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



Emergency Backup
Medical Gas Plants

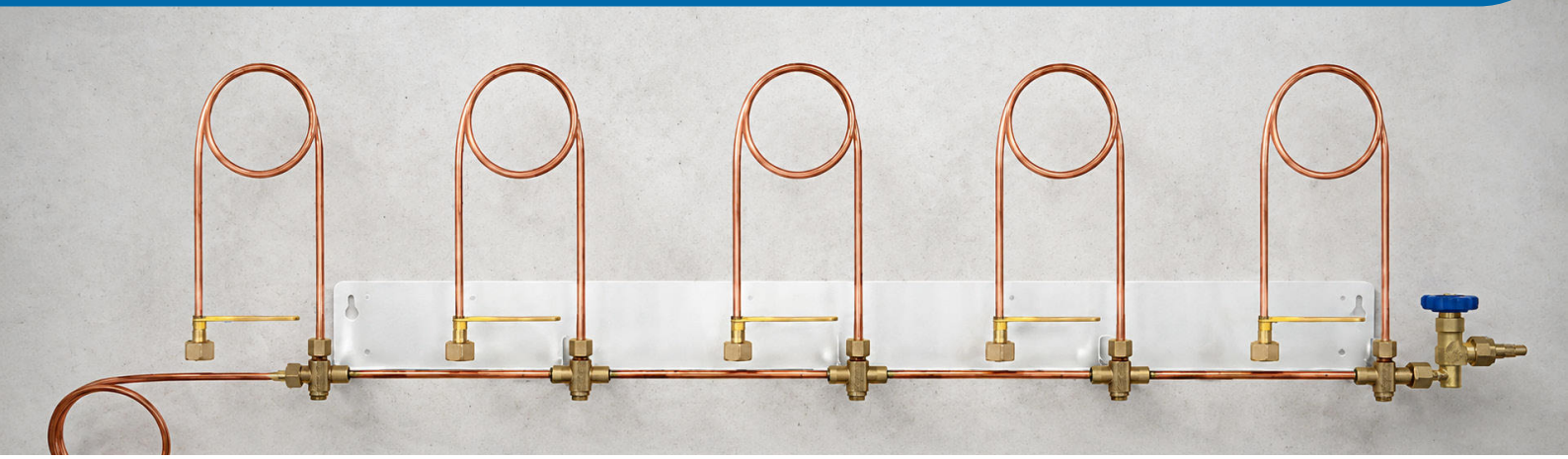
The Emergency Supply System provides a reliable backup gas supply for medical gas installations, ensuring continuity of supply when the primary manifold is unavailable. It provides a dependable backup to maintain medical gas supply continuity.

The system includes **cylinder ramps, flexible hose assemblies and pigtails, cylinder holders, and a high-pressure regulator.** The modular component arrangement allows the system to be configured according to the required gas type, cylinder capacity, and installation needs.

Available for **O_2, N_2O, MA4, SA7, VAC, CO_2, N_2,** and **Mixed Gases**, with connection options to suit different installation requirements. The system offers flexibility for both new installations and existing medical gas networks.

High-Pressure Gas Cylinder Ramps

Cylinder ramps are system components that provide safe distribution in high-pressure gas lines and can be modularly configured according to project requirements. Materials and seals are selected for gas purity.

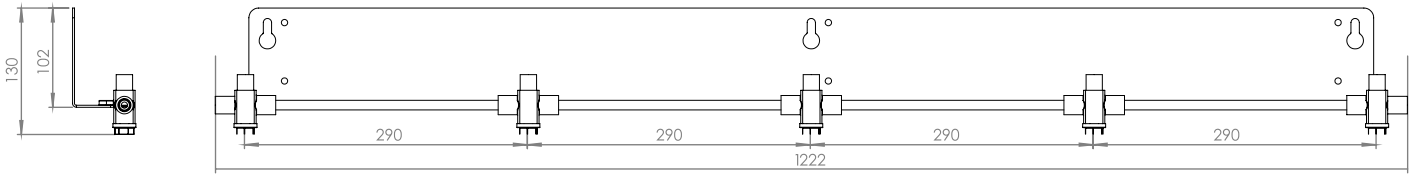


General Features

Material	Electrostatic powder-coated over mild steel
Control Type	Check-Valve (automatic) / Valve (manual) (independent for each cylinder)
Safety	Emergency vent valves on right and left sides
Mounting	Suitable for wall or frame mounting
Connection	Ramp–Cylinder Ramp–Ramp
Maximum Cylinder Capacity	5 cylinders per ramp
System Scalability	Expandable via Ramp–Ramp connection

