

The Bullnose Oxygen Regulator 0-15 L/min (VM-OXRBN) is a medical oxygen pressure regulator (model MDC-BN) for South African bullnose-style oxygen cylinder connections. It reduces high-pressure cylinder gas to a controlled 50 PSI outlet pressure, with flow set by a 12-position dial calibrated from 0 to 15 L/min. It has a lightweight anodised aluminium body and a barb or DISS outlet. It is certified to ISO 13485, CE, FDA and ASTM G175-03. Available in South Africa from Vital Medical.

What Is a Bullnose Oxygen Regulator?

The VM-OXRBN (MDC-BN) is a medical oxygen pressure regulator designed for South African bullnose-style cylinder connections. A regulator reduces the high-pressure gas inside the cylinder to a safe, controlled working pressure, in this case a 50 PSI outlet. The clinician then sets the delivered flow with a 12-position flow control dial calibrated from 0 to 15 L/min. The bullnose connection is the standard cylinder outlet 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 range of medical oxygen therapy. This includes low-flow nasal cannula therapy at 1 to 4 L/min, simple face mask therapy at 5 to 10 L/min, non-rebreather mask therapy at 10 to 15 L/min, nebulisation at 6 to 8 L/min, and oxygen-driven resuscitator use. The regulator connects to barb outlets for standard oxygen tubing, or to DISS connections where required. This makes it suited to wards, emergency response, clinics and community health settings.

Construction, Certification and Availability

The MDC-BN has a lightweight anodised aluminium body that resists corrosion and is significantly lighter than brass alternatives, which matters for portable 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), which supports its suitability for medical oxygen service. Available in South Africa from Vital Medical, the VM-OXRBN is a practical choice for hospitals, ambulance services and primary healthcare facilities that use bullnose cylinders.

TECHNICAL SPECIFICATIONS TABLE

Specification	Detail
SKU	VM-OXRBN
Model	MDC-BN (Bullnose)
Connection	Bullnose (South African standard)
Flow range	0 to 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

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