

VIPROXY®

Valve with Integrated Pressure Regulator for medical OXYgen



Oxygen Therapy VIPRs by Cavagna Group



VIPROXY® i-1touch

- Digital pressure indicator for an overview of all measured parameters
- Easy upgrade to the IoT version with a simple add-on
- Remote monitoring of the device status
- Optimized management of the cylinder fleet



 intelligent
innovative
interconnected

The management of medical oxygen becomes smarter for both cylinder distributors and patients thanks to VIPROXY® i-1touch.

VIPROXY® i-1touch can be equipped with an **optional IoT add-on** that makes it an IoT device **when needed**.

Thanks to an **electronic IoT module** and its related **software OTUS**, this innovative valve allows an **easy remote monitoring** of all connected devices and the **secure collection of the values** they are able to measure and transmit.

Otus
The Cavagna Group Digital Platform

Technical features

- Suitable for up to 300 bar oxygen working pressure (4351 PSI)
- Digital pressure indicator available with bar or PSI scales and backlit dial
- Non return valve in the filling port
- Total weight with protection guard: 1,9 Kg ~ (for the fully equipped version)
- Conforming to all of the requirements of EN ISO 10524-3
- CE and π marked according to Medical Devices Regulation (MDR) and Transportable Pressure Equipment Directive (TPED)
- MRI conditional certified up to Tesla 3
- Conforming to the ASTM G175 phase 2 (up to 300 bar) (PILL test)
- Estimated minimum battery life span: 4 years (for the IoT version)
- Pressure indicator IP Rate: 65
- Integrated hospital bed hanging device

Optional features

- IoT electronic board compliant to Radio Equipment Directive (RED)
- Protection guard conforming to EN ISO 11117
- Configuration customizable with 1 or 2 outlets. Hose barb for 1/4" I.D. Pressure outlet connection with pressure fixed at 4 bar or 50 PSI
- Anti-filling device in the filling port
- Bursting disc device

Components

- Low torque non rotating spindle shut off valve with position flow setting knob
- Residual pressure device
- Anti-dust brass tube
- Piston pressure regulator with integrated low pressure relief device



VIPROXY® 1touch

- ALL-IN ONE solution
- Compact and light design
- Simplified emergency oxygen supply
- Durable and user-friendly

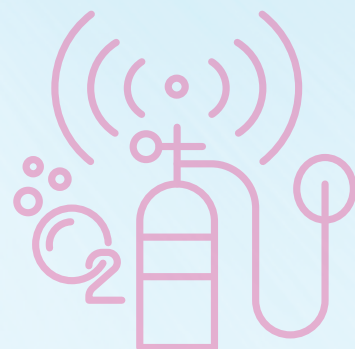


1 turn motion touch

In the VIPROXY® 1touch the **oxygen regulator and the gas supply valve** are enduringly combined **as one system**.

Thanks to its low torque non rotating spindle shut off valve with an integrated position flow setting knob, **a single motion is enough to get the entire system working perfectly, including flow regulation.**

VIPROXY® 1touch is suitable **for different types of mixtures** such as: oxygen, oxygen and nitrous oxide mixture, air and oxygen helium mixture.



Technical features

- Suitable for up to 300 bar oxygen working pressure (4351 PSI)
- Active pressure indicator available with PSI or bar scales and fluorescent dial
- Non return valve in the filling port
- Total weight with protection guard: 1.500 gr (for the fully equipped version)
- Conforms all the requirement of EN ISO 10524-3
- CE and π marked according to Medical Devices Regulation (MDR) and Transportable Pressure Equipment Directive (TPED)
- MRI compatible certified up to Tesla 3
- Conforming to the ASTM G175 phase 2 (up to 300 bar) (PILL test)

Optional features

- Integrated hospital bed hanging device
- Protection guard conforming to EN ISO 11117
- Non-active pressure indicator
- Configuration customizable with 1 or 2 outlets. Hose barb for 1/4" I.D. Pressure outlet connection with pressure fixed at 4 bar or 50 PSI
- Antifilling device in the filling port
- Filling port protection nut
- Bursting disc device
- Excess flow device
- Special smart filter

Components

- Low torque non rotating spindle shut off valve with position flow setting knob
- Residual pressure device
- Anti-dust brass tube
- Piston pressure regulator with integrated low pressure relief device



VIPROXY®

NOVA

- ALL-IN ONE solution

- Lightweight & Compact

- High flow accuracy

- High performance



VIPROXY® NOVA is an integrated valve for oxygen therapy, combining both the regulator and the supply valve into a single solution with **one control knob**.

Thanks to its **lightweight** design and **compact size**, it is easy to handle and transport. Moreover, the slightly inclined position of the **pressure indicator** makes it easier to read and monitor the values. **VIPROXY® NOVA** offers **high performance** and excellent **precision in flow** management and monitoring, confirming itself as an effective and reliable solution.



Technical features

- Suitable for up to 300 bar oxygen working pressure (4351 PSI)
- Active pressure indicator available with PSI, bar or MPa scales and fluorescent dial
- Non return valve in the filling port
- Total weight with protection guard: ~1.450 gr (for the fully equipped version)
- Conforms all the requirement of EN ISO 10524-3
- CE and π marked according to Medical Devices Regulation (MDR) and Transportable Pressure Equipment Directive (TPED)
- MRI compatible certified up to Tesla 3
- Conforming to the PILL test ASTM G175 (up to 300 bar)

Optional features

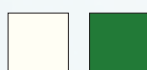
- Protection guard conforming to EN ISO 11117
- Non-active pressure indicator
- Configuration customizable with 1 or 2 outlets. Barbed fitting for 1/4" I.D. Pressure outlet connection with pressure fixed at 4 bar or 50 PSI
- Bursting disc device

Components

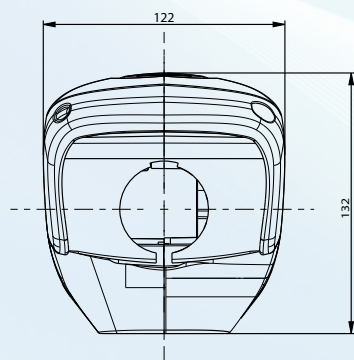
- Low torque non rotating spindle shut off valve with position flow setting knob
- Dual outlet: hose barb and fixed high pressure
- Residual pressure device
- Compensated diaphragm pressure regulator with integrated low pressure relief device



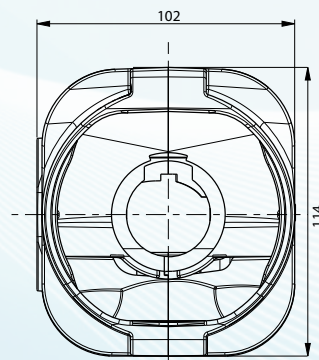
Valve Guards available (for 1touch model)



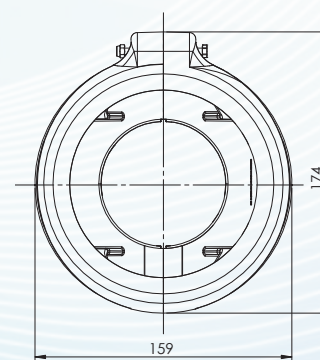
Top shrouds view



h = 125 mm



h = 125 mm



h = 125 mm