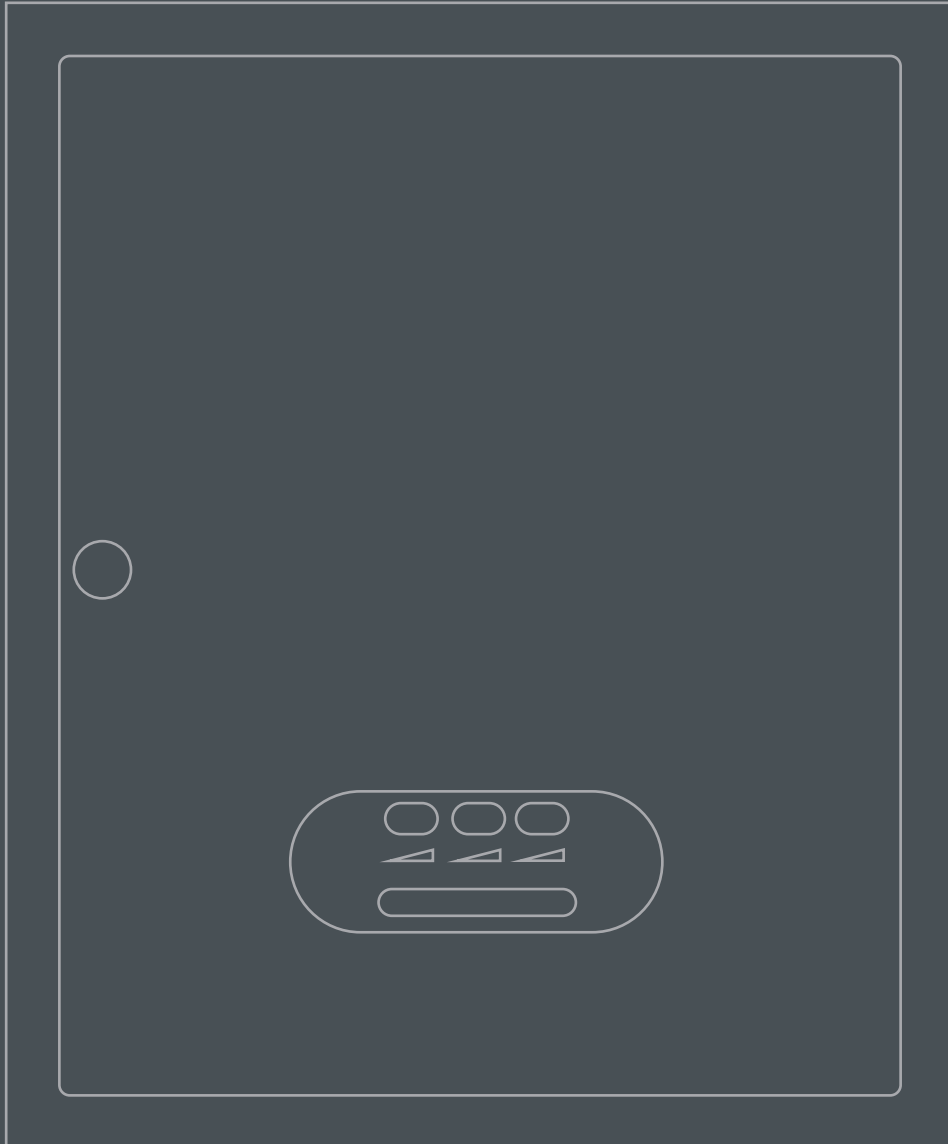


PRODUCT CATALOG

# VENTUS

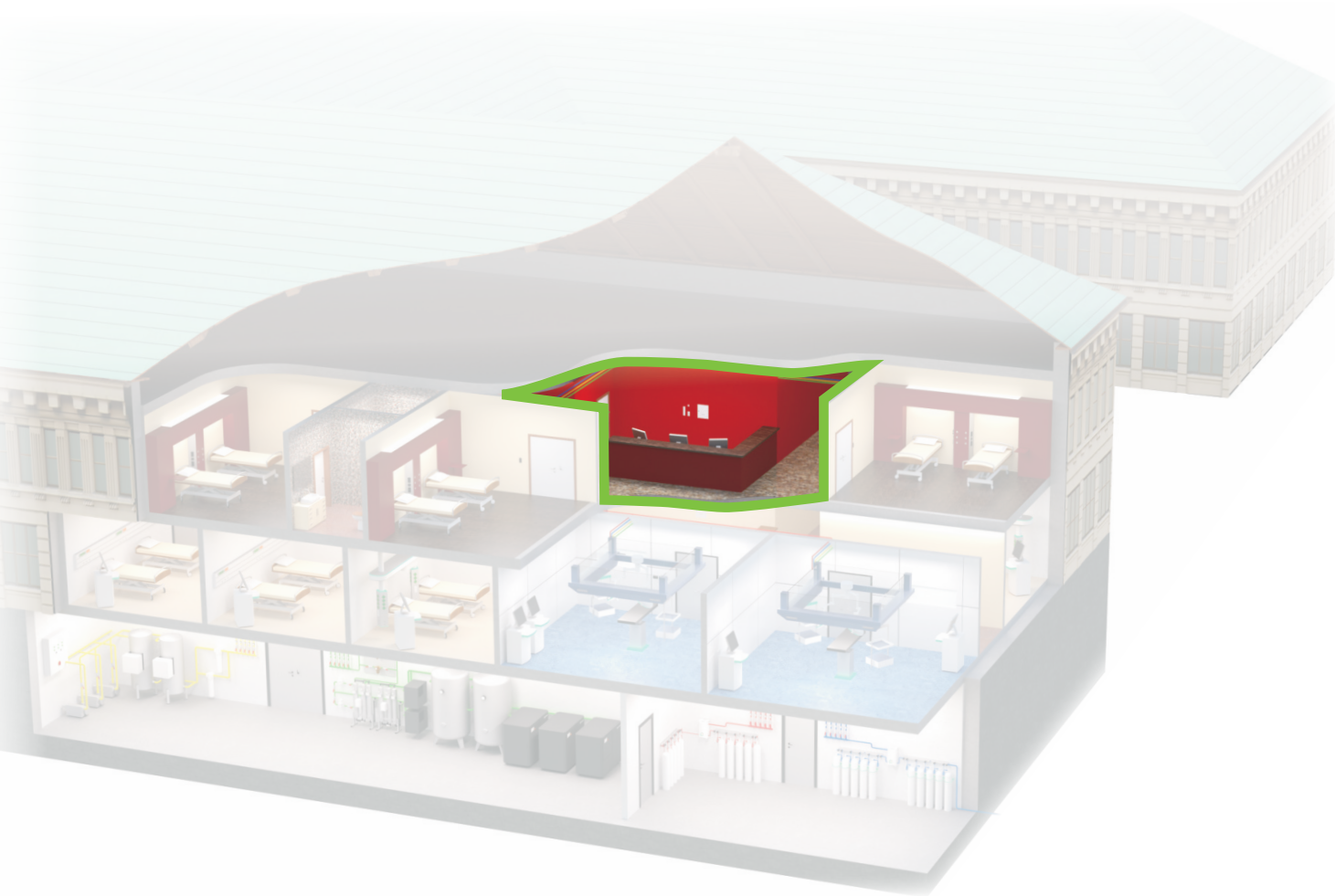


## Ventus shut-off valve systems

### INTRODUCTION

According to DIN EN ISO 7396-1, so-called area shut-off valves must be provided before each functional area (e.g. operating theatres, intensive care areas & bed wards). The area shut-off valves must be installed in boxes with fixed covers or doors. In addition to the shut-off valves, such a box must also contain a physical separation point and an emergency feed point. The cover / door must be locked when closed, but must be quickly accessible in case of emergency (emergency opening). All these requirements are met by our shut-off box Ventus.

