

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 to empty 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, cylinder usage is optimized, minimizing wasted product and reducing cost to the provider.

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 smart filter into the valve inlet and an excess flow device can be incorporated as optional. Other thread configurations are also available for large K+T cylinders.



### Technical features:

- Suitable for up to 300 bar oxygen service pressure (4350 PSI)
- Digital gauge available with PSI or bar scales
- Non-return valve in the filling port
- Conforms to all the requirements of CGA E-18 and EN ISO 10524-3
- 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 DISS quick connection
- Fixed pressure regulator at 50 PSI
- Bursting disc device up to 4350 PSI
- Excess flow device (OPTIONAL)
- Special smart filter cartridge (OPTIONAL)

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

Shroud customizable in different colors.