# **EASYCARE**<sup>®</sup>

**Pressure regulators** 

# The EASYCARE<sup>®</sup> two stage pressure regulator is suitable for direct mounting on oxygen cylinders.

#### **STRUCTURE**

Its structure is very compact and lightweight and it is particularly suitable for oxygen therapy. The body is made of brass and chromeplated aluminum with an integrated impact resistant polymer calibrated orifices flowmeter with 10 options of flow oxygen supply. It is equipped with a pre-calibrated overpressure safety valve, and with a terminal unit (optional) connected to the first stage chamber which allows to get an additional and separate source of oxygen or air supplied at 4 bar. The inlet connection is offered in several options, as per the different reference standards of the destination Countries, and the outlet too is available with threads adapted to different applications.

#### WORKING PRINCIPLE AND GAUGE

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ENGINEERING REVOLUTION IN MEDICAL TECHNOLOGY

The pressure calibration of the individual stages is fixed and a pressure gauge allows to get view of the cylinder contents. A protective silicone cover prevents gauge damages caused by possible shocks received during transport or use.

### Main information

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

The small size structure and the particular technical configuration allow the **EASYCARE®** pressure reducers to get flows of medical gases like oxygen dispensed with extreme accuracy, even in the most difficult conditions, such as in mobile units of emergency.

# Related products



Humidifiers from p. 47 Cylinder inlet connections p. 57

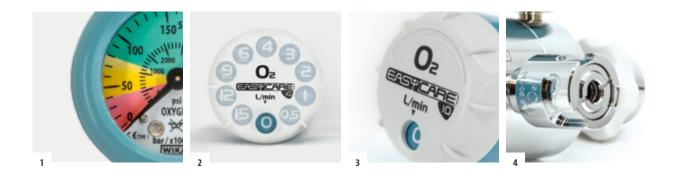
SIZES (LXWxh)I/X55X17 mm (with UN11144 cylinder connection and without optional terminal unit)WEIGH0.8 1 G (without optional outlet)MAXIMUM INLET PRESSURE0.0 b a rGASES OPTIONS0.2 A IRSTANDARD FLOW RATGE0.1 (Min. 1.5 L/min. 1.5 U/min. 50 L/min. 1.5 U/min. 1.5 U/m		
MAXIMUM INLET PRESSURE200 barGASES OPTIONS $O_2 \cdot AIR$ GASES OPTIONS $6 L/min. \cdot 15 L/min. \cdot 30 L/min. \cdot 50 L/min.$ STANDARD FLOW RANGE $6 L/min. \cdot 14 L/min. \cdot 15 L/min. \cdot 30 L/min. \cdot 50 L/min.$ FLOW RATES $10 (0+9 preset values)$ FLOWMETER ACCURACY $\pm 10\%$ read value or $\pm 0.5 L/min.$ if greater between 10% and 100% E.O.S. $\pm 10\%$ read value or $\pm 0.2 L/min.$ if greater for flows < 10% E.O.S.	SIZES (LxWxH)	147x55x117 mm (with UNI 11144 cylinder connection and without optional terminal unit)
GASES OPTIONS       O2 · AIR         STANDARD FLOW RANGE       6 L/min. · 15 L/min. · 30 L/min. · 50 L/min.         IO (0+9 preset values)       10 (0+9 preset values)         FLOWMETER ACCURACY       ±10% read value or ±0.5 L/min. if greater between 10% and 100% E.O.S. ±10% read value or ±0.2 L/min. if greater for flows < 10% E.O.S.         INLET CONNECTION TO THE CYLINDER       UNI 11144 · EN 850 · NF-E 29-650 · BS 341-3 · DIN 477-1 · CGA         OUTLET CONNECTION       1/4" ISO 3253 M. · 3/8" ISO 3253 M. · M12x1.25 M. · 9/16" UNF EN 13544-2 M.	WEIGHT	0.81 Kg (without optional outlet)
STANDARD FLOW RANGE6 L/min. · 14 L/min. · 15 L/min. · 30 L/min. · 50 L/min.6 L/min. · 14 L/min. · 15 L/min. · 30 L/min. · 50 L/min.FLOW RATES10 (0+9 preset values)FLOWMETER ACCURACY±10% read value or ±0.5 L/min. if greater between 10% and 100% E.O.S. ±10% read value or ±0.2 L/min. if greater for flows < 10% E.O.S.	MAXIMUM INLET PRESSURE	200 bar
FLOW RATES       10 (0+9 preset values)         FLOWMETER ACCURACY       ±10% read value or ±0.5 L/min. if greater between 10% and 100% E.O.S. ±10% read value or ±0.2 L/min. if greater for flows < 10% E.O.S.         INLET CONNECTION TO THE CYLINDER       UNI 11144 · EN 850 · NF-E 29-650 · BS 341-3 · DIN 477-1 · CGA         OUTLET CONNECTION       1/4" ISO 3253 M. · 3/8" ISO 3253 M. · M12x1.25 M. · 9/16" UNF EN 13544-2 M.	GASES OPTIONS	$O_2 \cdot AIR$
FLOWMETER ACCURACY       ±10% read value or ±0.5 L/min. if greater between 10% and 100% E.O.S.         ±10% read value or ±0.2 L/min. if greater for flows < 10% E.O.S.         INLET CONNECTION TO THE CYLINDER         UNI 11144 · EN 850 · NF-E 29-650 · BS 341-3 · DIN 477-1 · CGA         OUTLET CONNECTION         1/4" ISO 3253 M. · 3/8" ISO 3253 M. · M12x1.25 M. · 9/16" UNF EN 13544-2 M.	STANDARD FLOW RANGE	6 L/min. • 14 L/min. • 15 L/min. • 30 L/min. • 50 L/min.
<b>FLOWMETER ACCORACY</b> ±10% read value or ±0.2 L/min. if greater for flows < 10% E.O.S. <b>INLET CONNECTION TO THE CYLINDER</b> UNI 11144 · EN 850 · NF-E 29-650 · BS 341-3 · DIN 477-1 · CGA <b>OUTLET CONNECTION</b> 1/4" ISO 3253 M. · 3/8" ISO 3253 M. · M12x1.25 M. · 9/16" UNF EN 13544-2 M.	FLOW RATES	10 (0+9 preset values)
<b>OUTLET CONNECTION</b> 1/4" ISO 3253 M. • 3/8" ISO 3253 M. • M12x1.25 M. • 9/16" UNF EN 13544-2 M.	FLOWMETER ACCURACY	
	INLET CONNECTION TO THE CYLINDER	UNI 11144 · EN 850 · NF-E 29-650 · BS 341-3 · DIN 477-1 · CGA
TERMINAL UNIT (OPTIONAL) AFNOR NF-E 29-650 · UNI 9507 · BS 5682 · DIN 13260-2 · SS 875 24 30	OUTLET CONNECTION	1/4" ISO 3253 M. • 3/8" ISO 3253 M. • M12x1.25 M. • 9/16" UNF EN 13544-2 M.
	TERMINAL UNIT (OPTIONAL)	AFNOR NF-E 29-650 · UNI 9507 · BS 5682 · DIN 13260-2 · SS 875 24 30

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- 1 **Gauge** with colored sections and double scale.
- 2 **Easy reading** of the O<sub>2</sub> flow; ten reading values to improve low flows regulation.
- 3 Ergonomic knob
- 4 Detail of optional outlet.

In fact, 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 regulator fitting conventional variable area flowmeters with vertical indicator.





# Regulation values for the different end of scale flows

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

OXYGEN THERAPY

 Flow-meter
 REGISTER

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