



Medical Oxygen Regulators

- 7 Year Warranty
- Service free over product lifetime
- 0-15, 0-25 & 0-70lpm available
- Luminous gauge face for night use
- Can be manufactured with any international inlet and outlet fittings

There are two main uses for the Meditech range of Medical Oxygen Regulators. Units fitted with a pressure outlet, typically 4 bar (7 bar on request), are used to provide Medical Oxygen to a device which requires an input at this pressure. Primarily, for pneumatically powered medical devices such as a ventilator or Demand Valve, the pressure outlet is supplied in accordance with a national or international standard and there is the potential for a second pressure outlet for use with another item. The second outlet may be to the same national or international standard as the first, or it may be different.

Units fitted with a flow outlet are used to deliver variable flow rates of Medical Oxygen to a patient who requires Medical Oxygen therapy. The patient will be breathing on their own, but may have a need for support perhaps to supply Medical Oxygen enriched air to increase blood oxygen levels. The flow outlet will be either a 'fir tree connector' or a threaded outlet. Flow outlets can be switched between different rates (litres per minute) to 15 lpm, with an optional 'MAX' setting of approximately 25lpm used for system purging. An option to increase the 'MAX' setting to 70lpm is available upon request.

Units are available with both a pressure outlet and a flow outlet and these can be used for either purpose or both simultaneously.



Create a regulator to suit your specific requirements by following the steps below to generate your regulator part number.

STEP 1 Choose the Regulator **BODY TYPE** that you require.
Decide if you want Brass or Aluminium.

STEP 2 Choose the **TYPE** of Oxygen Pressure **INLET** that you require.

STEP 3 Choose the **TYPE** of Oxygen Pressure **OUTLET** that you require.

STEP 4 Choose **HOW MANY** Oxygen Pressure Outlets that you need for your Regulator.

STEP 5 Decide if you want your Regulator to have **OXYGEN THERAPY**, and if so, choose what **TYPE**.

4 BAR OXYGEN REGULATOR PART NUMBERING SYSTEM

For other gases, please contact a member of our sales team

Basic Regulator Type:

BRASS - 55B

- 677 – Pin Index regulator with therapy
- 678 – Pin Index regulator with no therapy
- 679 – 55B International (nut fitting) therapy regulator
- 680 – 55B International (nut fitting) non-therapy regulator

ALUMINIUM – 55SL

- 777 – Pin index regulator with therapy
- 778 – Pin index without therapy
- 779 – 55SL international (nut fitting) therapy regulator
- 780 – 55SL international (nut fitting)

Type of Outlet:

- 00 = (therapy only)
- 01 = BS5682 BS Schrader (UK)
- 02 = DISS 1240 (USA)
- 03 = AGA SS875 24 30:2004
- 04 = DIN 13260-2:2004
- 05 = AFNOR NF S90-116:2020 (French)
- 07 = SIS (sleeve index system) (AUS)
- 08 = MA4?
- 19 = HOSE BARB 1/4"
- 20 = CZECH
- 21 = OHIO

Number of Outlet Fittings:

- 0 = None (Therapy ONLY)
 - 1 = One (to Front)
 - 2 = Two
 - 3 = One (to Rear)
- NOTE: Front Outlet is adjacent to Gauge



To create a Pin-Index Articulating Yoke Regulator, start the Product Code with
679-00 - 55B
779-00 - 55SL

Type of inlet:

- 00 = Pin index BS EN ISO407:2021 (CGA 870, USA)
- 01 = Bullnose (UK)
- 02 = Bullnose (Benelux)
- 03 = W21.8 1/14th
- 04 = DINN 477 (G 3/4")
- 05 = CGA540 (USA)
- 15 = DIN 477 (G3/4") - SHORT

Maximum Therapy Flow Rate:

- 0 = Therapy flows 0-15lpm (fir tree connector)
- 0 = No therapy (use 0 also)
- 1 = Therapy flows 0-25lpm (fir tree connector)
- 2 = Therapy flows 0-15lpm (Threaded connector 9/16" – 18 for humidifier)
- 3 = Therapy flows 0-25lpm (Threaded connector 9/16" – 18 for humidifier)
- 4 = 1/4 "HOSE BARB therapy flows 0-15lpm
- 5 = 1/4 "HOSE BARB therapy flows 0-25lpm
- 6 = therapy flow 0-70lpm (threaded connector 9/16" – 18 for humidifier)
- 7 = 0 – 70 lpm (fir tree)
- 8 = 3/8 BSP 0 – 15 lpm
- 9 = 3/8 BSP 0-25 lpm



