

# MULTIPORT™ TERMINAL UNITS

## MEDICAL GAS OUTLETS & PROBES

Quick-connection medical gas outlets for operative connection of the medical equipment to medical gas supply systems

### TECHNICAL DATA

- Maximum inlet pressure to 10 bar
- Vacuum rarefaction to -0.9 bar
- Pressure decrease at the flow 60 l/min is less than 0.15 bar
- Colour marking according EN ISO 9170-1
- Complies with standard DIN 13260-2
- Dimensions: height 65 mm, diameter 48 mm



### FEATURES

- **Two fixed connection positions**
  - working (gas slot open)
  - stand by (gas slot closed)
- **Two gas closing valves:**
  - working
  - maintenance
- **Mechanical purifying filter**
- **Socket coding to the base block** in order to protect from wrong connection with other type medical gases
- **Simple and fast socket separation** from base block

### MODELS

- **O<sub>2</sub>:** M-TD1 for copper pipes  
M-TD2 for flexible hoses
- **AIR:** M-TO1 for copper pipes  
M-TO2 for flexible hoses
- **N<sub>2</sub>O:** M-TA1 for copper pipes  
M-TA2 for flexible hoses
- **CO<sub>2</sub>:** M-TB1 for copper pipes  
M-TB2 for flexible hoses
- **VAC:** M-TV1 for copper pipes  
M-TV2 for flexible hoses

## TYPE OF INSTALLATION OF MEDICAL GAS OUTLETS



Installation of outlets with two screws to the plate when the distance between the valve installation and the panel is 60 mm



Installation of outlets to rails in various profiles when the distance between valve installation and panel is 88 mm



Various individual Installation options for special requests. Installation in profiles of ward bedside consoles.



### MEDICAL GAS PROBES

- With non-return valves for flexible hoses and 360° rotation:

O<sub>2</sub>  
AIR  
N<sub>2</sub>O  
CO<sub>2</sub>

- For direct connection of oxygen humidifier:

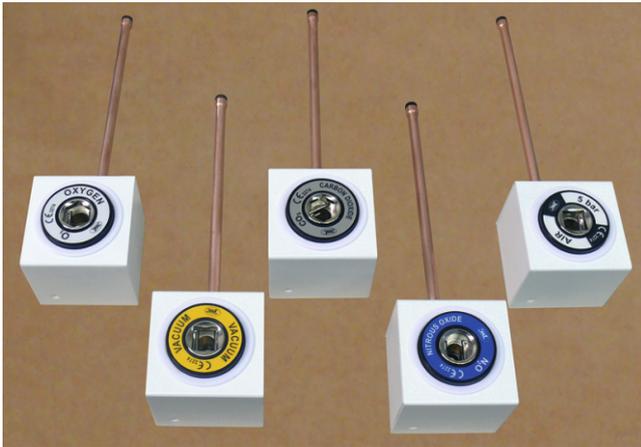
O<sub>2</sub>

- For direct connection for vacuum regulator:

VAC

## MEDICAL GAS OUTLETS IN MOUNTING CASES

### SURFACE INSTALLATION



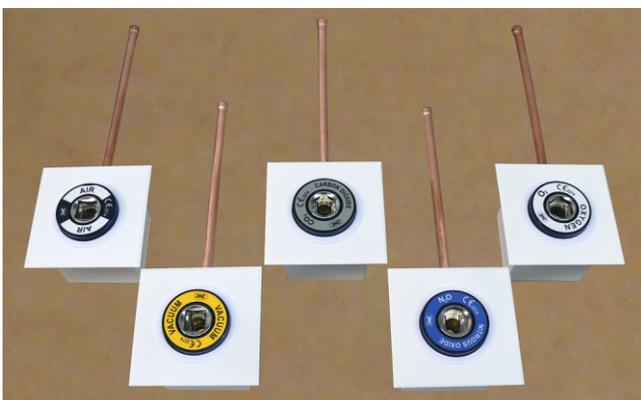
Dimensions:  
length 70 mm  
width 70 mm  
height 68 mm

O<sub>2</sub>: in cases for surface installation 500861  
AIR: in cases for surface installation 500862  
N<sub>2</sub>O: in cases for surface installation 500863  
CO<sub>2</sub>: in cases for surface installation 500864  
VAC: in cases for surface installation 500865

- Dimensions:  
140x70x60 mm set of any two gases  
210x70x60 mm set of any three gases
- Installation: 4 screws
- X - type of gas:
  - 1 - O<sub>2</sub>
  - 2 - AIR
  - 3 - N<sub>2</sub>O
  - 4 - CO<sub>2</sub>
  - 5 - VAC