Furthermore, emergency operation alarms are integrated in Ventus. The pressure is continuously monitored via pressure sensors. The electronics permanently check the measured value, compare it with the configured alarm limits and signal both optically and acoustically if the pressure limits are exceeded or not reached (clinical emergency alarm).



## Ventus shut-off valve systems

### INFORMATION

#### ELECTRONICS DESIGN

High security through redundant microprocessors.

Clinical operating alarm: Visual (red and green LEDs) and audible signal when pressure is too high or too low (according to DIN EN: ISO 7396-1).

Reset button for alarm suppression or confirmation (time-dependent alarm repetition every 12 minutes).

Alarm messages can be transmitted to other locations via potential-free contacts.

Possibility to retrofit additional electronics and valve units.

Interface for maintenance / service on the electronics.

Display field for the media name.

#### HARDWARE DESIGN

For each gas type the shut-off unit consists of the following components:

- Zone shut-off valve and pressure gauge
- Physical separation of the pipe system
- Emergency intake via NIST coupling (not for VAC)
- Pressure sensor



## Ventus 22

1 TO 6 VALVES

Shut-off box with integrated alarms for 1-3 or 1-6 media. According to DIN EN ISO 7396-1 or HTM 02-01, for shutting off individual stations or functional areas of the central gas supply system. The Ventus is protected against unauthorized opening by an electronically monitored door. It is suitable for under plaster mounting, mounting in dry walls or surface mounting. The rear part is made of galvanized sheet steel. The window allows a quick reading of the manometer and valve positions in closed condition.



### DESIGN

The valve unit consists of the following components:

- Medical ball valve DN 20 and pressure gauge
- Physical separation of the pipe system
- Emergency feed possibility via NIST coupling
- Pressure sensor

### TECHNICAL DATA

Front frame (1-3 fold):	390 x 530 x 16 mm (WxHxD)
Base frame (1-3 fold):	330 x 470 x 77 mm (WxHxD)
Front frame (4-6 fold):	630 x 530 x 16 mm (WxHxD)
Base frame (4-6 fold):	570 x 470 x 77 mm (WxHxD)
Compressed gases connection:	22 mm CU-pipe
Vacuum connection:	22 mm
Max. pressure for gases:	0 to 10 bar
Max. pressure for vacuum:	-1 to 0 bar
Pressure gauges:	50 mm ø D.
Pressure sensor:	4-20 mA / +12-24 V AC/DC
Color standard:	RAL 9016 fine structure



## Ventus basic

1 TO 6 VALVES

Shut-off box with integrated alarms for 1-3 or 1-6 media. According to DIN EN ISO 7396-1, for shutting off individual stations or functional areas of the central gas supply system. The Ventus is protected against unauthorized opening by an electronically monitored door. It is suitable for under plaster mounting, mounting in dry walls or surface mounting. The rear part is made of galvanized sheet steel.

### DESIGN

The valve unit consists of the following components:

- Medical ball valve DN 20 and pressure gauge
- Physical separation of the pipe system
- Emergency feed possibility via NIST coupling
- Pressure sensor

### TECHNICAL DATA

Front frame (1-3 fold):	390 x 530 x 16 mm (WxHxD)
Base frame (1-3 fold):	330 x 470 x 77 mm (WxHxD)
Front frame (4-6 fold):	630 x 530 x 16 mm (WxHxD)
Base frame (4-6 fold):	570 x 470 x 77 mm (WxHxD)
Compressed gases connection:	15 mm CU-pipe
Vacuum connection:	15 mm CU-pipe
Max. pressure for gases:	0 to 10 bar
Max. pressure for vacuum:	-1 to 0 bar
Pressure gauges:	50 mm ø D.
Pressure sensor:	4-20 mA / +12-24 V AC/DC
Color standard:	RAL 9016 fine structure