INLET TYPES



PIN INDEX



BULLNOSE



BENELUX BULLNOSE



W21.8 1/4"



DIN 477 (G 3/4")



CGA540



Pin Index Yoke
Articulating



OUTLET TYPES



BS SCHRADER



DISS



DIN



AGA



AFNOR



SIS



CZECH



UNIFOR



OHIO



THERAPY TYPES



FIR TREE



3/16" THREADED
THERAPY CONNECTOR



3/8" BSP THREADED
THERAPY CONNECTOR



1/4" BARB

For further information or requirements regarding our International Regulators, please contact a member of the sales team.

SPECIFICATION

Rated Inlet Pressure:	200 bar
Rated Outlet Pressure:	4 bar (400 kPa)
Standard Discharge:	50lpm (litres per minute)
Variation of OUTLET pressure when INLET pressure is varied at a flow of 50lpm:	4%
Storage temperature range:	-40°C to +60°C
Operating temperature range:	-20°C to +60°C
Intended Life:	10 Years
Service Interval:	Service free over product life time
Warranty Period:	7 years



Oxygen Therapy Option:

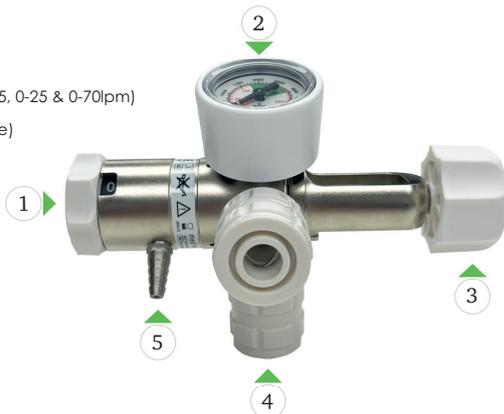
For regulators with a Therapy Outlet Flow Selector, the figures represent the flow rate from the 'therapy outlet' in litres per minute (lpm). These figures are subject to a tolerance of $\pm 30\%$ for flow rates of 1.5lpm or less and $\pm 20\%$ for flow rates of 1.5lpm or more. Oxygen Therapy is easily chosen by rotating the 'Therapy Flow Rate Selector'. The flow rate is indicated in the display window. Therapy flow rates shown below:

- 0-15lpm models: 0, 1/2, 1, 2, 3, 4, 6, 8, 10 and **MAX** 15 litres per minute
- 0-25lpm models: 0, 1/2, 1, 2, 3, 4, 6, 8, 10, 15 and **MAX** 25 litres per minute
- 0-70lpm models: 0, 10, 20, 30, 35, 40, 50, 55, 60 and **MAX** 70 litres per minute



Oxygen at the chosen flow is discharged from the therapy outlet. The therapy outlet is designed so that plastic oxygen tubing can be securely held in place on the barbed fir tree style connector. Alternatively, a threaded 9/16th connector, 3/8" BSP or 1/4" NIST BARB can be used for attaching a humidifier or other accessory.

- 1 Therapy Flow Rate Selector & Indicator (0-15, 0-25 & 0-70lpm)
- 2 Pressure Gauge (Luminous face for night use)
- 3 Regulator Inlet 4BAR (Pin Index)
- 4 Outlet 4 Bar (BS Schrader)
- 5 Therapy Outlet Connector



Meditech Gauges:

Designed for high visibility, in daylight and with a luminous face for night use. The gauge needle spans over 180 degree between 200 bar and zero, clearly indicating the pressure. The gauge also features coloured segments; green indicating the range of full cylinders and red for empty. The energy release to the rear of the gauge enhances user safety. A rubber protective boot surrounds the gauge for added protection against damage.

TO PURCHASE OR FOR FURTHER DETAILS:
Contact us by email or telephone for more details, including specific part numbers, prices, etc.

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medITECH
 MEDICAL GAS EQUIPMENT

Distributor:

Meditech Regulators are CE marked in accordance with the European Medical Devices Directive 93/42/EEC and UKCA marked accordance with the UK Medical Devices Regulations 2002. All items in this range are sold with a return to manufacturer warranty against manufacturing defects. These products are part of a series of medical gas and resuscitation products available from B.N.O.S. Meditech. If the product you require is not shown here, or if you require more information, please contact your distributor or contact us directly. Specifications may be subject to change without notice.

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