

SAM OXYFLOW RANGE

DATA SHEET

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



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.

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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™ 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	1 - 15 l/min
Maximum flow	(flush flow mode): 25-30 l/min
Accuracy	+/- 10% of indicated reading
Inlet Connection	BS5682
Inlet Filtration	25 µm
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 OXYFLOW DOUBLE - REMOTE \ DIRECT

Nominal Inlet Pressure	400 kPa
Flow rate	1 - 15 l/min
Maximum flow	(flush flow mode): 25-30 l/min
Accuracy	+/- 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 l/min
Maximum flow	(flush flow mode): 25-30 l/min
Accuracy	+/- 10% of indicated reading
Inlet Connection	AS2902
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 Pressure	400 kPa
Flow rate	1 - 15 l/min
Maximum flow	(flush flow mode): 25-30 l/min
Accuracy	+/- 10% of indicated reading
Inlet Connection	AS2902
Inlet Filtration	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