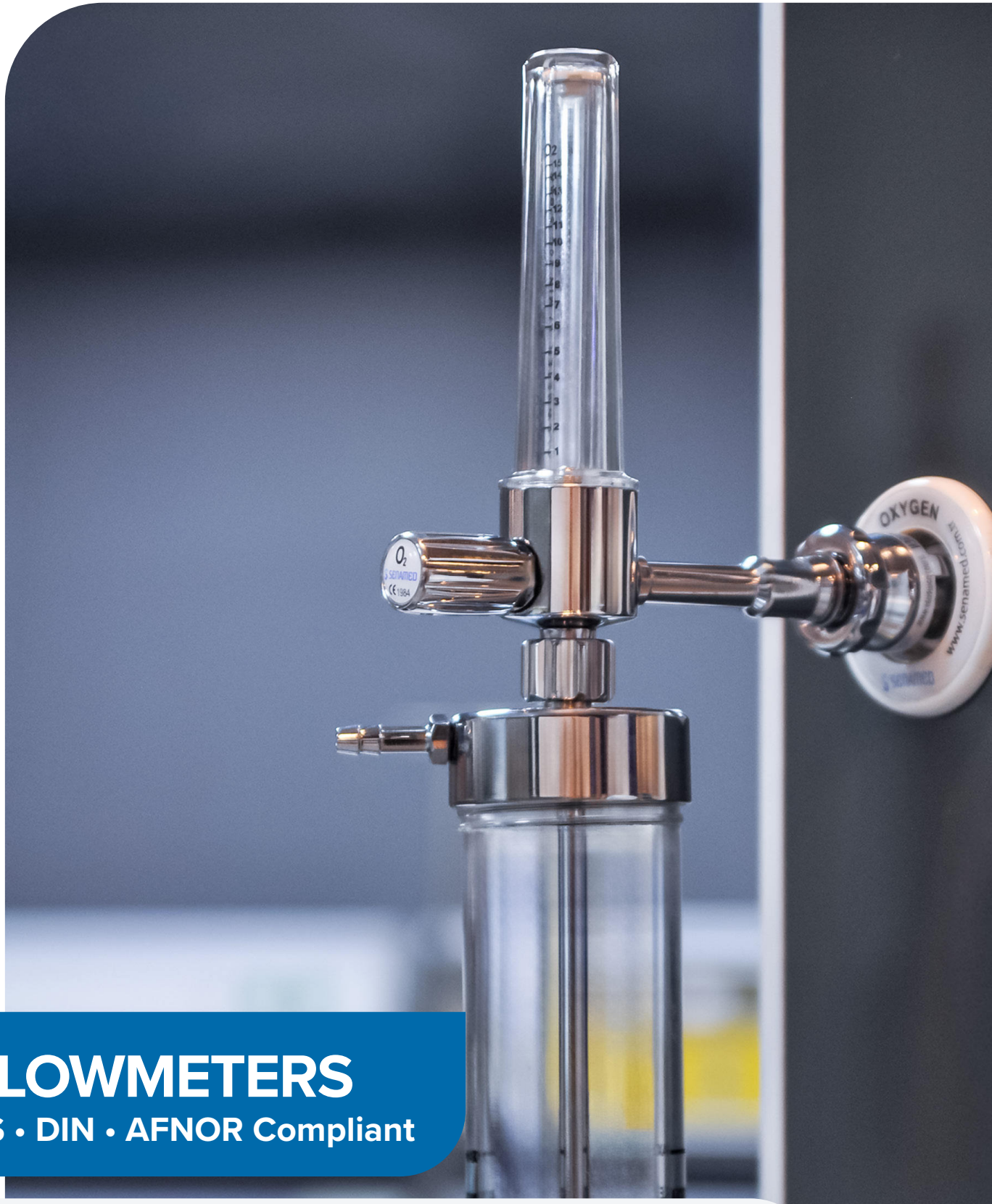
SENAMED
Teknik ve Tıbbi Sistemler San. ve Tic. A.Ş.



FLOWMETERS

BS • DIN • AFNOR Compliant

Our flowmeter range includes **Fluxa, Nexa** and **Vario Series**, designed to meet diverse clinical needs with a refined and consistent design language. The range comprises **single flowmeters, twin flowmeters, flowmeters with integrated regulators,** and **oxygen therapy devices,** supported by compatible humidifier bottles.

