

# REGSON TM2



OXYGEN-THERAPY  
PRESSURE REGULATORS  
WITH FLOWMETER WITH  
PRE-ADJUSTED FLOWRATES



**TECHNOLOGIE  
MEDICALE**

**MORE  
SAFETY**  
**GAS FLOW  
BETWEEN  
TWO POSITION**

# REGSON TM2

The REGSON TM2 pressure regulator, connected to an Oxygen or medical Air cylinder, is used to regulate the gas pressure by supplying the operating outlet with a controlled and stable pressure below its supply pressure. The pressure of the compressed gas cylinder can be read on the pressure gauge of the device.

Combined with a DEBSON TM2 flowmeter with pre-adjusted flowrates, the REGSON TM2 pressure regulator enables to adjust and measure the flow of a gas that is to be delivered to patients through the respiratory tract from a gas cylinder.

Fitted with a quick-release connector it also enables to supply a ventilator or any other medical device with gas.

Two connection systems to the gas cylinder are available:

- **The bullnose fitting**, for large cylinders (> 4 Litres in water or 0.8 m<sup>3</sup>).
- **The yoke pin-index fitting**, for small cylinders (universal system).

## Main technical features:

Active medical device of class IIb.

In compliance with the EN ISO 10524-1: 2006 standard.

Outlet pressure: 4.5 +/- 0.5 bar

Inlet pressure: up to 200 bar.

- **Piston type** pressure regulator for a great reliability.
- **Single stage** pressure regulator.
- **Integrated relief valve** protected in the body of the pressure regulator thus ensuring its inviolability and its reliability.
- **Pressure gauge protected against shocks thanks to a plastic bumper.**
- **Filter at the inlet to prevent the risks linked to high pressure.**
- **Body made of nickel-plated brass**, very strong.
- **Delivered with a DEBSON TM2 flowmeter with pre-adjusted flowrates** (refer to DEBSON TM2 leaflet).
- Normative information (gas name, CE marking, signs related to the use of the device, overhaul date) are mentioned on self-adhesive stickers for a better reading.
- **A unit serial number is engraved on the body of each pressure regulator** ensuring its identification and traceability. 8 digits number indicating the manufacturing year and month as well as the unit serial number of the device.

## Many versions available:

- Available gas: OXYGEN (also available for medical AIR but only for AFNOR, DIN and NORDIC bullnose fittings).
- Available flowrates:  
01 l/min - 05 l/min - 15 l/min - 25 l/min - 50 l/min.
- Connection systems to the gas cylinder: **Universal Pin-index fitting** and **Bullnose fitting** according to various standards.
- Standards for bullnose fittings: AFNOR (French Standard) - BS (British Standard) - DIN (German Standard) - US OHMEDA DIAMOND (American Standard) - NORDIC (Scandinavian Standard) - UNI (Italian Standard).

- Outlets: 12x125 M - 9/16" M - 1/2"BS F - 1/4G M.
- Available with or without quick-release connector.
- Available with or without Venturi ejector system (OXAP).
- Weight: 850 g.
- Dimensions: Height 100 mm x Width 50 mm x Depth 175 mm.

## Use, cleaning and maintenance:

Being fitted with a DEBSON TM2 flowmeter with pre-adjusted flowrates, the REGSON TM2 pressure regulator can be used in any orientation once it is connected to the gas cylinder.

Then just turn the front knob of the flowmeter counterclockwise and select any of the 9 available flowrates till its ratchet mechanism.

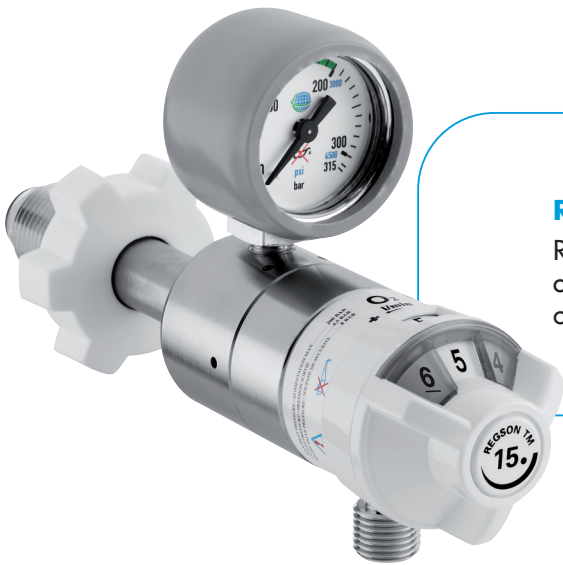
Clean the exterior of the device with water and soap. Rinse and dry. If using disinfecting products please check their compatibility with plastics. Do not lay under water.

Device to be serviced every 5 years in our workshop (see next overhaul date affixed to each product).

