ACARE
Acare Technology Co., Ltd.

Medical Flowmeter

FA Series

OPERATING and MAINTENANCE INSTRUCTIONS

IMPORTANT

PLEASE READ THOROUGHLY AND FOLLOW DIRECTIONS CAREFULLY BEFORE OPERATING EQUIPMENT.

FDA CE 2460 **GMP** ISO 13485 CERTIFIED

● NOTICE

DO NOT permit untrained persons to install, operate or maintain this equipment. **DO NOT** attempt to install or operate this equipment until you have read and fully understand these instructions. If you do not fully understand these instructions, contact your **Acare** distributor for further information.

⚠ **CAUTION:** For medicinal use the law restricts this device to use by or on the order of a physician.

⚠ **WARNING: USE NO OIL!**

Oxygen is a non-flammable gas, however, oxygen substantially increase its risk to become flammable materials when combined with oxygen, oil, grease and other hydrocarbons. These materials should never be used or applied on any part of the oxygen flowmeter or other equipment used with oxygen.

DO NOT smoke in the area where oxygen is in use.

● GENERAL

Acare flowmeters are intended to be used with a 345 kPa (50 psi) gas source. **NEVER** attempt to attach a flowmeter directly to a cylinder.

● Operation

It is very important to keep product in original packaging for 12-24 hours to acclimatize to room temperature before use.
The operating and storage temperature for the Flowmeter should reflect typical environmental limits: -18°C ~ 60°C (0°F~140°F)
Recommended environmental limits: -15°C ~ 29°C (59°F~84°F)
Storage environmental limits: -40°C ~ 60°C (-40°F~140°F)
Humidify : Max 95% non condensing

● Disposal Instructions

Dispose of the Product in accordance with the local Flowmeter.

Please Recycle

⚠ **WARNING**
Product should be cleaned before being disposed of. Potential for Biohazard.

● OPERATION

Figure 1

Correct Incorrect

1. Attach flowmeter to a 345 kPa (50 psi) gas source. Ensure flowmeter is in a vertical position (See figure 1).
2. Turn control knob counter-clockwise to begin and increase flow.
3. Adjust to desired flow setting. Take reading at center of ball.
4. Turn control knob clockwise to decrease and stop flow. Do not tighten control knob.

● SPECIFICATIONS

Flowmeter Inlet	Female 1/8" NPT, A Quick Adaptor, or others
Flowmeter Outlet	Male 9/16" UNF, Male BSP 3/8", or others

Different types of inlet quick adaptors can be selected :
- Ohmeda® / Ohio® / Diamond®
- Kawasaki / JIS
- Oxequip®
- Puritan-Bennett®
- DISS
- Chemetron®
- Germany Standard (DIN)
- British Standard (BS)
- French Standard (AFNOR)
- Australia Standard (CIG)

Flowmeter connector or humidifier can be installed with flowmeter outlet.

● MAINTENANCE AND REPAIR

Cleaning - Flowtube and cover are made of polycarbonate material. Solvents and cleaning solutions may seriously affect the strength and transparency of the material. Use only cleaning solutions recommended by the manufacturer. If cleaning of the unit is desired, the exterior surfaces can safely be wiped off with a clean, lint-free cloth and isopropyl alcohol.

Maintenance - This unit should be periodically checked and repaired, if necessary, or when malfunction is suspected or occurs.

Repairs - Repairs must be performed by a qualified equipment repairman.

● Mark

Green: For Oxygen use
Yellow: For Air use

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