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



CLARION

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.



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

Custom Surface Application
Custom design on the front panel.

Instant Emergency Supply
Maintains continuous gas flow

Seamless Surface Effect
Wall-aligned, continuous appearance.

Controlled Sliding Mechanism
Smooth front panel movement.

Alarm Options
Touch Panel / Digital / No Alarm

CLARION Service Unit

Supports 1–6 gas lines; panel width increases with the number of lines.
Each line includes manometer and pressure sensor for continuous monitoring.
Data can be sent to the Building Management System (BMS) for central monitoring.

Product Scope

The unit consists of three main sections: lower set, upper set, and alarm 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, low-pressure sensors, and shut-off valves.



1 · Glass Panel

Observation window glass front panel; color and pattern customizable, premium appearance.

2 · Sliding Mechanism

System enabling controlled, smooth and balanced vertical glass panel movement.

3 · Gas Inlet/Outlet

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

4 · Valve

Controls gas flow and enables line isolation.

5 · Nist Supply Inlet

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

6 · Manometer

Displays the line pressure status in real time.

7 · Stoper Kilit

Cam paneli açık konumda sabitler; tam açılım ve alarm erişim pozisyonu için durdurma sağlar.

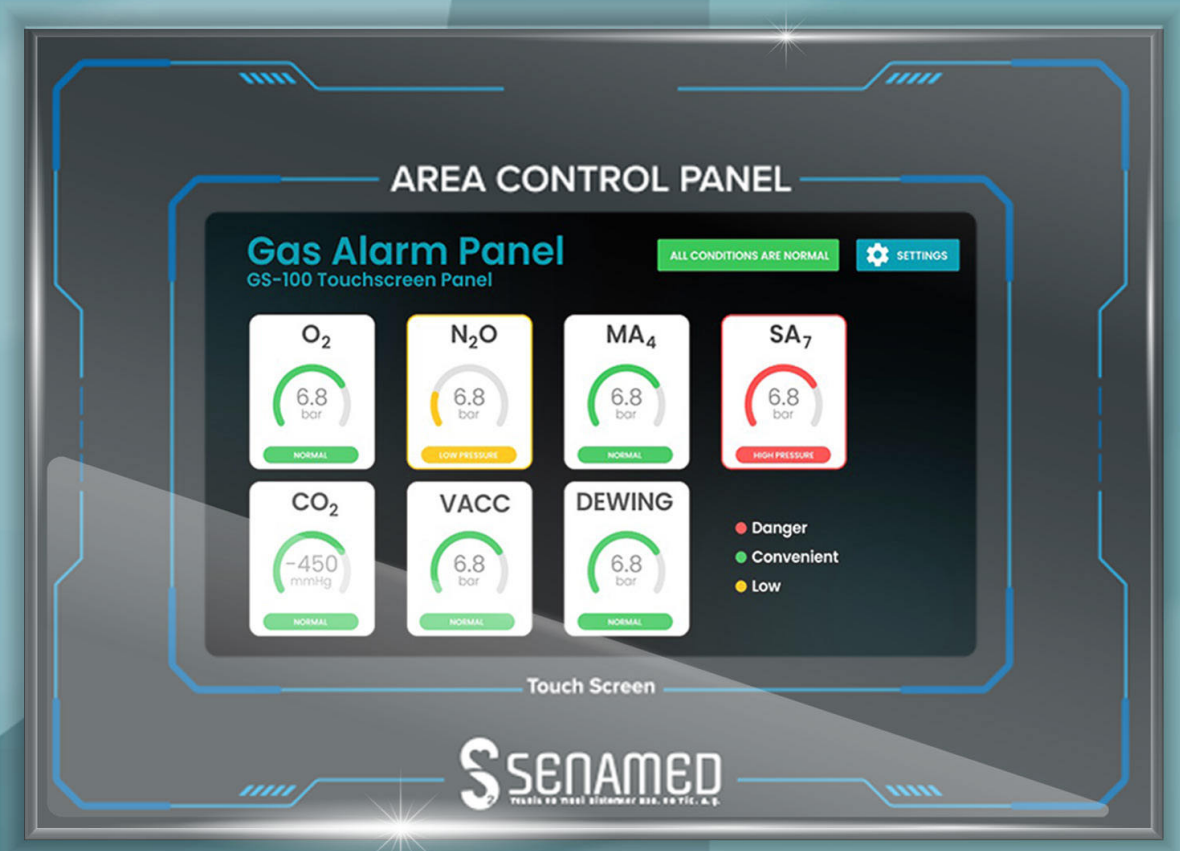
8 · Dijital Alarm

Triggers sound and visual alarms when limits are exceeded, sending a signal to the master alarm.

Application Areas

Primarily used in hospitals, clinics, and operating rooms, as well as wards, corridors, intensive care units, and emergency lines, for safe monitoring and control of medical gas systems. Compatible with both recessed and surface mounting, it easily adapts to various infrastructure and architectural projects.





