

# EasyCARE<sup>®</sup> PLUS

## Pressure regulators



Excellence in **INNOVATION**  
Breakthrough **TECHNOLOGY**  
Intelligent **DESIGN**

The EasyCARE<sup>®</sup> PLUS two stage pressure regulators are suitable for direct mounting on oxygen and medical air cylinders.

### STRUCTURE

Its structure is very compact and lightweight and it is particularly suitable for oxygen therapy. The body is made of brass and aluminium with an integrated calibrated orifices "dial" flowmeter having 10 preset medical gas flow options and it is housed inside a techno-polymer shock proof shell to protect the assembly, while a large ergonomic control knob with Soft Grip inserts allows the operator to easily adjust the gas flow between the 10 possible preset options. They are equipped with a preset overpressure safety valve, and can be supplied, as an option, with a terminal unit connected to the first stage chamber which allows to get an additional and separate source of medical gas. The outlet has a nipple with two connection threads on the two ends, for an easy and quick interchangeability.

### WORKING PRINCIPLE AND GAUGE

The pressure calibration of the individual stages is fixed and a pressure gauge, with easy reading colored sections, allows to get view continuously of the cylinder gas level, up to minimum allowed. A protective silicone cover and a techno-polymer support prevent gauge damages caused by possible shocks received during transport or use. The gauge in tilted position helps in reading even if the regulator is assembled on cylinders having small dimensions.

## Main information



The inlet connection is offered in several options, as per the different reference standards of the destination Countries.



The operators can get two options of outlet thread by simply reversing the nipple, depending on the required applications.



The small size structure and the particular technical configuration allow the EasyCARE<sup>®</sup> PLUS pressure regulators to supply flows of medical gases like oxygen with extreme accuracy, even in the most difficult conditions, such as in mobile units of emergency.

## Related products



Humidifiers  
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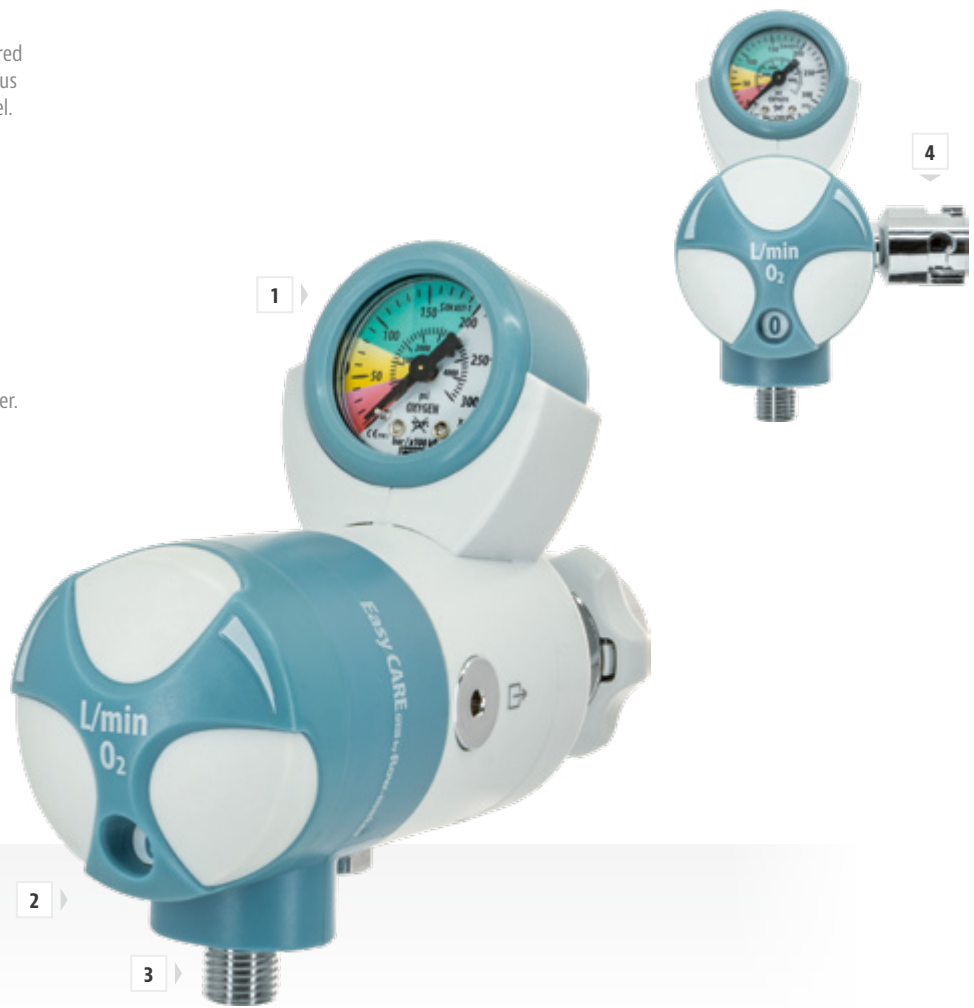


