

FM

FLOWMETERS

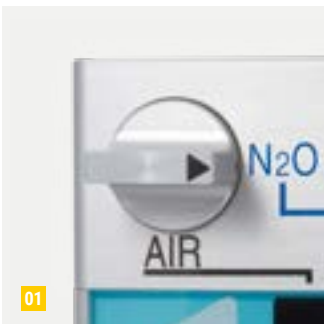
The **FM** flowmeters are devices for the supply of medical gases with two to six antistatic and graduated tubes and completed with an integrated dosage unit.

The body is made of anodized aluminum and the inlet connections for O₂, Air and N₂O at the bottom of the flowmeter are arranged to be connected to hospital centralized gas plants or to cylinders complete with pressure regulators.

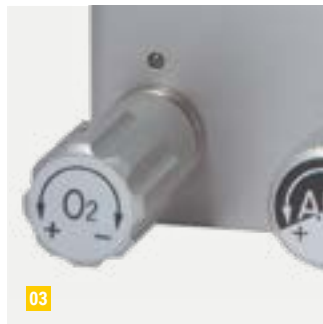
The gas feeding unit includes a safety valve automatically blocking the N₂O supply when the feeding pressure of O₂ drops below the value of approximately 0.4 bar. The mixtures of O₂ and N₂O can be supplied to the patient through a dosage unit.

An incorporated mixing device proportions the N₂O in such a way that a minimum of at least 30% of O₂ is always present in the gas mixture. At the outlet of the dosage unit, an anesthesia evaporator can be connected or the gas mixture can be supplied directly to the patient through the gas feeding unit. The O₂+ flush button can be used for a quick supply of O₂ directly at the outlet of the mixture on the gas feeding unit.

| TECHNICAL SPECIFICATIONS | FM 2200 | FM 2300 | FM 2500 | FM 2800 | FM 2900 |
|---|--|---|---|---|--|
| SIZES (LxWxH) | 148x143x318 mm | 148x143x318 mm | 148x143x318 mm | 148x143x318 mm | 148x190x318 mm |
| WEIGHT | 5.52 Kg | 5.57 Kg | 5.64 Kg | 5.69 Kg | 7.20 Kg |
| DOSAGE RANGE | O ₂ : 0.2 - 15 L/min. N ₂ O: 0.2 - 12 L/min. | O ₂ : 0.1 - 1 L/min. 0.2 - 15 L/min. N ₂ O: 0.1 - 1 L/min. 0.2 - 12 L/min. | O ₂ : 0.2 - 15 L/min. Air: 0.2 - 15 L/min. N ₂ O: 0.2 - 12 L/min. | O ₂ : 0.1 - 1 L/min. 0.2 - 15 L/min. Air: 0.2 - 15 L/min. N ₂ O: 0.1 - 1 L/min. 0.2 - 12 L/min. | O ₂ : 0.1 - 1 L/min. 0.2 - 15 L/min. Air: 0.2 - 15 L/min. N ₂ O: 0.1 - 1 L/min. 0.2 - 12 L/min. CO ₂ : 0.1 - 2 L/min. (limited at 1 L/min.) |
| ACCURACY | ±10% read value or ±0.3 L/min. if greater (± 10% E.O.S. for flow < than 1 L/min.) | | | | |
| INLET PRESSURES | 3.5 - 5 bar ±20% | | | | |
| N₂O BLOCKING DEVICE | the supply of N ₂ O is blocked when the O ₂ pressure drops below 0.4 bar ±0.2 bar. | | | | |
| CHARGE LOSS LEVEL, SIDE UNDER PRESSURE (BEFORE THE ADJUSTING NEEDLE VALVES) | less than 25 ml/min. in normal pressure conditions (ISO 5358) | | | | |
| CHARGE LOSS LEVEL, LOW PRESSURE SIDE (AFTER THE ADJUSTING NEEDLE VALVES, VAPORIZER EXCLUDED) | less than 25 ml/min. at 30 cm H ₂ O | | | | |
| HYPOXYGUARD SYSTEM | at least 30% -3% O ₂ is guaranteed in the mixture with N ₂ O opening value equal to 0.4 L/min. (with inlet pressures of 3.5 bar) | | | | |
| MIXED GASES OUTLET CONNECTION | conical connection 23 mm F ISO DIN 5356/1 | | | | |
| GASES INLET CONNECTIONS | hose connector Ø 6 mm | | | | |
| O₂ QUICK DOSAGE (IF FORESEEN) | when pushed it can supply more than 45 L/min. O ₂ | | | | |



01 GAS SELECTOR DETAIL

02 O₂⁺ FLUSH BUTTON DETAIL

03 KNOB DETAIL