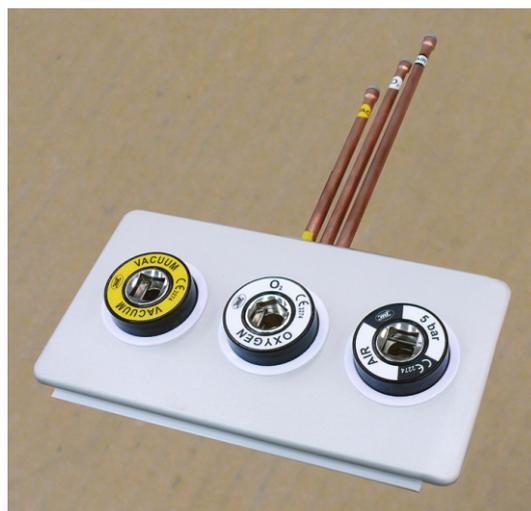
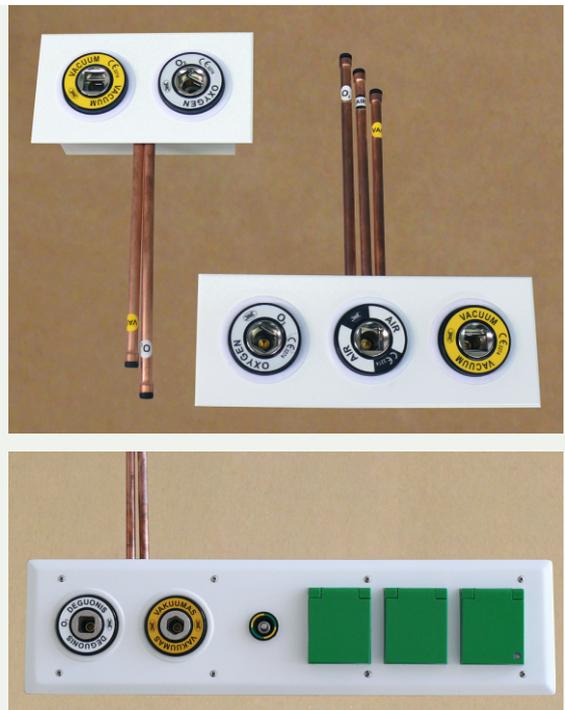
### CONCEALED INSTALLATION



Dimensions:  
length 90 mm  
width 90 mm  
height 68 mm  
depth 57 mm

O<sub>2</sub>: in cases for hidden installation 500871  
AIR: in cases for hidden installation 500872  
N<sub>2</sub>O: in cases for hidden installation 500873  
CO<sub>2</sub>: in cases for hidden installation 500874  
VAC: in cases for surface installation 500875

- Dimensions:  
160x90x68 mm set of any two gases  
230x90x68 mm set of any three gases
- Fastening: 4 screws
- X - type of gas:
  - 1 - O<sub>2</sub>
  - 2 - AIR5
  - 3 - N<sub>2</sub>O
  - 4 - CO<sub>2</sub>
  - 5 - VAC
- Gas outlets and electrical sockets in mounting cases can be designed according to individual needs



- Dimensions  
170x142x67 mm set of any two gases  
240x142x67 mm set of any three gases  
310x142x67 mm set of any four gases  
342x142x75 set of any three gases + AGSS

- Fastening: concealed installation

- X - type of gas:

- 1 - O<sub>2</sub>
- 2 - AIR
- 3 - N<sub>2</sub>O
- 4 - CO<sub>2</sub>
- 5 - VAC
- 6 - AGSS

