Handling and performing ALL IN ONE solution
Compact and light design
User friendly
Suitable for home care, intensive and baby care
Use for oxygen, nitrous oxide and mixture of the above
Available on 230 or 300 bar
Home care
The Viproxy’s user friendly features and smart design are what make a real difference especially when used at home. The valve was designed not only to be reliable under all operating conditions, but already in the design phase a distinctive target was set to make use and operating features simple and carefree.

Intensive care
For well over sixty years we have been manufacturing and supplying pressure control equipment to markets throughout the world. Our experience and the quality of materials and components we use are second to none especially when it comes to life support. This is why institutions worldwide when making a choice select Cavagna Group pressure control equipment.
Baby care
Babies can have health issues that are different from older children and adults. The all new Viproxy regulator valve though was designed to be used for patients of all age groups. The built in regulating features combined with the dynamic flow selector guarantee a constant and measured oxygen dispensing.

Nitrous oxide sedation
Commonly known as laughing gas, nitrous oxide is mostly used as a dental sedation method for those patients with dental anxiety. Although the Viproxy was not specifically designed for this application, thanks to its innovative technological features it has become a well known product among dental professionals as well as emergency operators.
For over 60 years our Group has been designing, developing and manufacturing medical valves and regulators for the healthcare industry. Our mission has been, is, and will continue to be, delivering high performance equipment to hospitals, homecare services, and clinics. The viproxy valve has been designed to be safe, reliable and multipurpose. Cavagna Group is there where it counts.

Viproxy incorporates an Active Gauge that allows pressure reading, when the cylinder shut-off valve is closed. This will allow quick reading of the remaining quantity of gas contained in the cylinder. Special fluorescent dial provides great reading visibility in the dark.

A spring loaded pressure relief device is located in the low pressure section of the regulator to discharge accidental overpressures.

Viproxy is the first VIPR to incorporate a balanced regulator oriented in a horizontal way. Balanced regulator allows a better flow rate accuracy at (+/- 5% of dial at setting) different service pressures. Horizontal orientation of the regulator reduces the overall height of the valve improving its resistance to lateral impact.

Dual outlet (hose barb and fixed high pressure) cover 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.

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

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.

Filling port. With Protection Nut and chain. (optional)

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

TECHNICAL SPECIFICATIONS
ASSORTED PLASTIC PROTECTION HANDLES

Complying with impact test requirements of ISO 11117 and available in different colours on demand.

1. Assembled on the valve
2. Assembled on the cylinder neck ring
3. Assembled on the cylinder neck ring
4. Compact ergonomic version as assembled on the valve and the cylinder neck ring

Hospital bed hanger
**VIPROXY® 1touch**

1 touch incorporates an Active Gauge that allows pressure reading, when the cylinder shut-off valve is closed. This will allow quick reading of the remaining quantity of gas contained in the cylinder. Special fluorescent dial provides great reading visibility in the dark.

Dual outlet (hose barb and fixed high pressure) cover 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.

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

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

1 touch integrates an high flow piston regulator upper stream protected by a special labyrinth filter.

1 touch can be equipped with 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.

Filling port. With Protection Nut and chain. (optional)

**TECHNICAL SPECIFICATIONS**

- Filling port. With Protection Nut and chain. (optional)
- High performance piston pressure regulator
- Total weight with protection cap: 1.400 gr.
ASSORTED PLASTIC PROTECTION HANDLES

COMPLYING WITH IMPACT TEST REQUIREMENTS OF ISO 11117 AND AVAILABLE IN DIFFERENT COLOURS ON DEMAND

1 ERGONOMIC VERSION ASSEMBLED ON THE CYLINDER NECK RING

2 ASSEMBLED ON THE VALVE

3 COMPACT ERGONOMIC VERSION ASSEMBLED ON THE VALVE AND THE CYLINDER NECK RING

PERFORMANCE

Piston pressure regulator

Total weight with protection cap: 1.400 gr.
Technical features:

- Suitable for up to 300 bar oxygen service pressure (4351 PSI)
- Active gauge available with PSI or bar scales and fluorescent dial
- Total weight with protection cap: 1.500 gr. ~ (for the fully equipped version)
- Conforms all the requirement of EN-ISO 10524-3
- CE and 1lT marked according to the European Directives for Medical and trasportable pressure devices
- MRI compatible certified up to Tesla 3
- Conforming to the PILL test ASTM G175 (up to 230 bar 1touch)

Optional features:

- Hospital bed hanger available for all handle versions (see images below)
- Protection handles conforming to ISO 11117
- Non-active gauge
- Configuration available with 1 or 2 outlet. Barbed fitting for 1/4” I.D. hose and Quick connection with pressure fixed at 4 bar (58 PSI)
- Antifilling device and non return valve in the filling port
- Filling port protection nut
- Bursting disc device
- Excess flow device
- Special smart filter cartridge

Available with different flowmeter ranges:

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Dimensions:

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For further information visit www.viproxy.com
The first optimized solution for home healthcare
- Compact and light design suitable for <5 L capacity cylinders
- User friendly
- Extra light solution
- Easy handling for everyone

Valve with Integrated Pressure Regulator for medical OXYgen

ONLY 900 Gr
Valve with Integrated Pressure Regulator for medical Oxygen

Active Gauge
Viproxy Atom incorporates an Active Gauge that allows pressure reading, when the cylinder shut-off valve is closed. This will allow quick reading of the remaining quantity of gas contained in the cylinder. Special fluorescent dial provides great reading visibility in the dark.

Filling Port
Viproxy Atom incorporates an exchangeable modular filling port.

Protection Handle
Assembled on the valve, designed for the maximum compactness and comfort.

Piston Regulator
Viproxy Atom incorporates an optimized piston regulator designed for home healthcare.

Low torque non-rotating spindle
Viproxy Atom incorporates a low torque non rotating spindle shut off valve for lower torques at high service pressure. Maximum torque at 300 bar working pressure is 1.2 N/m. The On-Off Handwheel can allocate a transponder for cylinder data tracking.

We understand the need for patients to remain active while receiving at-home care, and in order to do so, they need lightweight and portable solutions. Viproxy® Atom valve with integrated pressure regulator for medical Oxygen works reliably in home care Oxygen therapy. The valve was designed not only to be reliable under all operating conditions, but already in the design phase a distinctive target was set to make use and operating features simple and carefree.

Looking at the benefits, people get out of the house and remain engaged in life outside their home. While out, using oxygen makes it easier to do more, brain thinks more clearly — and people are much happier when in the company of others.

Technical features:
« The first optimized solution for home healthcare
« Compact and light design suitable for <5 L capacity cylinders
« Suitable for up to 300 bar oxygen service pressure (4350 PSI)
« Active gauge available with PSI or bar scales and fluorescent dial
« Non return valve in the filling port
« Total weight with protection cap: 900 gr. ~ (for the fully equipped version)
« Conforms all the requirement of EN-ISO 10524-3
« CE and π marked according to the European Directives for Medical and trasportable pressure devices

Flow Scales:

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<tbody>
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<tr>
<td>Home care</td>
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</tr>
</tbody>
</table>

Optional features:
« Custom Flow Scales available upon request
« Other Active gauge
« Configuration available with 1 outlet. Barbed fitting for 1/4” I.D. hose or Quick connection with pressure fixed at 4 bar (58 PSI)
« Antifilling device available upon request
« Filling port protection plug in metal or plastic
« Excess flow device available upon request
« Special dip tube or special smart filter cartridge