SENAMED
Teknik ve Tıbbi Sistemler San. ve Tic. A.Ş.



VALAURIX

Area Valve Service Units

The unit consolidates medical gas lines from wards, corridors, and operating areas into a single control panel, providing both monitoring and isolation functions. Each line is equipped with a dedicated manometer, low-pressure sensor, and medical gas shut-off valve. It can be configured with or without alarms according to project requirements.

Its recessed installation and smooth sliding glass panel design create a minimal, modern, and sophisticated appearance within the space. The glass surface can be customized with colors, patterns, or graphics to achieve a project-specific aesthetic. Supports 1–6 gas lines.



VALAURIX Valve Box

Supports 1–7 gas lines; panel height increases with the number of gases.
Each line is monitored with a manometer. Gas inlet and outlet connections can be made from the right or left, adapting to different installation requirements.

Gas Lines
1–6 Gas Lines, Project-Specific Setup

Line Isolation
Each line can be isolated individually

Instant Emergency Supply
Maintains continuous gas flow

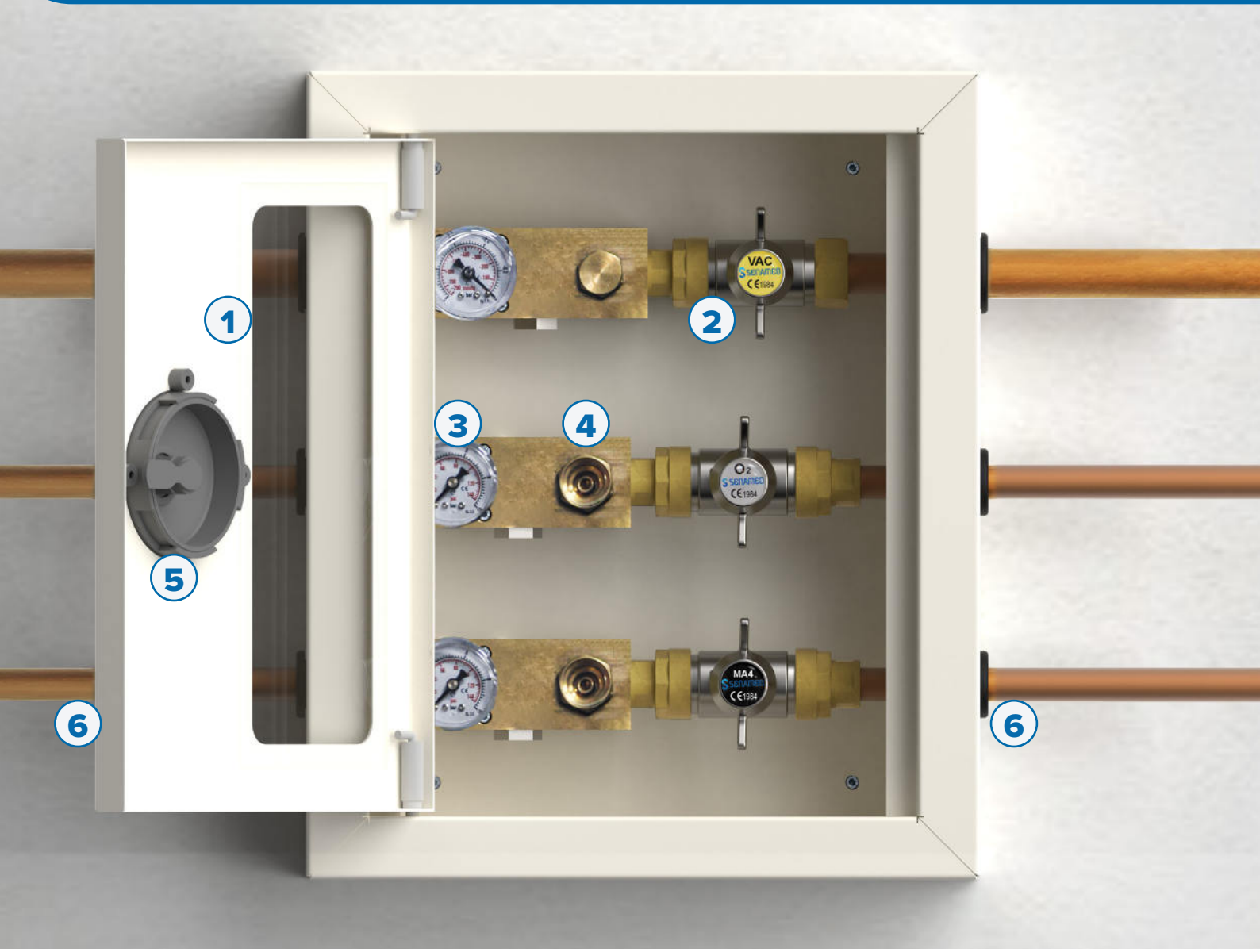
Installation Flexibility
Flush or Surface Mounting

