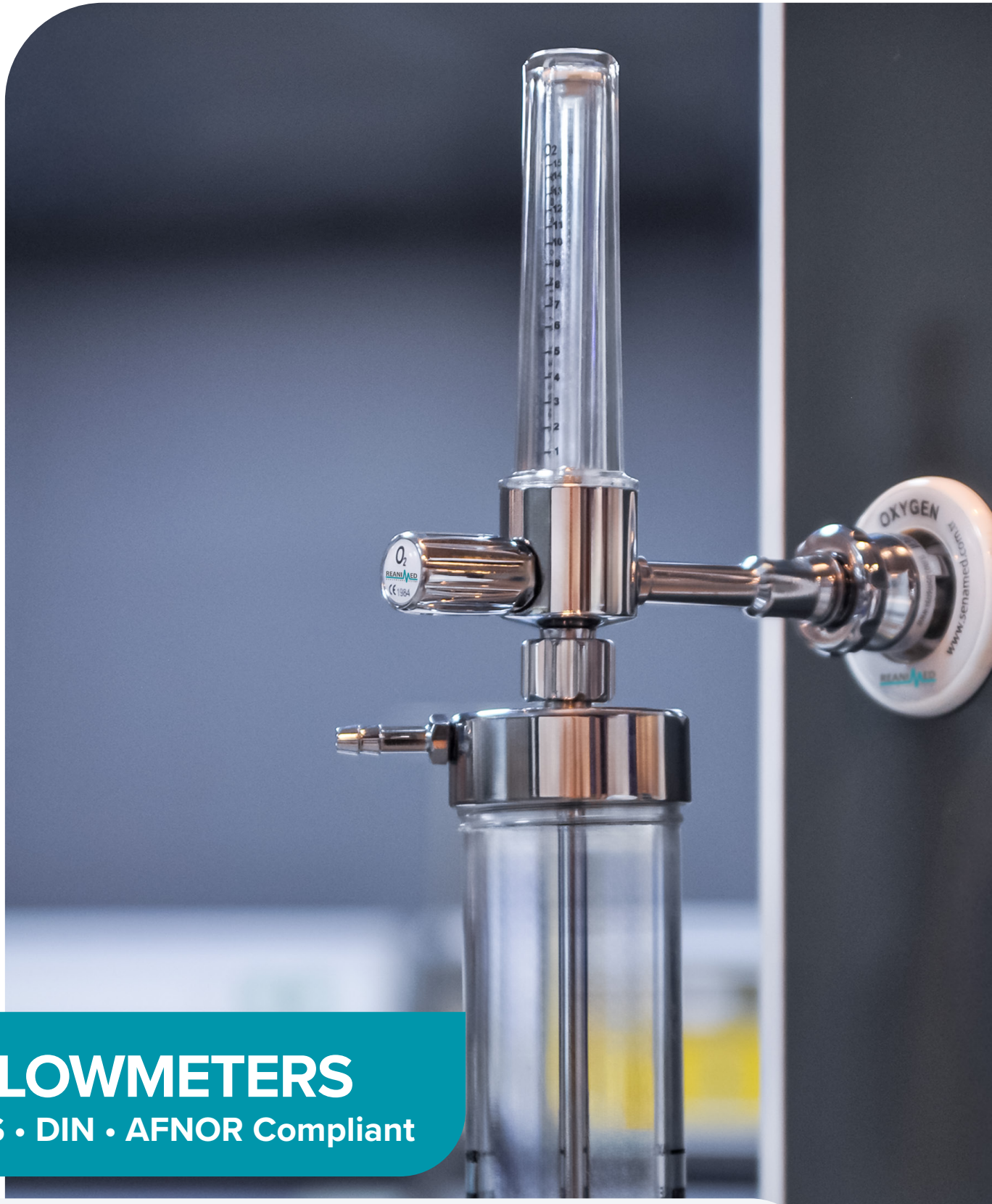
REANIMED HEALTHCARE SYSTEMS




# 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 manometers,** 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

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.

## 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<br>Rail-Mounted Hose Connection |
| Outlet Connection | Humidifier Bottle Connection |
| Gas Type | Oxygen / Medical Air |



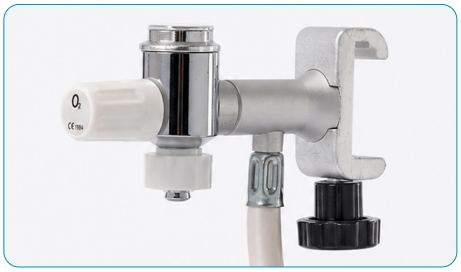
## Humidifier Bottle

| | |
|---|---|
| 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<br>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

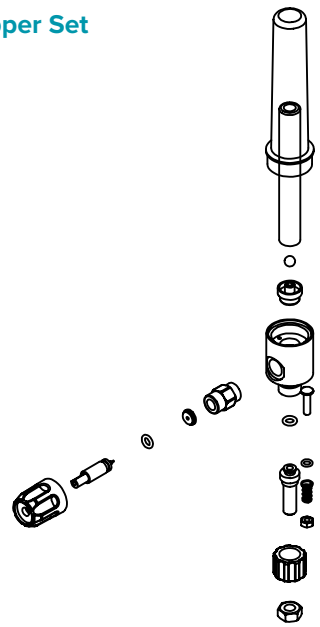
| | |
|---|---|
| Compatibility | BS—DIN—NF |
| Material | Chrome-Plated Brass |
| Connection | Direct / Hose Outlet |
| Length | Standard (optional different lengths) |
| Safety | Gas-Specific Indexing |



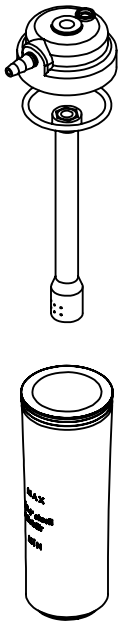
| FLOWMETER TYPE | SINGLE | TWIN | MANOMETER | THERAPY DEVICE |
|---|---|---|---|---|
| **General Features** | | | | |
| Compliance | BS - DIN - NF | | | |
| Operating Temperature | 0°C – 50°C | | | |
| Relative Humidity | 30 – 75 % | | | |
| Medical Gases | $O_2$ – $MA_4$ | | | |
| Available Models | 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

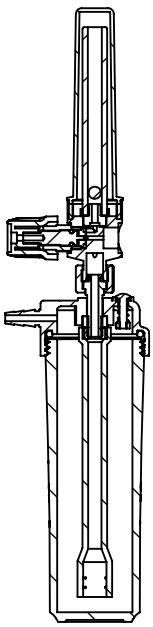
### Upper Set



### 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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