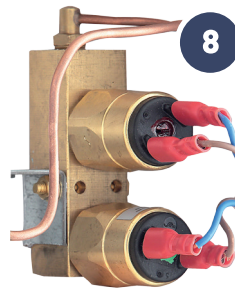
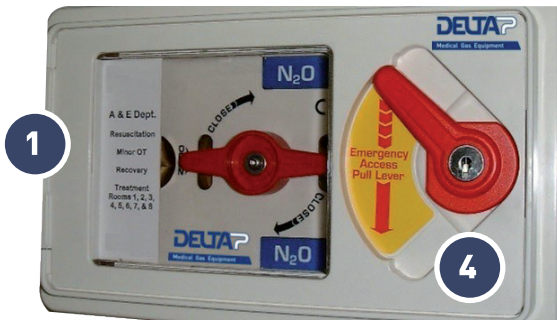


Area Valve Service Unit

HTM 2022 / 02-01

Area Valve Service Unit
HTM 2022 / 02-01



Key features

Available in 3 models

- 1 ABS enclosure with emergency access lever model
- 2 ABS enclosure with break window model
- 3 Metal (steel) enclosure with break window model
- 4 Access to valve assemblies (depending on the models) via key lock or emergency release lever or break window in emergency. Replacement break window easily installed following use in emergency
- 5 Equipped with NIST (non-interchangeable screw thread) connectors either side of the valve for connection of an emergency supply or for purging, testing and gas sampling
- 6 Comprising $\varnothing 22\text{mm}$ or $\varnothing 28\text{mm}$ ball valves with copper stub pipes for brazing to the pipeline system
- 7 Provision for mounting a label internally to identify the areas served
- 8 Model with and without pressure switches available
- 9 Flush or surface mounted installation

General Description

AVSUs are used to isolate a gas supply in the event of an emergency or during installation and maintenance. The AVSUs supplied from Delta p meets the requirements of:

- HTM 02-01 & HTM 2022 Medical Gas Pipeline Systems,
- BS EN ISO 7396-1 Medical Gas Pipeline Systems,
- BS EN ISO 18082 NIST Low pressure connectors for medical gases.

Three models are available:

- **AVSU Emergency access:** This model comprises a ball valve, $\varnothing 22\text{mm}$ (or $\varnothing 28\text{mm}$) copper stub pipes & NIST connectors mounted in a lockable ABS enclosure with emergency access handle, for flush or surface mounting. Availability with or without integrated pressure switches

- **AVSU Breakable window:** This model comprises a ball valve, $\varnothing 22\text{mm}$ (or $\varnothing 28\text{mm}$) copper stub pipes & NIST connectors mounted in a lockable ABS enclosure with a breakable window, for flush or surface mounting. Availability with or without integrated pressure switches

- **AVSU (Metal Enclosure):** This model comprises a ball valve, $\varnothing 22\text{mm}$ (or $\varnothing 28\text{mm}$ or $\varnothing 42\text{mm}$) copper stub pipes & NIST connectors mounted in a lockable steel enclosure with breakable window, for flush or surface mounting. Availability with or without integrated pressure switches

Area Valve Service Unit **HTM 2022 / 02-01**

Technical Data

COMPLYING TO HTM 02-01, HTM 2022, ISO 7396-1 standards

SUITABLE FOR FOLLOWING GASES O₂ | N₂O | CO₂ | SURGICAL AIR | 50% N₂O / 50% O₂ | VACUUM | MEDICAL AIR
(other gases available on request)

WORKING PRESSURE 4 barg (for O₂, N₂O, MEDICAL AIR, CO₂, 50% N₂O / 50% O₂)
7 barg (for SURGICAL AIR)
-1 ÷ -0,4 bar (for VACUUM)

INPUT/OUTPUT PIPES DIMENSIONS Ø22 mm
Ø28 mm
Ø42 mm (available for metal enclosure only)

DIMENSIONS See drawings

MODELS

AVSU EMERGENCY ACCESS

22mm AVSU (emergency access)

Gas type

Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

28mm AVSU (emergency access)

Gas type

Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

AVSU BREAKABLE WINDOW

22mm AVSU (breakable window)

Gas type

Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

28mm AVSU (breakable window)

Gas type

Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

AVSU METAL ENCLOSURE

22mm AVSU (metal enclosure)

Gas type

Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

28mm AVSU (metal enclosure)

Gas type

Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

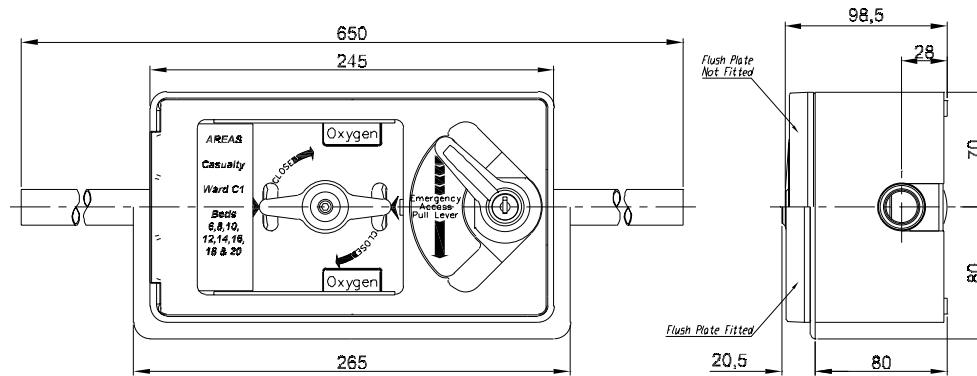
42mm AVSU (metal enclosure)

Gas type

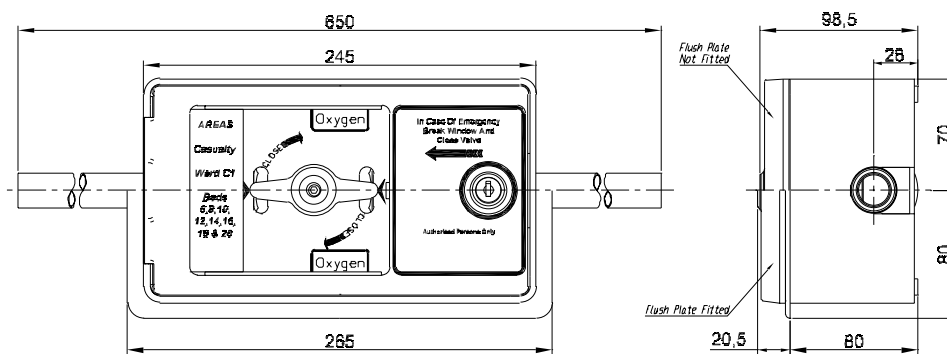
Oxygen
N₂O
50% O₂ / 50% N₂O
Medical Air
Surgical Air
Vacuum

Area Valve Service Unit **HTM 2022 / 02-01**

AVSU EMERGENCY ACCESS



AVSU BREAKABLE WINDOW



AVSU METAL ENCLOSURE

