



cavagna group

Advanced solutions for gas control



VIPROXY®

Valve with **I**ntegrated **P**ressure **R**egulator for medical **OXY**gen



- ✱ 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

1 touch

Applications

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.

VIPROXY®

VIPROXY®

A user friendly design allows access to the main functions from one side without having to turn the cylinder.



TECHNICAL SPECIFICATIONS

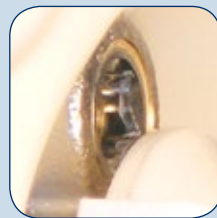


Viproxy

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.



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



Viproxy

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.



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.



Viproxy

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



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.



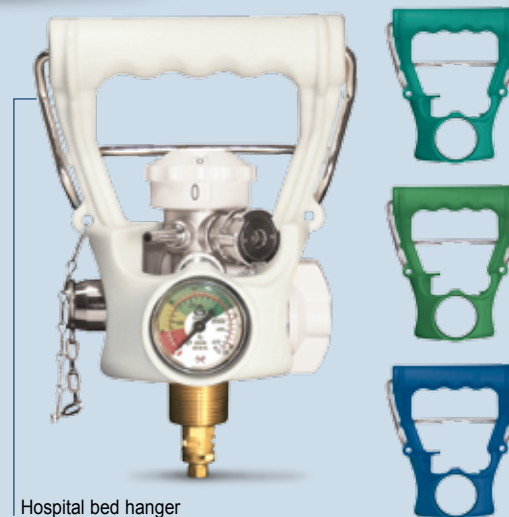
Filling port. With Protection Nut and chain. (optional)



ASSORTED PLASTIC PROTECTION HANDLES

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

1 ASSEMBLED ON THE VALVE



Hospital bed hanger

2 ASSEMBLED ON THE CYLINDER NECK RING



3 ASSEMBLED ON THE CYLINDER NECK RING



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



VIPROXY[®] 1 touch

TECHNICAL SPECIFICATIONS



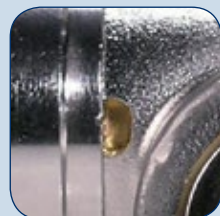
1 touch incorporates an Active Gauge that allows pressure reading, when the cylinder shut-off valve is closed. This will allow quick reading of the remaining quantity of gas contained in the cylinder. Special fluorescent dial provides great reading visibility in the dark.



Dual outlet (hose barb and fixed) 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 residual pressure device, to protect cylinder from accidental contamination.



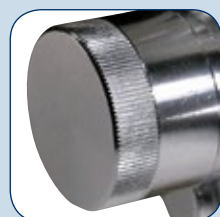
An integrated pressure relief device is located in the low pressure section of the regulator.



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



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.



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.



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

An operational
new concept



1 position

1 gesture

1 touch

- 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



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 TT 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**)

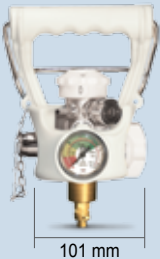





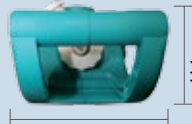
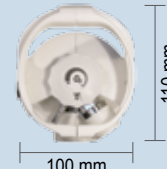
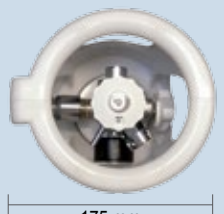

Optional features:

- » 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:

Application	l/min													
Baby care	0	¼	½	¾	1	1 ½	2	2 ½	3	4	5	6		
Home care	0	½	1	2	3	4	5	6	8	10	12	15		
Home care	0	¼	½	1	2	3	4	6	8	10	12	15		
Intensive therapy	0	1	2	3	4	5	6	8	10	12	15	25		
Intensive therapy	0	¼	½	1	2	3	4	6	8	10	15	25		

Dimensions:

max 26,7 kg	max 30 kg	max 27 kg	max 50 kg	max 16 kg 1touch
 153 mm 101 mm	 198 mm 96 mm	 165 mm	 165 mm 130 mm	 165 mm
 120 mm	 114 mm 142 mm	 110 mm 100 mm	 160 mm 175 mm	 115 mm 124 mm



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For further information visit
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