Access Protection
Lock prevents unauthorized entry

Horizontal Connection
Gas connections on right and left sides.

Product Scope

The unit consists of two main sections: lower set and upper set. These sets together form the complete unit and can also be supplied separately if required. The upper set includes mechanical components such as the cover and lock, while the lower set contains the main components of the medical gas system including manometers, nist supply inlet and shut-off valves.



1 · Observation Window

Manometers can be viewed at a glance. Made of polycarbonate.

2 · Valve

Controls gas flow and provides line isolation. Equipped with a stainless steel ball valve, 100% leak-tested.

3 · Manometer

Displays the line pressure status in real time.

4 · Nist Supply Inlet

Allows connection of an external gas source for uninterrupted supply to the line in emergencies.

5. Emergency Push Lock

It prevents unauthorized access with a lock; opens quickly in emergencies by tapping the panel.

6 · Gas Inlet/Outlet

Allows medical gas to be received from the main line, monitored, and delivered to the relevant line.

Flush Mounted



Surface Mounted



MODEL	VALAURIX
General Features	
Supply Voltage	220 V, 50 Hz.
Operating Temperature	0°C – 40°C
Relative Humidity	10 – 95 %
Number of Lines (Max.)	1 — 7 Line
Medical Gases	Oxygen (O_2) – Nitrous Oxide (N_2O) – Medical Air (MA4) Surgical Air (SA7) – Vacuum (VAC) – Carbon Dioxide (CO_2) – Nitrogen (N_2)
Configuration	Number of lines and gas combination are project-specific
Max. Inlet Pressure	10 Bar
Operating Pressure	0 – 8.5 Bar (Compressed Gas) 0–(-1) Bar (Vacuum)
Pressure Sensitivity	0.1 Bar
Technical Features	
Inlet/Outlet Pipes	Side Connection, Medical Copper Pipe
Pipe Diameter	Ø15 mm (Pressure Lines) Ø22 mm (Vacuum Line)
Pressure Gauges	0–10 Bar
Vacuum Gauge	0–(-1) Bar
Emergency Supply	Gas-specific NIST connections (Project-specific gas outlet option)
Line Control	Ball Valve
Monitoring	Pressure Gauge – Vacuum Gauge
Mechanical Features	
Material	CR Steel / RAL 9010 Electrostatic Powder Coated
Installation	Flush Mounted / Surface Mounted
Recommended Installation Height	1550 – 1650 mm from Floor Level (Panel Center)
Standards	
Management Standards	2007/42/EC
Quality Management System	EN ISO 13485:2016 — EN ISO 9001:2015
Electrical Safety and Performance	EN 60601-1:2009 — EN 60601-1-2:2011 — EN 60601-1-8:2008
Risk, Usability and Labeling	EN ISO 14971 :2012 — IEC62366-1:2015 EN ISO 15223-1:2016 — EN 1041+A1:2011

Technical specifications are subject to change without prior notice. Images are for illustrative purposes only and may vary by model.

