# SAM DXYFLOW RANGE

## DATA SHEET

A high quality range of pipeline Oxygen and Medical Air Flowmeters for Hospital and Medical environments incorporating Firesafe™ Technology





CE 0120

The new SAM OXYFLOW range of Pipeline Firesafe™ Flowmeters have been designed to precisely control the flow of medical oxygen or medical air (subject to model) from a low pressure supply. All Flowmeters are back pressure compensated and are fitted with a Flowsafe™ Valve which automatically isolates the oxygen flow in the event of the flow tube being sheared from the flowmeter body, preventing a free flow of oxygen into the hospital ward. The Flowsafe™ Valve maintains pipeline pressure, removing the need to isolate the ward oxygen supply, upon which other patients maybe dependent.

The range has been specifically developed for the acute hospital setting and can be supplied in Single and Double configurations.

MGE

# SAM DXYFLOW RANGE

## DATA SHEET

### **Key Benefits of SAM Flowmeters**

- · Back pressure compensated
- Fitted with a Flowsafe™ Valve to automatically isolate the oxygen flow in the event of the flow tube being sheared.
- Use a Precision Float with a fluted rim that continuously rotates in the gas stream to provide an accurate reading and visual confirmation that gas is flowing.
- Fitted with Firesafe<sup>™</sup> Nozzles, minimising the known risks of fire associated with oxygen therapy. The Firesafe™ Nozzle can limit the impact of an oxygen fire by acting like a fuse and automatically arresting and isolating the oxygen supply.

## SAM OXYFLOW

#### SINGLE - REMOTE \ DIRECT

**Nominal Inlet Pressure** 

400 kPa

Flow rate Maximum flow 1 - 15 l/min (flush flow mode): 25-30 I/min

Accuracy

+/- 10% of indicated reading

**Inlet Connection** 

BS5682 25 um

Inlet Filtration

Outlet Connection Barb to EN 13544-2 (6mm tube)

Model

SAM Oxyflow SD

Direct - Wall\Probe mounted **SAM Oxyflow SR** Remote - Rail mounted (1.5m)



## SAM DXYFLOW

#### Double - Remote \ Direct

Nominal Inlet Pressure

400 kPa

Flow rate

1 - 15 l/min

**Maximum flow Accuracy** 

(flush flow mode): 25-30 I/min +/- 10% of indicated reading

Inlet Connection

BS5682

Inlet Filtration

25 µm

Outlet Connection Barb to EN 13544-2 (6mm tube)

Model

**SAM Oxyflow DD** 

Direct - Wall\Probe mounted

**SAM Oxyflow DR** Remote - Rail mounted (1.5m)



## SAM AIRFLOW

#### SINGLE - DIRECT ONLY

**Nominal Inlet Pressure** 

400 kPa

Flow rate

1 - 15 I/min

Maximum flow

(flush flow mode): 25-30 I/min +/- 10% of indicated reading

Accuracy

AS2902

**Inlet Connection** Inlet Filtration

25 µm Outlet Connection Barb to EN 13544-2 (6mm tube)

Model **SAM Airflow SD** 

Direct - Wall\Probe mounted



### SAM AIRFLOW

#### DOUBLE - DIRECT ONLY

**Nominal Inlet** 

400 kPa

Pressure

1 - 15 l/min

Flow rate Maximum flow

(flush flow mode): 25-30 l/min

Accuracy

+/- 10% of indicated reading

**Inlet Connection** Inlet Filtration

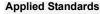
AS2902 25 µm

Outlet Connection Barb to EN 13544-2 (6mm tube)

Model

**SAM Airflow DD** 

Direct - Wall\Probe mounted



Applied Standards EN ISO 15002:2008 - Flow-metering devices for connection to terminal units of medical gas pipeline systems AS2896:2011 Medical gas systems - Installation and testing of non-flammable medical gas pipeline systems

Regulatory

EC: MDD Class IIa Medical Device