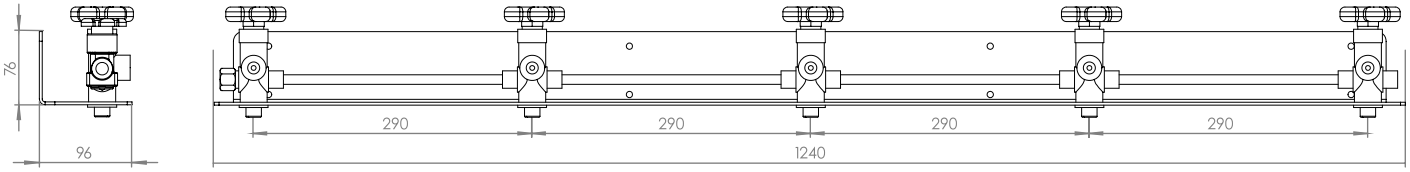
Check-Valve Ramp

Automatically prevents backflow and ensures leak-tight, continuous and simultaneous operation of all lines.



Valve Ramp

Cylinders are individually isolated via manual control, enabling leak-tight line management and backup gas usage.



Dimensions

Configuration	Cylinder Capacity	Check-Valve Ramp	Valve Ramp
Single	1 Cylinder	80 mm	62 mm
Double	2 Cylinders	370 mm	352 mm
Triple	3 Cylinders	660 mm	642 mm
Quadruple	4 Cylinders	950 mm	932 mm
Quintuple	5 Cylinders	1240 mm	1222 mm

** Clamps are not included and are selected according to gas type.*

*** For higher capacity requirements, ramps can be modularly interconnected.*

Connection and Supporting Components

Components used in medical gas systems to ensure safe connection, flow control, and mechanical stability, and can be modularly configured according to project requirements.

Copper Pigtail (Ramp — Cylinder)

Material	High-Purity Flexible Copper
Operating Pressure	250–260 bar (max.)
Length	80 cm *(adjustable length)*
Inlet Dimensions	3/4"
Outlet Dimensions	3/8", 1/2", 5/8", 3/4", Bullnose
Pipe Diameter	Ø8 mm
Pipe Wall Thickness	2.50 mm



Flexible Stainless Braided Pigtails (Ramp — Cylinder)

Material	Stainless Steel
Operating Pressure	300 bar (max.)
Length	80 cm (project-dependent)
Inlet Dimensions	3/4"
Outlet Dimensions	3/8", 1/2", 5/8", 3/4", Bullnose
Pipe Diameter	Ø12 mm
Pipe Wall Thickness	2 mm



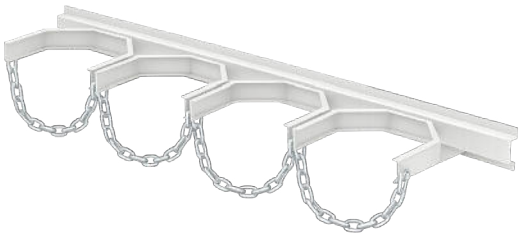
Evacuation Valve

Material	Brass
Function	Manifold Line Pressure Relief
Outlet Type	Single Gas Outlet
Operation Type	Manual
Mounting Position	Separate on Right and Left Lines