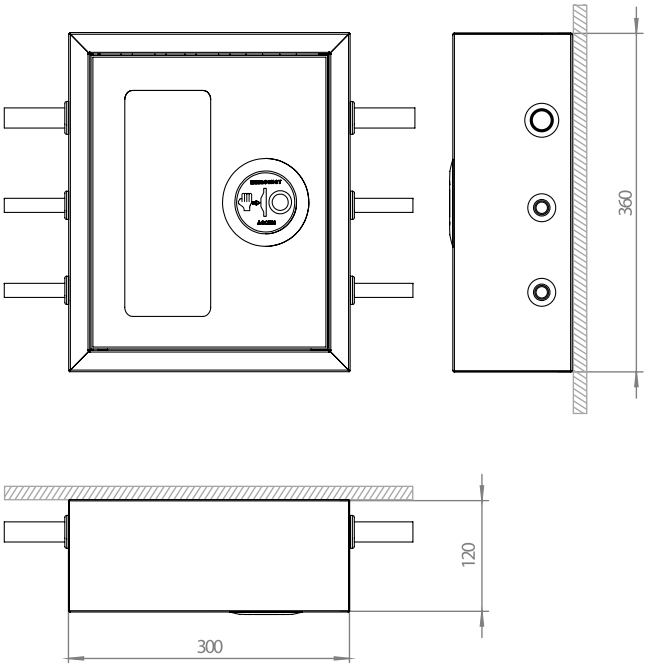
DIMENSIONS (mm)

Unit Type	Mounting	Height	Width	Depth	Weight
1 Gas	Surface Mounted	180	300	120	3.7 kg
1 Gas	Flush Mounted	232	350	86.20	4 kg
2 Gases	Surface Mounted	270	300	120	6.1 kg
2 Gases	Flush Mounted	322	350	86.20	6.4 kg
3 Gases	Surface Mounted	360	300	120	8.5 kg
3 Gases	Flush Mounted	412	350	86.20	8.8 kg
4 Gases	Surface Mounted	450	300	120	11 kg
4 Gases	Flush Mounted	502	350	86.20	11.3 kg
5 Gases	Surface Mounted	540	300	120	13.4 kg
5 Gases	Flush Mounted	592	350	86.20	13.7 kg
6 Gases	Surface Mounted	630	300	120	15.9 kg
6 Gases	Flush Mounted	682	350	86.20	16.2 kg
7 Gases	Surface Mounted	720	300	120	18.4 kg
7 Gases	Flush Mounted	772	350	86.20	18.7 kg

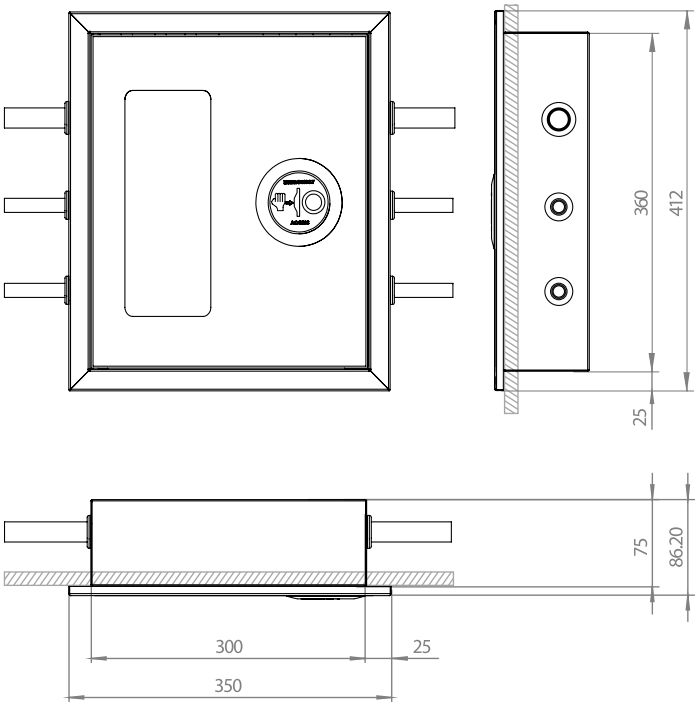
Standard dimensions are provided. For project-based, high-volume production, optimized dimensions can be applied depending on the number of gases. Weight may vary depending on the gas quantity and internal equipment.

TECHNICAL DRAWINGS

3 Gases Valve Box – Surface Mounted



3 Gases Valve Box – Flush Mounted



Other gas configurations share similar design principles.
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