Cylinder inlet connections  
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|                                          |                                                                                                                                                                                            |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SIZES (LxWxH)</b>                     | 57x160x128 mm (with UNI 11144 cylinder connection and without optional terminal unit)                                                                                                      |
| <b>WEIGHT</b>                            | 0.75 Kg (without optional terminal unit)                                                                                                                                                   |
| <b>MAXIMUM GAS SUPPLY PRESSURE</b>       | 200 bar                                                                                                                                                                                    |
| <b>PRESSURE CONTROL GAUGE</b>            | 315 bar end of scale                                                                                                                                                                       |
| <b>END OF SCALE STANDARD FLOW VALUES</b> | 6 L/min. · 14 L/min. · 15 L/min. · 30 L/min. · 50 L/min.                                                                                                                                   |
| <b>FLOW RATES</b>                        | 10 (0+9 preset values)                                                                                                                                                                     |
| <b>GASES OPTIONS</b>                     | O <sub>2</sub> · AIR                                                                                                                                                                       |
| <b>DIAL FLOWMETER ACCURACY</b>           | ±10% read value or ±0.5 L/min. if greater between 10% and 100% E.O.S.<br>±10% read value or ±0.2 L/min. if greater for flows < 10% E.O.S.                                                  |
| <b>PRESSURE REDUCER ASSY</b>             | double stage with shutter system                                                                                                                                                           |
| <b>FLOW SETTING DATA</b>                 | 1013 mbar 23 °C                                                                                                                                                                            |
| <b>INLET CYLINDER CONNECTIONS</b>        | UNI 11144 · EN 850 · NF-E 29-650 · BS 341-3 · DIN 477-1 · CGA                                                                                                                              |
| <b>OUTLET CONNECTIONS</b>                | Nipple with double thread, interchangeable by the end user:<br>· M12x1.25 M. - 1/4" ISO 3253 M.<br>· 9/16" UNF EN 13544-2 M. - 1/4" ISO 3253 M.<br>· M12x1.25 M. - 9/16" UNF EN 13544-2 M. |
| <b>TERMINAL UNIT (OPTIONAL)</b>          | AFNOR NF-E 29-650 · UNI 9507 · BS 5682 · DIN 13260-2 · SS 875 24 30                                                                                                                        |
| <b>SUPPLY PRESSURE</b>                   | 360 ÷ 550 kPa (with cylinder pressure between 200 and 40 bar and constant flow of 40 L/min. 23 °C)                                                                                         |

- 1 **Gauge** with easy reading colored sections to allow the continuous control of the cylinder gas level. Gauge fit in tilted position with colored sections and double scale (bar/kPa + PSI). **Protective silicone cover** and techno-polymer support.
- 2 **Big size knob**, with Soft Grip inserts for easy handling.
- 3 **Nipple** with double thread, interchangeable by the end user.
- 4 **Optional outlet**.

Being the integrated flowmeter a calibrated orifices type, there is no need to get it always and only used in the upright position, as required in case of use of pressure regulators fitting conventional variable area flowmeters with vertical reading values scales.



▶ WATCH THE VIDEO



1



2



3



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## Regulation values for the different end of scale flows

|               |                  | STEP VALUES |      |      |      |      |       |       |       |       |       |
|---------------|------------------|-------------|------|------|------|------|-------|-------|-------|-------|-------|
| END OF SCALES | <b>6 L/min.</b>  | 0.00        | 0.25 | 0.50 | 1.00 | 1.50 | 2.00  | 3.00  | 4.00  | 5.00  | 6.00  |
|               | <b>14 L/min.</b> | 0.00        | 0.50 | 1.00 | 2.00 | 4.00 | 6.00  | 8.00  | 10.00 | 12.00 | 14.00 |
|               | <b>15 L/min.</b> | 0.00        | 0.50 | 1.00 | 2.00 | 3.00 | 4.00  | 6.00  | 9.00  | 12.00 | 15.00 |
|               | <b>30 L/min.</b> | 0.00        | 1.00 | 2.00 | 4.00 | 8.00 | 12.00 | 16.00 | 20.00 | 25.00 | 30.00 |
|               | <b>50 L/min.</b> | 0.00        | 1.00 | 2.00 | 3.00 | 6.00 | 9.00  | 12.00 | 15.00 | 30.00 | 50.00 |