All models are manufactured in compliance with **BS, DIN** and **AFNOR** standards, ensuring reliable performance and safe oxygen delivery in all clinical environments.

Product Scope

The flowmeter scope consists of a multi-component system supplied as a complete assembly. Individual components are also available separately, allowing flexibility in replacement and system compatibility according to clinical requirements.



UPPER SET

1 · Flowmeter

The flowmeter features polycarbonate inner and outer tubes with a chromium-plated brass body, providing clear flow indication.

It delivers flow rates up to 15 L/min and is back-pressure compensated for stable performance.

2 · Control Knob

Allows smooth and steady flow adjustment with durable brass construction.

3 · Probes

Ensures secure connection to the medical gas outlet, compatible with DIN, BS and NF standards.

LOWER SET

4 · Humidifier Cap

Secures the humidifier bottle to flowmeter body and provides an outlet connection for the tubing.

5 · Humidifier Bottle

Reusable humidifier bottle is autoclavable up to 134°C and made of impact-resistant polycarbonate for maximum durability.

6 · Filter

Internal micro filter prevents inhalation of particles.

PROBES


BS


DIN


NF


NF (Locking)

Product Models

Vario, Fluxa and Nexa series provide three distinct flowmeter solutions for various clinical needs. Each model is designed with the same high quality standards. Each series is available in single, twin and regulator-integrated flowmeter configurations, ensuring flexibility for different applications.





TWIN FLOWMETER

Twin flowmeters feature a single gas input with dual outputs, enabling simultaneous use for two patients or dual humidifiers. Designed for efficient and flexible clinical applications

Duo Jack Adapter connects two flowmeters to a single gas outlet. This component enables the flowmeter to have dual output.

Simultaneous Use
Supports dual patient

Single Gas Input
One inlet, dual flow control

Standards
BS • DIN • NF compatible

Model Range
Available in Fluxa, Nexa & Vario

Flexible Connection
Rail or direct gas outlet connection



MANOMETER FLOWMETER

Manometer flowmeters combine precise flow control with pressure monitoring in a single unit, enabling controlled oxygen delivery while allowing users to monitor the line pressure.

Duo Jack Adapter connects a flowmeter and a manometer to a single gas outlet. It enables flow control and pressure monitoring.

Dual Function
Flow control + pressure monitoring

Pressure Indication
Manometer, 0–16 bar range

Single / Twin Use
Single or twin humidifier bottle

Standards
BS • DIN • NF compatible

Model Range
Available in Fluxa, Nexa & Vario

Flexible Connection
Rail or direct gas outlet connection



OXYGEN THERAPY DEVICE

Designed to regulate and humidify oxygen from high-pressure cylinders (max. 200 bar) and reduce it to 4.5 bar outlet pressure. Manometer for pressure monitoring.

Available with **Bull Nose Connection** and **Flat Connection (3/4")** to ensure safe, leak-free operation under high-pressure conditions.

Direct Connection
Connects directly to oxygen supply

High Pressure Control
Flow control from oxygen sources

Pressure Indication
Manometer, 0–315 bar range

Portable Use
Ideal for mobile and emergency

Bull Nose Connection
Metal to metal sealing for high-pressure safety

Flat Connection (3/4")
Washer-sealed flat interface for reliable leak prevention

Related Products
Related Products

Flowmeter system components and accessories can be configured in different combinations to meet various clinical needs. The system offers flexible setup options and can be expanded or adapted with compatible products to achieve different configurations.
The flowmeter range consists of a multi-component system supplied as a complete assembly. Individual components are also available separately, allowing flexibility in replacement and system compatibility according to clinical requirements.

Flowmeter

Compatibility	All Flowmeter Models
Standards	DIN / BS / NF
Flow Rate	0–15 L/min
Flow Increments	1 L/min
Float Type	Ball Float
Accuracy	±0.1%
Scale Type	Linear Scale
Working Pressure	4–5 Bar
Body Material	Chrome-Plated Brass
Tube Material	Transparent Non-Breakable Polycarbonate
Inlet Connection	Direct Gas Outlet Rail-Mounted Hose Connection
Outlet Connection	Humidifier Bottle Connection
Gas Type	Oxygen / Medical Air



