

Valve with Integrated Pressure Regulator for medical OXYgen



Breath easy

Peace of mind therapy

The Viproxy NEOS is an integrated pressure regulator valve with a digital gauge. It shows a clear and large display indicating remaining time at the selected flow and remaining pressure of the cylinder.

The Viproxy NEOS valve will enhance patient safety, optimizing caregivers' time.

Thanks to the new digital gauge, the uses of cylinders are optimized and deliver great savings for the final user and healthcare facilities.

It allows caregivers to focus on patient therapy thanks to:

1

Display showing all crucial parameters

2

Exact supply time while in use

3

Audible and visible alerts

Red Backlight Indicating:

- Low O2 pressure level
- Low supply level
- Low Battery
- High/Low Temperature
- Filling state



White Backlight:

- Clearer view in dark environments



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NEOS incorporates a low torque non rotating spindle shut off valve with an integrated ten position flow setting device.



Dual outlet (hose barb and fixed high pressure) covers all the possible applications of the Viproxy. Dual reading dials on the side and on the top of the flow selector allow easy reading from different angle perspectives.

An integrated pressure relief device is located in the low pressure section of the regulator.



NEOS incorporates also a residual pressure device, to protect the cylinder from accidental contamination.



NEOS integrates a high flow piston regulator upper stream protected by a special labyrinth filter.



NEOS can be equipped with a bursting disc device on the high pressure side depending on customer requirements. Various Pressure ratings are available.



A sintered bronze filter is incorporated in the inlet of the valve preventing particles from entering the valve. On demand it may also incorporate an excess flow device. All thread configurations are available.



Technical features:

- Suitable for up to 300 bar oxygen service pressure (4351 PSI)
- Digital gauge available with PSI or bar scales
- Non-return valve in the filling port
- Conforms to all the requirements of EN ISO 10524-3
- CE and TT marked according to the European Directives for Medical devices and transportable pressure equipment
- MRI compatible certified up to 3 Tesla
- Conforming to the PILL test ASTM G-175 (up to 300 bar)
- 5 Years Battery Lifetime
- Gauge IP Rate: 65
- Constant Measurement of pressure and temperature inside the cylinder
- Continuous Pressure Sampling
- Alerts for low content level and low battery

Additional features:

- Integrated hospital bed hanging device
- Protection handles conforming to ISO 11117
- Configuration customizable with 1 or 2 outlets. Barbed fitting for 1/4" I.D. hose and quick auxiliary connection with pressure fixed at 4 bar or 50 PSI
- Bursting disc device (OPTIONAL)
- Excess flow device (OPTIONAL)
- Special smart filter cartridge (OPTIONAL)

Customizable with different flow-scales for: **Baby care, Home care and Intensive therapy.**
Guard customizable in different colors.