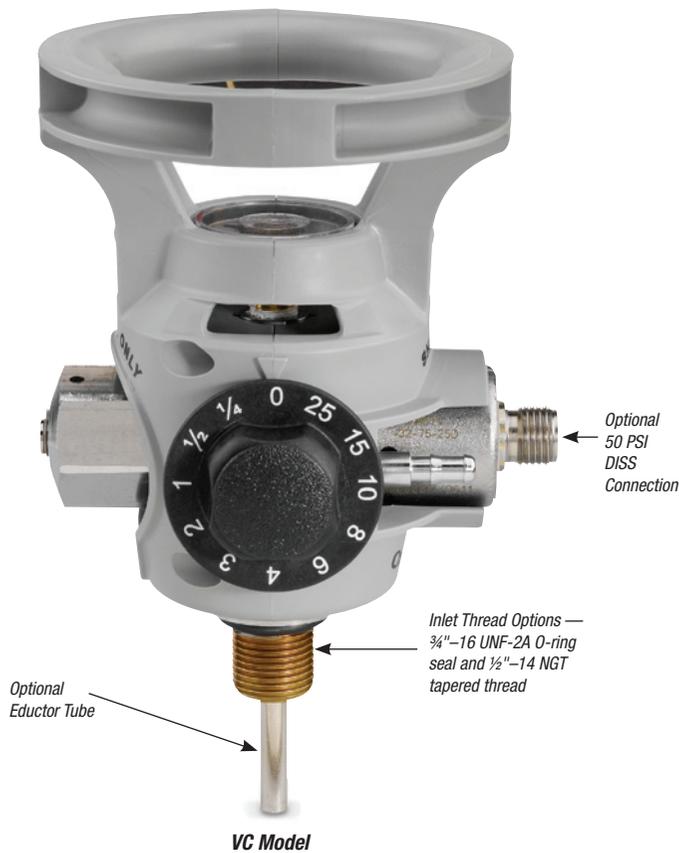


OxyGen I Series

Oxygen Valves with Integrated Pressure Regulators



Key Features & Benefits

Compact, Easy-to-Use Design

- Designed for ambulatory service applications, combines on/off with reduced pressure for direct patient care
- A 35% lower profile than comparable models provides more efficient racking and storage capabilities
- 15 to 25% lighter weight than comparable models
- Ergonomically designed shroud with carrying handles improves mobility and reduces user fatigue
- Shroud circumference is sized to fit within the footprint diameter of standard Medical-E cylinders
- Pressure gauge located at the top of the unit is clearly visible and protected by the shroud handle

Reliable, Quality Product

- Tested and meets all known tests for MRI-compatible components used in conjunction with a magnetic resonance imager for Level 3 Tesla requirements
- Flow rate accuracy within $\pm 10\%$ of dial setting
- Regulator adjustment knob with positive flow detents guards against inadvertent flow setting changes
- Inspection windows in the shroud permit convenient leak inspection
- All units are 100% helium leak tested
- Each unit is assigned a unique serial number for positive identification and tracking
- Fill and evacuation rates are equivalent to standard post medical valves and deliver substantial time and money savings on the fill line
- Shroud is made of a durable, high-performance nylon ABS polymer blend and exhibits excellent chemical and UV resistance
- Cleaned for oxygen service and oil free per ASTM G-93

Variety of Configurations

- Available in both Check Valve and Shut-Off Valve configurations
- DISS outlet connections are available in all configurations
- Available in Standard Flow for hospital and pediatric applications, and High Flow for EMS/EMR applications

Design Specifications		
	English	Metric
Fill Connection	CGA 540	
Outlet Connection	Barbed Fitting for 1/4" I.D. Hose	
PRD Torque	50–65 in.-lbs.	5.6–7.3 N-m
Barbed Fitting Torque	15–20 in.-lbs.	1.7–2.2 N-m
Bonnet Torque	13–15 ft.-lbs.	17.6–20.3 N-m
Orifice Assembly Torque	25–35 in.-lbs.	2.8–4 N-m

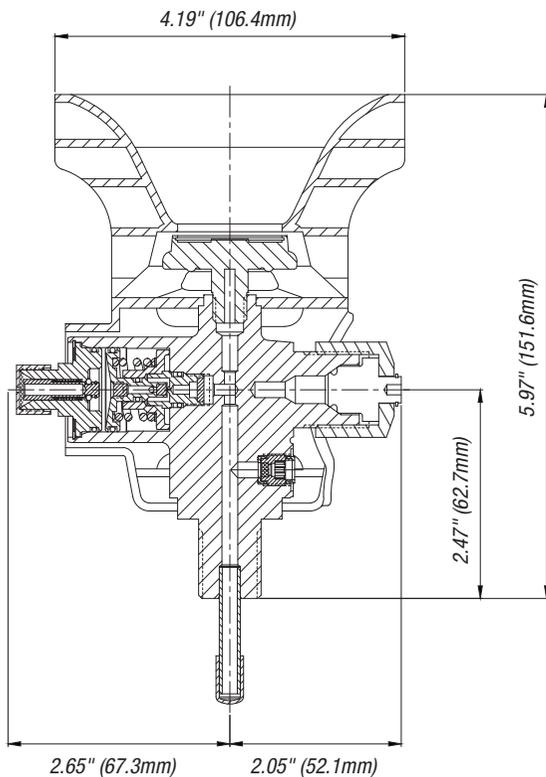
Flow Ranges			
Model	Flow Range	Flow Adjustments	Applications
Standard Flow	0–15 LPM	0, 1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 12, 15 LPM	Hospital/Pediatrics
High Flow	0–25 LPM	0, 1/4, 1/2, 1, 2, 3, 4, 6, 8, 10, 15, 25 LPM	EMS/EMR

