

9. Technical & Other Data

Specifications

- a) Single Flowmeter: working pressure: 400 kPa (58psi/4 bar)
- b) Twin Flowmeter: working pressure: 400 kPa (58psi/4 bar)

Inlet Fittings

All Single and Twin Flow meters are available with either a BS Standard Probes or Nut type fitting (AFNOR & DIN fittings are also available)

Calibration Range

All Flow meters are factory calibrated to ±10% of the full scale reading

Warranty

Each unit comes complete with a manufacturer's 7 Year warranty.

10. Accessories and Replacement Parts

	Product Code
a) Adult Oxygen Face Mask:	IS1106
b) Pediatric Oxygen Face Mask:	IS1140
c) Delivery Tube:	IS1174
d) Humidifier Adapter:	SP554
e) Humidifier Bottle Assembly:	H110
f) Tubing Nipple:	SP46
g) Air Safety Shield	FM0001 (Female); FM0002 (Male)
h) Service Kit	SKF6-02: SKF6-AIR

11. MR Conditional

A spatial field gradient of 47.7 T/m (= 4770 G/cm) has been determined to give rise to a 45° deflection angle (extrapolated) based on the measurements made a 3T MRI scanner according to ASTM F2052-15.



Consult Instructions for use



Fragile – Handle package carefully



Product should be kept dry



Temperature limitation 0° - 40°C



Refer to instructions for use



MR Conditional

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Medical Device Management Ltd Block B, The Crescent Building, Northwood, Santry, Dublin 9, D09 C6X8, Ireland		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px 5px;">EC</td> <td style="padding: 2px 5px;">REP</td> </tr> </table>		EC	REP
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F2600 Series Pipeline Flowmeter



Single Flowmeter
With Probe

Safety Air Shield



Instructions for use
Made in the UK



1. Introduction

The Oxylitre F2600 series (Pressure Compensated) Flowmeter has been designed specifically for medical use and conforms to the requirements of BS EN ISO 15002, BS EN ISO 14971, BS EN ISO 15001 and the 93/42/EEC European Medical Device Directive (Class IIa device). Products are available in either Single or in Twin Flowmeter configurations and for use with Oxygen or Medical Air. The devices are constructed with a Super Tough Nylon body and with an easy to read ball type flow indicator tube calibrated in litres per minute.

2. Specifications

Inlet Connection

Flowmeter gas probe connectors comply with the BS & European Standards for the Safety Prevention of connecting an incorrect gas. Flowmeters that are fitted with 3/8 BSP Nut connectors are specifically for the attachment to Oxylitre R1610 series Regulators.

Outlet Connection

The units are fitted with a universal sized tubing connector that will accept most types of delivery tube. Flowmeters can be directly attached to a Humidifier Bottle Assembly; the tubing connector (SP46) can be removed for this purpose.

Filters

The Flowmeter is fitted with an integral filter, which protects the device and the patient from receiving any foreign matter.

Please Note: The filters are replaceable by qualified technicians only.

Gas Supply

The F2600 Series Flowmeter has been designed to operate from a gas supply of 400 kPa (4 bar/58 psi) of pressure.

Accuracy

The Flowmeters are factory calibrated to an accuracy of $\pm 10\%$ of the full-scale reading at a temperature of 20°C. The readings on the inner tubes have been calibrated with a pressure source 400 kPa i.e. maximum operating conditions.

GMDN Code: 37132 (Oxygen therapy flowmeter)

3. Flowmeter Set-up

Caution: Before use, the Flowmeter must be inspected for any obvious damage such as cracks and broken parts.

Ensure that the Flowmeter has been tested for any detectable leaks. Qualified servicing personnel only should perform this.

Attention: NO leaks are permissible on the device.

Before connecting the Flowmeter to a pressurised gas supply, ensure that the Flowmeter has been fully shut off. This is achieved by turning the control knob clockwise until it is shut off.

4. Flowmeter Inspection & Test Procedure

(Always carry out before patient use)

The following Flowmeter inspection and test procedure must be carried out prior connection to a patient therapy device. Please complete the "Flowmeter Set Up" procedure in section "3".

- Connect the pressure Flowmeter into the appropriate gas outlet (Identified on the product label) and ensure that the unit is securely locked into the outlet.
- With the Flowmeter fully shut off ensure that the Flowmeter Ball rests on the bottom of the Inner Tube without any movement.
- Turn the control knob anti-clockwise to increase the gas flow and until the Flowmeter Ball reaches the "Flush" indicator. Keep it at this point for approximately 2 seconds, this test ensures that the gas flow can be obtained. Turn the Control Knob clockwise and shut off the gas supply.

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- Select the litre flow that will be required for patient therapy. Turn the control knob Anti-clockwise until the Flowmeter Ball reaches the selected gas flow rate. The calibrated markings are to be read at the centre of the ball. Ensure that the Flowmeter Ball does not fluctuate.
- Turn the control knob clockwise fully to shut off the gas flow.

5. Patient Therapy

a. Ensure that the Flowmeter test and inspection procedure has been carried out in section 4 prior to use.

- Attach the therapy device (i.e.; tubing or humidifier bottle with mask etc.) to the outlet fitting.
- Turn the control knob anti-clockwise until the selected gas flow rate is reading at the centre of the ball.
- During the patient administration periodically check the flow rate is reading the selected flow.

Caution: Due to possible in-line restrictions the gas the flow rate may require re-adjustment.



Always Read from the centre of the ball



6. Fire and Explosion Safety Warnings

DO NOT use any grease or oil within Oxygen filled environment, as these substances are combustible in the presence of Oxygen.

DO NOT use an Oxygen Flowmeter within an environment where the gas may be exposed to any naked flames, sparks, cigarettes/cigars or any open electrical appliances. This precaution applies during and after a reasonable period of patient administration.

7. Maintenance

A Medical Flowmeter forms part of an essential support system. Flowmeters must be treated with care and be serviced on a regular basis, (i.e. preventative maintenance) to ensure the unit's reliability and quality for the intended purpose. Clean outer surfaces with a propriety diluted mild non-alkaline disinfectant/detergent or wipe (always read and follow manufacturer's instructions, especially noting material compatibility).

Caution: it is important to note that the Polycarbonate used in the Flowmeter Tube Cover, Tubing Nipple and Control Knob is degraded by alkaline solutions, ammonia gas and its solutions, and amines.

Inspection

Recommended at least annually by a Service Engineer and consist of:

- Leak Test
- Calibration Check

Service/Repair

Fully qualified technicians should only carry out servicing.

Attention: A Major Service is recommended every 5 years. For service/repair enquiries and information, please contact our sales office.

Warning: NEVER USE FAULTY EQUIPMENT. Preventative maintenance ensures safety for the patient and user.

8. Warning: (General)

- DO NOT** use a Flowmeter if any damage has been detected (i.e. any cracks and/or damage to any plastic components, loose fittings etc). It may cause possible injury when the unit becomes pressurised.
- Always carry out the test and inspection procedure before use.** If a Flowmeter fails the test and inspection the unit will require servicing or repair.
- The Flowmeter should only be used with the flow tube in an upright position.
- DO NOT** apply any labels to the outer plastic case.