

The Vital Medical Oxygen Regulator Bullnose (VM-OXRBN) is a medical-grade pressure regulator for bullnose-fitting oxygen cylinders. Lightweight aluminium body, flow rates 0-15 L/min with 12-level adjustment, outlet pressure 50PSI. Certified ISO 13485, CE, FDA, and ASTM G175-03.

What Is a Bullnose Oxygen Regulator?

The VM-OXRBN (MDC-BN) is a medical oxygen pressure regulator designed for South African bullnose-style oxygen cylinder connections. It reduces the high-pressure gas from the cylinder to a safe, controlled working pressure (50PSI outlet), from which flow is adjusted by the clinician using a 12-position flow control dial calibrated from 0 to 15 L/min. The bullnose connection is the standard cylinder outlet used on large medical oxygen cylinders in South African hospitals, ambulance services, and primary healthcare facilities.

Flow Range and Clinical Applications

With 12 adjustable flow levels from 0 to 15 L/min, the VM-OXRBN covers the full spectrum of medical oxygen therapy: low-flow nasal cannula therapy (1-4 L/min), simple face mask (5-10 L/min), non-rebreather mask (10-15 L/min), nebulisation (6-8 L/min), and oxygen-driven resuscitator use. The regulator can connect to barb outlets for standard oxygen tubing or DISS connections where required.

Construction and Certification

The VM-OXRBN features a lightweight anodised aluminium body that resists corrosion and is significantly lighter than brass alternatives – important for portable oxygen cylinder use. It is certified to ISO 13485 (medical device quality management), CE (European conformity), FDA (US Food and Drug Administration), and ASTM G175-03 (oxygen compatibility testing) – providing full assurance of safety for medical oxygen service.

Technical Specifications

Specification	Detail
Specification	Value
Model	MDC-BN (Bullnose)
Connection	Bullnose (South African standard)
Flow Range	0 ? 15 L/min (12 adjustment levels)
Outlet Pressure	50 PSI
Body Material	Lightweight anodised aluminium
Outlet Type	Barb or DISS
Certifications	ISO 13485, CE, FDA, ASTM G175-03
Application	Medical oxygen therapy, nebulisation, resuscitation

SKU: VM-OXRBN