OxyGen I Series

Oxygen Valves with Integrated Pressure Regulators — Model V (Fill Shut-Off Valves)



V Model



VRAM4TV-32-15D

Key Features & Benefits

- Flow control knob also acts as the principal shut-off device
- Single-control operational design is easy to use and therapist friendly
- Standard CGA 540 fill connection

Ordering Information Model V Version				
Sherwood Part Number	DISS Connection	Flow Setting	Fill Connection	Inlet Connection
<i>OxyGen I Series Model V Fill Shut-Off Valves Unplated without Tube</i>				
VRM5V-32-75-15	—	0–15 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
VRM5V-32-75-15D	√	0–15 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
VRM5V-32-75-25	—	0–25 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
VRM5V-32-75-25D	√	0–25 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
<i>OxyGen I Series Model V Fill Shut-Off Valves Plated with Tube</i>				
VRAM5TV-32-75-15	—	0–15 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
VRAM5TV-32-75-15D	√	0–15 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
VRAM5TV-32-75-25	—	0–25 LPM	CGA 540	¼"–16 UNF-2A Aluminum Cylinder
VRAM4TV-32-15	—	0–15 LPM	CGA 540	½" NGT Steel Cylinder
VRAM4TV-32-15D	√	0–15 LPM	CGA 540	½" NGT Steel Cylinder
VRAM4TV-32-25	—	0–25 LPM	CGA 540	½" NGT Steel Cylinder

OxyGen I Series

Oxygen Valves with Integrated Pressure Regulators — Model VC (Master Shut-Off Valve)



VC Model

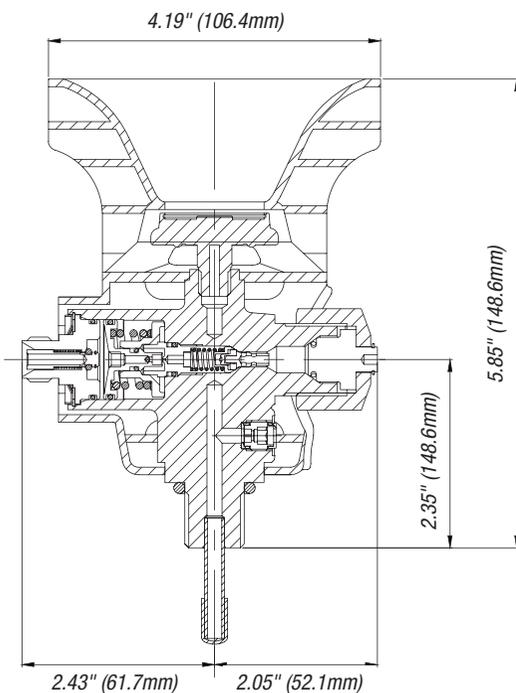
Key Features & Benefits

- Check valve design prevents pressure to the fill connection during therapy applications
- Master Shut-Off Valve isolates pressure from both the regulator and hose barb connection
- Protective shroud shields the Master Shut-Off Valve from unintended operation of the handwheel

Ordering Information Model VC Version

Sherwood Part Number	DISS Connection	Flow Setting	Fill Connection	Inlet Connection
<i>OxyGen I Series Model VC Master Shut-Off Valves</i>				
VRAM5TVC-32-75-15	—	0–15 LPM	CGA 540 Check Valve	¼"–16 UNF-2A Aluminum Cylinder
VRAM5TVC-32-75-15D	✓	0–15 LPM	CGA 540 Check Valve	¼"–16 UNF-2A Aluminum Cylinder
VRAM4TVC-32-15	—	0–15 LPM	CGA 540 Check Valve	½" NGT Steel Cylinder
VRAM4TVC-32-15D	✓	0–15 LPM	CGA 540 Check Valve	½" NGT Steel Cylinder

NOTE: 32 in Part Number = 2015 Working Pressure, 3360 PSI standard Pressure Relief Device (PRD). Use TL2051VC fill tool for Master Shut-Off Valve.



VRAM5TVC-32-75-15D



VC Model: Filling process requires a special 540 connection tool to override the back check mechanism (Part Number TL2051VC, shown here)