

RTM₃ Medical Gas Flowmeters



- Gas specific inlet connections
- Gas colour coded components
- Incorporates durable impact resistant polycarbonate outer and flowtubes
- Sintered inlet filter
- Individual serial number identification
- Flowtube design provides clear readability with large bold print lines and numbering providing 180° visibility
- Optional maximum flow limiting orifice
- TGA Listing

Applications:

- General oxygen therapy
- Paediatric oxygen therapy
- General respiratory care

ORDERING INFORMATION

Model	Gas	Flow	Colour
G0520	Oxygen	0 – 1.5 l/min	White
G8801	Oxygen	0 – 5 l/min	White
G8802	Oxygen	0 – 15 l/min	White
G8803	Oxygen	5 – 30 l/min	White
G8804	Air	0 – 5 l/min	Black
G8805	Air	0 – 15 l/min	Black
G8806	Air	5 – 30 l/min	Black



The RTM₃ flowmeters are pressure compensated flowmeters^{#1} that deliver an accurate prescribed flow of gas to the patient from a regulated pressure gas source. They are suitable for most types of respiratory therapy. They are available for use with oxygen, air, carbon dioxide and carbogen, air/oxy mixture, and in a range of different flow capacities.

All models, except the 1.5 l/min model, have a flush flow feature that allows a flow of approximately 50 l/min when the flow control spindle is wound completely open, (the 1.5 l/min model maximum flow is limited to 6 l/min).

All models can be fitted with an optional maximum flow limiting orifice by adding the suffix **R** after the part number. This orifice will limit the maximum flow from a 5 l/min model to a maximum of 10 l/min, from a 15 l/min model to 22 l/min and from a 30 l/min to 40 l/min.

Specifications:

Inlet Pressure: 450 kPa ±50 kPa

Inlet Fitting: Gas specific sleeve indexed handwheel as per AS2896/ AS2902

Outlet Fitting: 1/4" BSP with colour coded plastic wingnut/barbed nipple

Accuracy: as per AS3840.1^{#2}

Weight: 0.3 kg

Materials:

Body: Chrome plated brass

Shroud: Polycarbonate

Flow tube: Polycarbonate

Knobs: Nylon

Wingnut/Nipple: Nylon

Seals: Nitrile

Ordering with maximum outlet flow orifice, eg **G8802R**, 15 l/min oxygen with maximum flow restrictor

#1 – 1.5 l/min model not back pressure compensated

#2 – AS3840.1 Flow accuracy requirements

± 10% of reading for flows above 2 l/min

+15% -10% of reading for flows more than 0.5 l/min and up to 2 l/min

+20% -10% of reading for flows up to 0.5 l/min

RTM₃ Medical Gas Flowmeters – High Flow



The RTM₃ flowmeter is also available in higher flow models for specific applications requiring that greater flow of gas.

Model	Gas	Flow	Colour
G9310	Oxygen	10 – 70 l/min	White
G9311	Air	10 – 70 l/min	Black
G9309	Variable Air/Oxygen Mix	10 – 70 l/min	Black / White / Chrome

Specifications:

Inlet Pressure: 450 kPa ±50 kPa

Inlet Fitting:

Gas specific sleeve indexed handwheel as per AS2896 / AS2902

Outlet Fitting:

1/4" BSP with colour coded plastic wingnut / barbed nipple

Accuracy: as per AS3840.1 #2

Weight: 0.3 kg

RTM₃ Medical Gas Flowmeters – Special Gas Mixes



The RTM₃ flowmeter is available as a Carbon Dioxide model or a Carbogen (CO₂/Oxygen mixture) for specific medical or research laboratory applications.

Model	Gas	Flow	Colour
G0073	Carbogen (95% Oxy / 5% CO ₂)	0 – 15 l/min	Green Grey
G0074	Carbon Dioxide	0 – 12 l/min	Green Grey

Specifications:

Inlet Pressure: 450 kPa ±50 kPa

Inlet Fitting:

Gas specific sleeve indexed handwheel as per AS2896 / AS2902

Outlet Fitting:

1/4" BSP with colour coded plastic wingnut / barbed nipple

Accuracy: as per AS3840.1 #2

Weight: 0.3 kg



The RTM₃ flowmeter is available for variable Air/Oxygen mixtures to suit the outlets of Air/Oxy Gas Blenders. These flowmeters have a handwheel connection specifically for this gas mix application *. In addition to the flowmeters we also have available the outlet adaptors for existing Air/Oxy Blenders to enable the connection of the flowmeters with the correct AS fitting for Air/Oxy mix.

* Commonly these blenders are supplied in Australia with an Oxygen outlet connection (either Australian SIS or American DISS) which is technically not compliant with AS Standards.

Model	Gas	Flow	Colour
G9294	Variable Air/Oxy Mix	0 – 1.5 l/min	Black / White / Chrome
G9295	Variable Air/Oxy Mix	0 – 15 l/min	Black / White / Chrome
G9309	Variable Air/Oxy Mix	10 – 70 l/min	Black / White / Chrome

Specifications:

Inlet Pressure: 450 kPa ±50 kPa

Inlet Fitting:

Gas specific sleeve indexed handwheel as per AS2896 / AS2902

Outlet Fitting:

1/4" BSP with chromed brass wingnut / barbed nipple

Accuracy: as per AS3840.1 #2

Weight: 0.3 kg

RTM₃ Twin Medical Gas Flowmeters



The RTM₃ flowmeter is also available in a twin setup model. This allows the user to run two flowmeters off the one gas outlet. This is set in "Y" configuration, with each flowmeter operating independently of each other. The standard setup is for oxygen, but it is available for other gases (ie. Air, Carbon Dioxide, Carbogen) upon request.

Model	Gas	Flow	Colour
G0219	Oxygen	0 – 15 l/min	White

Specifications:

Inlet Pressure: 450 kPa ±50 kPa

Inlet Fitting:

Gas specific sleeve indexed handwheel as per AS2896 / AS2902

Outlet Fitting:

1/4" BSP with colour coded plastic wingnut / barbed nipple

Accuracy: as per AS3840.1 #2

Weight: 0.9 kg

Accessories for Medical Gas Flowmeters

Outlet Adaptors

Part No.	Description
G1930	Adaptor, DISS 9/16"-18 Female, 1/4" BSP Male
16592	Adaptor, 1/4" BSP Female, DISS 9/16"-18 Male
A1345-4BSPF	Adaptor, 1/4" BSP Female, Luer Lock Male
G2291	Tapered Adaptor, 1/4" BSP Female, 22mm(M) – 15mm(F)



Tapered Outlet Nipple/Nut Assemblies

Part No.	Description
515830	White (Oxygen) Nipple/Wingnut Assembly, 1/4" BSP Female
515849	Black (Air) Nipple/Wingnut Assembly, 1/4" BSP Female
515866	Grey (Carbon Dioxide / Carbogen) Nipple/Wingnut Assembly, 1/4" BSP Female
11541	Chromed Brass Nipple/Nut Assembly, 1/4" BSP Female
AFXNPL	White (Oxygen) Nipple/Wingnut Assembly, DISS 9/16"-18 Female



Inlet Adaptors

Part No.	Description
G9286	Adaptor Elbow, DISS 9/16"-18 Female Nut & Nipple, Air/Oxy SIS
G9286B	Adaptor Elbow, "Special" Blender Connection, Air/Oxy SIS