Touchscreen Alarm Unit

Continuously monitors gas line pressures, in real time. With all lines to be easily tracked on a single screen.
Detailed settings and information are clearly displayed on the 5” touchscreen.
Provides a sleek, modern appearance and can be configured to meet project requirements.

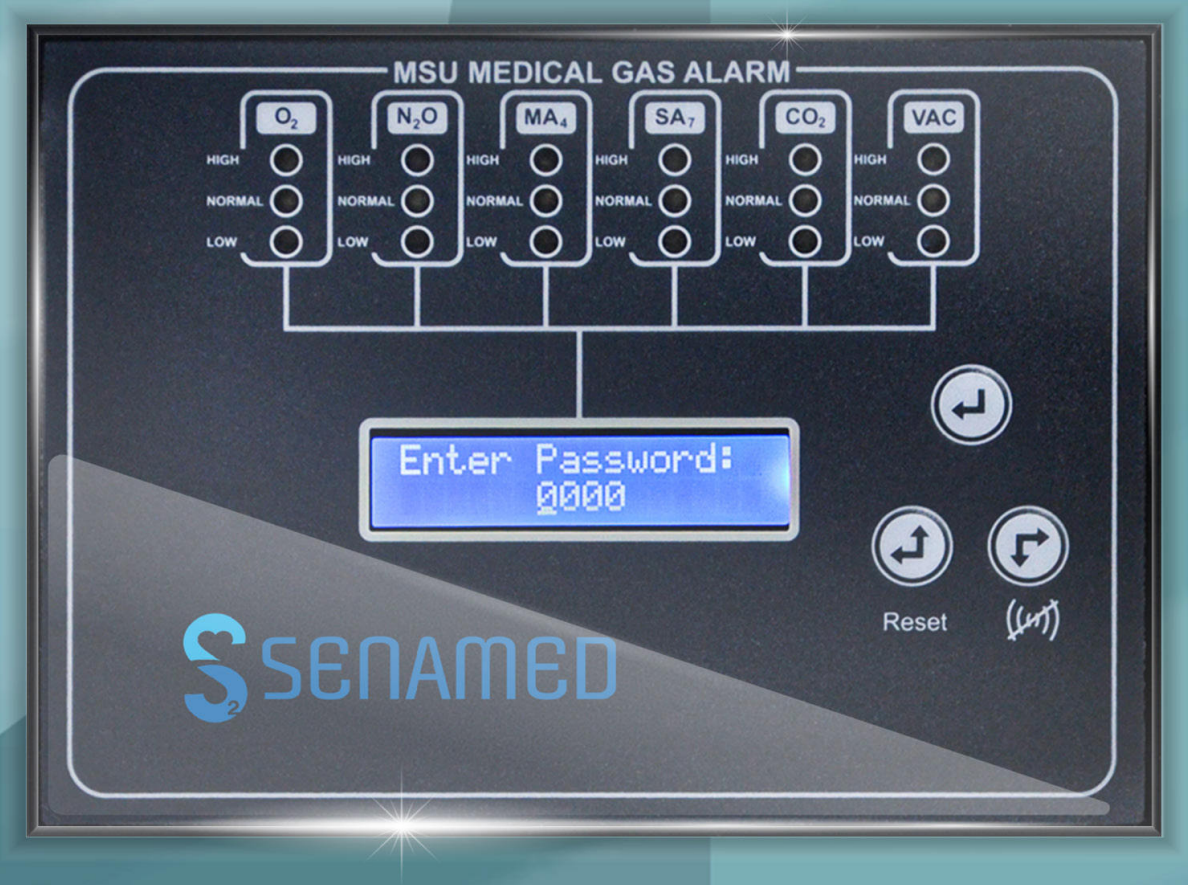
Touchscreen Panel
Monitors gas pressure in detail.

Sleek & Modern Design
Minimal and technological approach.

Advanced Configuration
Detailed settings via the display.

Sensor Configuration
1–6 sensor, selectable as needed.

Authorized Access
Password restricted to personnel.



7-Segment Digital Alarm Unit

Monitors gas line pressures via LED indicators Settings and configurations are made using basic buttons on the 7-segment digital display. Provides reliable performance, a cost-effective solution, and can be configured to meet project requirements.

LED Indicator Panel
Pressure status is displayed via LEDs.

Cost-Effective Solution
Practical usage with 7-segment panel.

Button-Controlled Interface
Easy configuration via panel buttons.

Sensor Configuration
1–6 sensor, selectable as needed.

Authorized Access
Password restricted to personnel.