Gas outlets can be designed according to individual need

- Magnetic cover mounting
- Concealed installation

## OUTLETS AND PROBES FOR ANESTHETIC GAS SCAVENGING

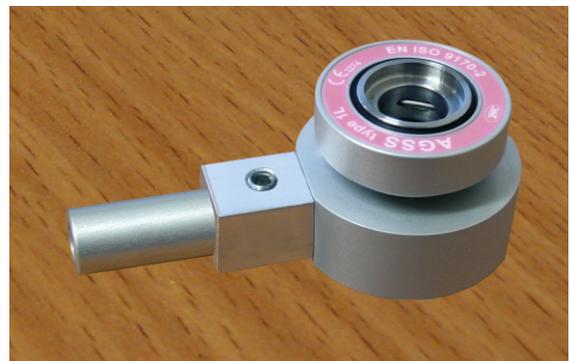


### TECHNICAL DATA

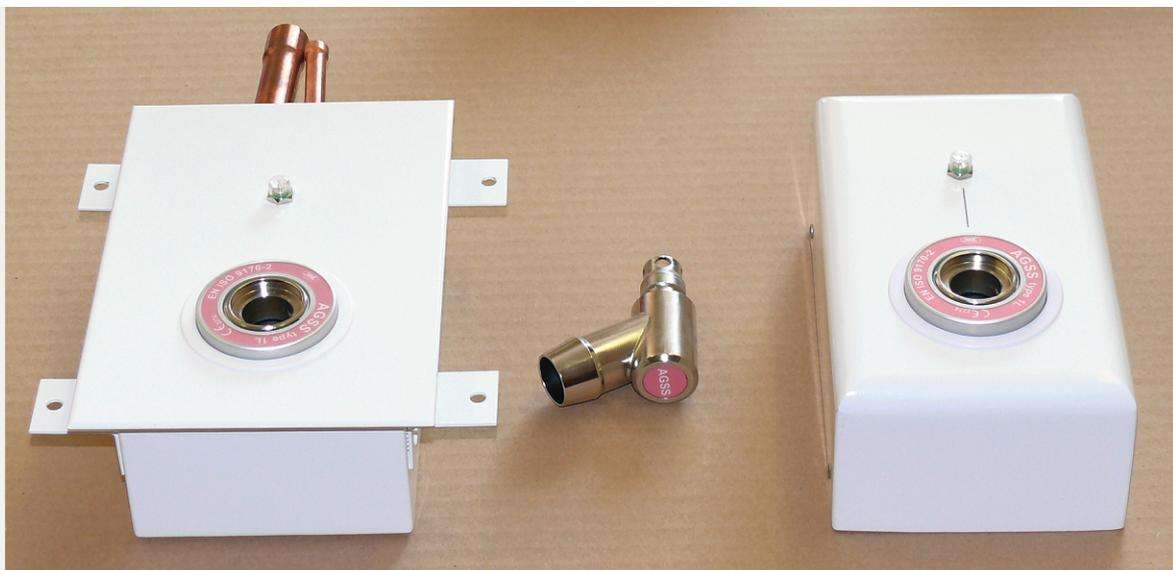
- AGSS active outlet type 1L with ejector of compressed air according to ISO 9170-2
- Indication when suction is turned ON
- Adjustment of the suction flow from 10 to 100 l/min
- The compressed air at inlet 3-8 bar for AGSS with ejector
- Outlets comply with DIN 13260-2
- Dimensions: 110 x 68 x 60 mm



- Probe for active and passive AGSS outlets type 1L according to ISO 9170-2
- Dimensions: 70x57x24 mm



- AGSS passive outlet type 1L according to ISO 9170-2 for centralized system of anesthetic gas scavenging
- Dimensions: 110 x 60 x 44 mm



- AGSS active outlet in mounting case for concealed installation
- Dimensions: 180 x 120 x 75 mm

- AGSS active outlet in mounting case for surface installation
- Dimensions: 170 x 100 x 65 mm

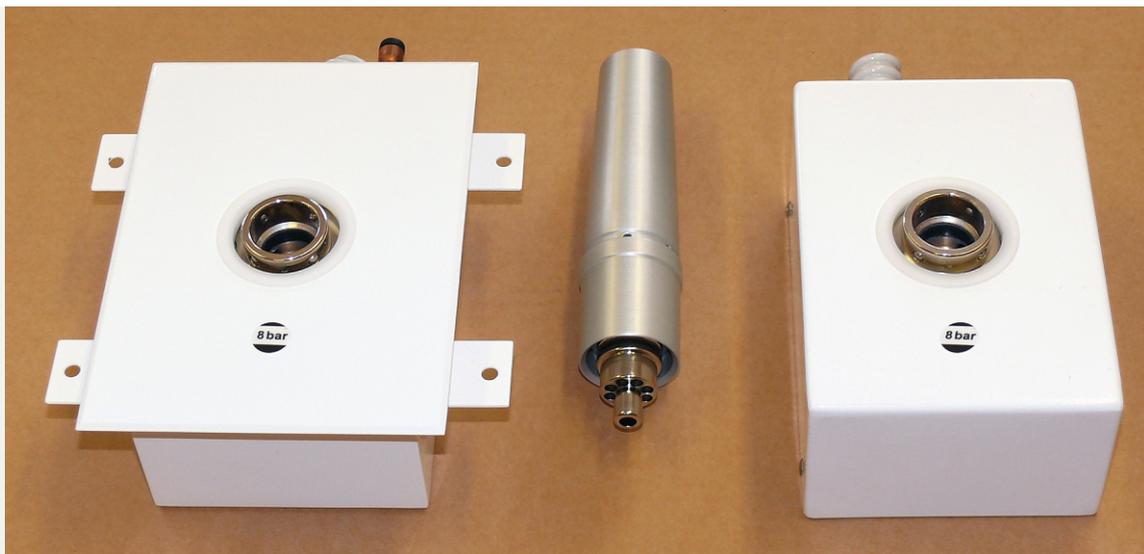
## OUTLETS AND PROBES FOR SUPPLY AND DISPOSAL OF AIR FOR OPERATING SURGICAL TOOLS

For operative connection of pneumatic surgical tools to the centralized supply system of compressed air with return of used air to the centralized disposal system



### TECHNICAL DATA

- Pressure in the channel of supply is 8 bar
- Pressure drop at the air flow of 300 l/min is less than 0.7 bar
- Pressure in the channel of used air up to 5 bar
- Air supply channel Ø 8 mm
- Used air channel Ø 15 mm



- Instrument Air 8 bar outlet in mounting case for concealed installation
- Dimensions: 120 x 164 x 67 mm

- Instrument Air 8 bar outlet in mounting case for surface installation
- Dimensions: 100 x 144 x 65 mm