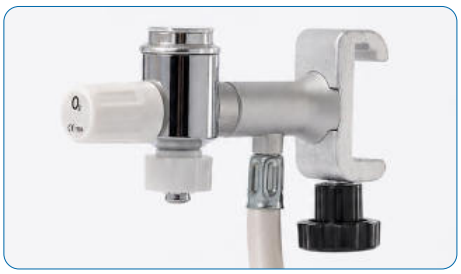
Humidifier Bottle

Compatibility	All Flowmeter Models
Body Material	Transparent Non-Breakable Polycarbonate
Cap Material	ABS Hard Plastic – Cr-Plated Brass – Satin
Capacity	200 ml
Graduation Markings	Yes (ml scale)
Sterilization	Autoclavable 121 °C for 15–20 min – 134 °C for 3–5 min
Connection Type	Threaded (Screw-On)
Inlet Connection	Flowmeter Outlet Compatible
Outlet Connection	Humidified Gas Delivery Outlet
Leak Resistance	Leak-Proof
Reusability	Reusable, Long Service Life



Rail Applicator

Compatibility	All Flowmeter Models
Material	Aluminum
Mounting Type	Clip-On Rail Mounting System
Fixing Mechanism	Tightening–Loosening Lock System
Movement	Slideable Along Rail, Freely Positionable
Locking	Secure Fixation at Desired Position



Gas Probes

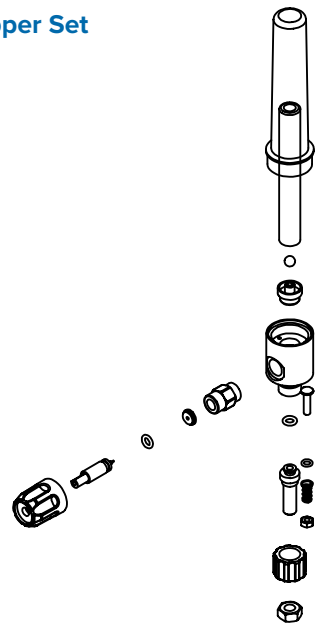
Compatibility	BS—DIN—NF
Material	Chrome-Plated Brass
Connection	Direct / Hose Outlet
Length	Standard (optional different lengths)
Safety	Gas-Specific Indexing



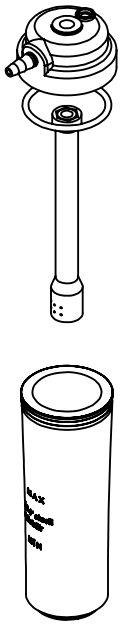
FLOWMETER TYPE	SINGLE	TWIN	MANOMETER	THERAPY DEVICE
General Features				
Compliance	BS - DIN - NF			
Operating Temperature	0°C – 50°C			
Relative Humidity	30 – 75 %			
Medical Gases	O_2 – MA_4			
Available Models	Fluxa / Nexa / Vario			Nexa
Connection	Direct to Gas Outlet / Rail Connection			Bull Nose / Flat (3/4")
Technical Features				
Flow Rate (L/min)	0 – 15			
Flow Increments (L/min)	1			
Accuracy	±0.1%			
Working Pressure	4,5 Bar			
Manometer Range	–	–	0 – 16 Bar	0 – 315 Bar
Materials & Components				
Flowmeter Body	Cr-Plated Brass			
Gas Probes	Cr-Plated Brass			
Humidifier Bottle	Transparent non-breakable polycarbonate			
Measuring Tube	Transparent non breakable polycarbonate			
Control Knob	ABS Hard Plastic / Cr-Plated Brass / Satin			Cr-Plated Brass
Humidifier Cap	ABS Hard Plastic / Cr-Plated Brass / Satin			Cr-Plated Brass
Standards				
Quality Standards	EN ISO 13485:2016, EN ISO 9001:2015			
Management Standards	EN ISO 13485:2016, EN ISO 9001:2015, EN ISO 14971:2020, IEC 62366-1:2015, EN ISO 15223-1:2016, 2007/42/EC			
Leaking Tests	EN ISO 9170-1:2020			
Medical Gas Standards	ISO 15002:2009			

Technical Drawings

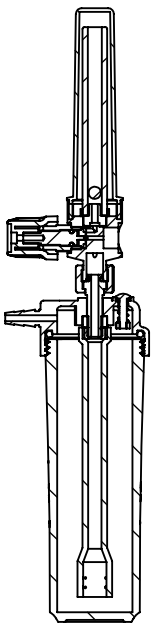
Upper Set



Lower Set



Section



Probe leght are available

Technical specifications may change without prior notice. The images are provided as examples and may vary depending on the model.



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