### VENTUS 22 REAR + FRONT PART INCL. ALARM UNIT

Ventus 22mm 1-fold, under plaster	900.877
Ventus 22mm 2-fold, under plaster	900.878
Ventus 22mm 3-fold, under plaster	900.879
Ventus 22mm 4-fold, under plaster	900.880
Ventus 22mm 5-fold, under plaster	900.881
Ventus 22mm 6-fold, under plaster	900.882

### VENTUS 22 VALVE INSERTS (NECESSARY ACCESSORY)

O2 valve insert DIN EN ISO 7396-1	900.780	O2 valve insert BS (HTM 02-01) 2x NIST	900.790
AIR valve insert DIN EN ISO 7396-1	900.781	AIR valve insert BS (HTM 02-01) 2x NIST	900.791
VAC valve insert DIN EN ISO 7396-1	900.782	VAC valve insert BS (HTM 02-01) 2x NIST	900.792
N2O valve insert DIN EN ISO 7396-1	900.783	N2O valve insert BS (HTM 02-01) 2x NIST	900.793
CO2 valve insert DIN EN ISO 7396-1	900.785	CO2 valve insert BS (HTM 02-01) 2x NIST	900.795
SG valve insert DIN EN ISO 7396-1	900.786	AIR 800 valve BS insert (HTM 02-01) 2x NIST	900.797
AIR 800 insert valve DIN EN ISO 7396-1	900.787	N2 valve BS insert (HTM 02-01) 2x NIST	900.799
N2 valve insert DIN EN ISO 7396-1	900.789		
VAC valve insert with sniffing pipe	900.876		

### VENTUS BASIC FRONT PART INCL. ALARM UNIT

Ventus basic 1-fold	900.806
Ventus basic 2-fold	900.807
Ventus basic 3-fold	900.808
Ventus basic 4-fold	900.809
Ventus basic 5-fold	900.810
Ventus basic 6-fold	900.811

### VENTUS BASIC UNDER PLASTER MOUNTING

Ventus basic 1-fold, under plaster	900.800
Ventus basic 2-fold, under plaster	900.801
Ventus basic 3-fold, under plaster	900.802
Ventus basic 4-fold, under plaster	900.803
Ventus basic 5-fold, under plaster	900.804
Ventus basic 6-fold, under plaster	900.805

### FRAMES ON PLASTER MOUNTING

Ventus basic on plaster frame 1 to 3 valve inserts	900.831
Ventus basic on plaster frame 4 to 6 valve inserts	900.832



## Ventus shut-off valve systems

ACCESSORIES

### SECTION ALARM UNIT

To forward the alarm messages of the Ventus area shut-off (e.g. nurses' room, OR)



### UNDER PLASTER MOUNTING

Section alarm unit 1 gas, under plaster	900.841
Section alarm unit 2 gases, under plaster	900.842
Section alarm unit 3 gases, under plaster	900.843
Section alarm unit 4 gases, under plaster	900.844
Section alarm unit 5 gases, under plaster	900.845
Section alarm unit 6 gases, under plaster	900.846

### ON PLASTER MOUNTING

Section alarm unit 1 gas, on plaster	900.835
Section alarm unit 2 gases, on plaster	900.836
Section alarm unit 3 gases, on plaster	900.837
Section alarm unit 4 gases, on plaster	900.838
Section alarm unit 5 gases, on plaster	900.839
Section alarm unit 6 gases, on plaster	900.840

### SEALED EMERGENCY OPENING

The Ventus emergency seal immediately shows unauthorized opening of the Ventus.



Sealed emergency opening for Ventus	900.854
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### SAFETY LOCK

The Ventus can be equipped with a lock on request. The emergency opening option is of course retained in this case.



Safety lock for Ventus incl. 2 keys	900.856
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## Service portfolio

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