MODEL	CLARION
General Features	
Supply Voltage	220 V, 50 Hz.
Operating Temperature	0°C – 40°C
Relative Humidity	10 – 95 %
Number of Lines (Max.)	1 – 6 Lines
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	Top Entry, 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 – Sensor
Mechanical Features	
Material	Cold Rolled Steel (Lower Body), Glass Front Panel
Installation	Recessed
Recommended Installation Height	1550 – 1650 mm from Floor Level (Panel Center)
Digital Alarm	
Dimensions (H×W×D)	128 × 178 × 68 mm
Control	Microprocessor Controlled Electronic System
Digital Alarm Display	7-Segment Digital Display
Touchscreen Alarm Display	5" Touchscreen Display
Sensor Type	Pressure and Vacuum
Alarm Function	High/Low Pressure Alarm, Empty Gas Cylinder, Intermediate Pressure Alarm, System Changeover Alarm
Alarm Notification	Audible and Visual Warning + Notification to Master Alarm Panel
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.

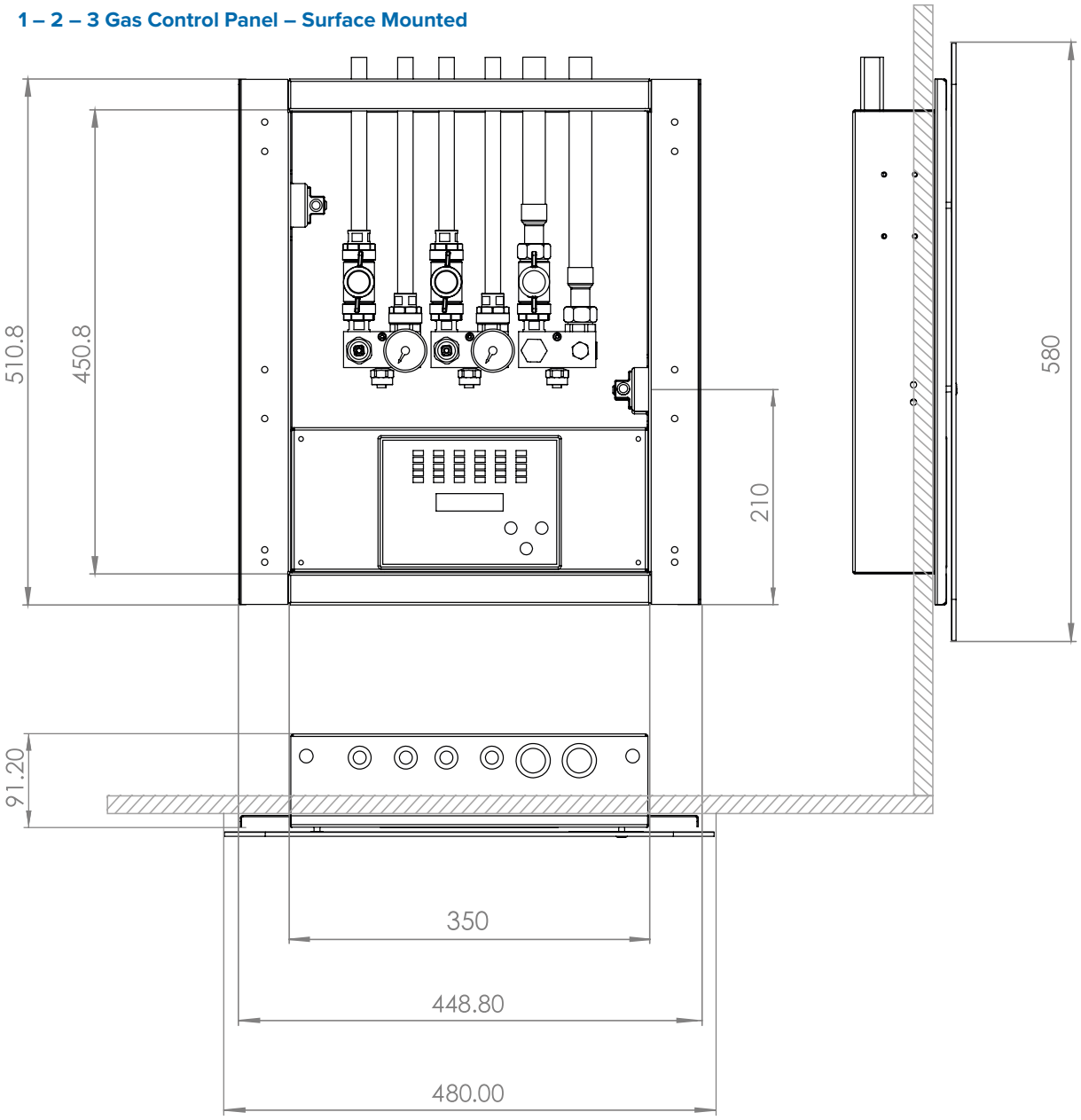
DIMENSIONS (mm)

	LOWER BODY			FRONT PANEL			
Unit Type	Height	Width	Depth	Height	Width	Thickness	Weight
1 – 3 Gases	450,80	350	91.20	580	480	5	11.7 kg
4 – 5 Gases	450,80	520	91.20	580	650	5	17.8 kg
6 Gases	450,80	605	91.20	580	735	5	21.3 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

1 – 2 – 3 Gas Control Panel – Surface Mounted



Other gas configurations share similar design principles.
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