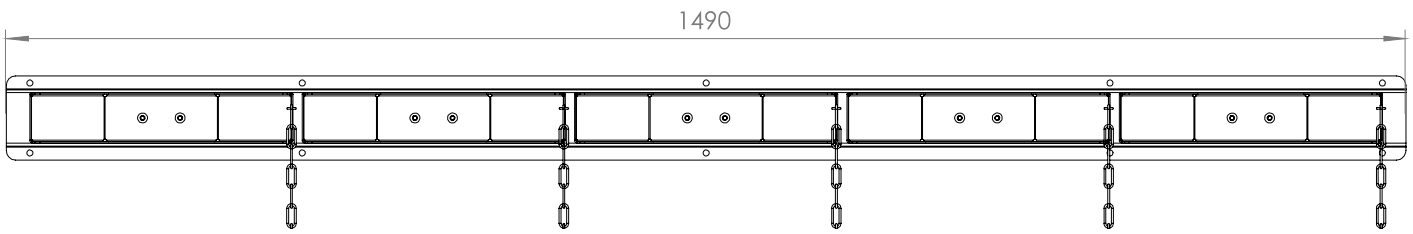


Cylinder Securing Chain

Body Material	2.5 mm Galvanized Steel
Surface Coating	Electrostatic Powder Coating (RAL Options)
Mounting Type	Wall Mounting
Fixing	Chain-Supported Compartmental Structure
Cylinder Capacity	Max. 5 Cylinders per Module
Modular Structure	Expandable with Multiple Modules
Access	Independent Access to Each Cylinder



Dimensions				
Single	Double	Triple	Quadruple	Quintuple
330 mm	620 mm	910 mm	1200 mm	1490 mm



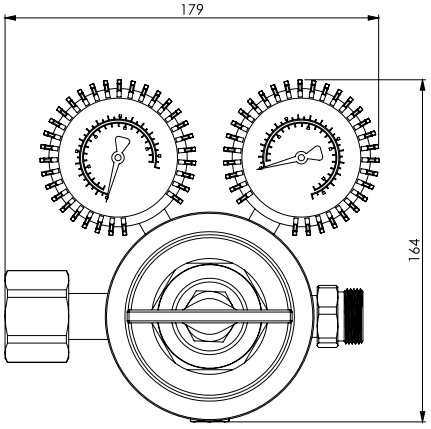
Technical specifications are subject to change without prior notice. Images are for illustrative purposes only and may vary by model.

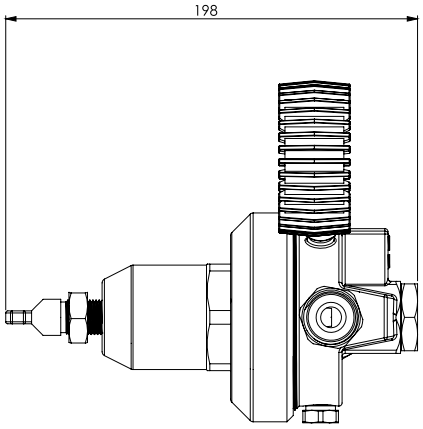
High-Pressure Line Groups – First Stage Regulator

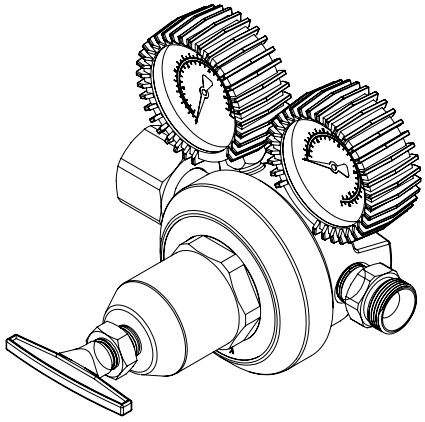
The High-Flow Pressure Regulator is designed to reduce and regulate high-pressure gas from the cylinder bank to a controlled outlet pressure. With its high flow capacity, it provides reliable pressure regulation for medical gas supply and emergency supply systems.



First Stage Regulator / 0-15 Bar					
Gas Type	**Inlet Connection**	**Outlet Connection**	**Inlet Pressure**	**Outlet Pressure**	**Gas Flow**
Oxygen	G 1”	G 3/4”	0-230 bar	0-15 bar	180 m^3/h
Nitrogen	G 1”	G 3/4”	0-300 bar	0-15 bar	180 m^3/h
Carbon Dioxide	G 1”	G 3/4”	0-200 bar	0-15 bar	150 m^3/h







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



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

CONTACT

+90 533 771 92 03
www.senamed.com.tr
sales@senamed.com.tr
linkedin.com/company/senamedtr/
Köşklü Çeşme Mh. Yeni Bağdat Cd. No:126 Gebze / Kocaeli / TÜRKİYE