## Accessories:

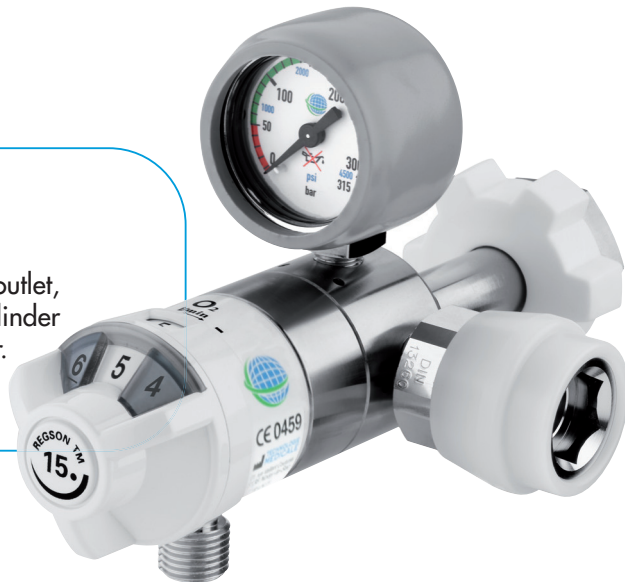
- Tubing nipple (1 part) or tubing nipple (2 parts) ❶
- Switch or Flow-Switch ❷
- Humidifier: CCO model (250 ml) or TMS model (500 ml) ❸





**RS01**

REGSON TM2 O<sub>2</sub>, 15 l/min, 9/16" outlet, with BS bullnose fitting for large cylinder.



**RS02**

REGSON TM2 O<sub>2</sub>, 15 l/min, 9/16" outlet, with DIN bullnose fitting for large cylinder and with DIN quick-release connector.



**RS03**

REGSON TM2 medical Air, 15 l/min, with AFNOR bullnose fitting for large cylinder and with 12x125 outlet tubing nipple.

**RS04**

REGSON TM2 O<sub>2</sub>, 15 l/min, with AFNOR bullnose fitting for large cylinder, with AFNOR quick-release connector and with 12x125 outlet tubing nipple.



**RS05**

REGSON TM2 OXAP O<sub>2</sub>, 15 l/min, 9/16" outlet, with DIN bullnose fitting for large cylinder, with Venturi ejector and with DIN quick-release connector.



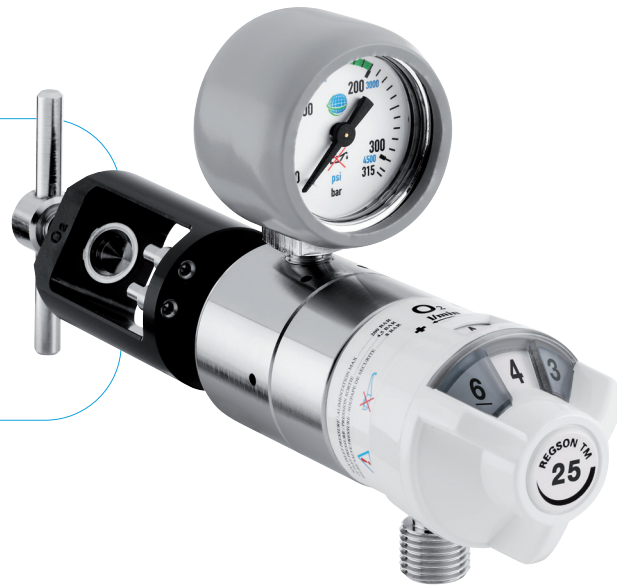
**RS06**


REGSON TM2 O<sub>2</sub>, 15 l/min, 9/16" outlet, with DIN bullnose fitting for large cylinder and with DIN quick-release connector (pressure gauge back left).



**RS07**

REGSON TM2 O<sub>2</sub>, 25 l/min, 9/16" outlet, with universal pin-index fitting for small cylinder.







Universal system	REGSON TM2 O <sub>2</sub> PRESSURE REGULATORS WITH PIN-INDEX FITTING FOR SMALL CYLINDER					
	Flowrates l/min	01	05	15	25	50
	Outlet thread: 12X125 M	<b>18403</b>	<b>18405</b>	<b>18407</b>	-	-
	Outlet thread: 9/16" M	-	<b>18473</b>	<b>18413</b>	-	-
	Outlet thread: 1/4G M	<b>18459</b>	<b>18458</b>	<b>18426</b>	-	-
	Outlet thread: 1/2"BS F	-	-	<b>18442</b>	-	-
	Outlet thread: 12X125 M + AFNOR quick-release connector	-	-	<b>18408</b>	-	-
	Outlet thread: 1/2"BS F + BS quick-release connector	-	-	<b>18443</b>	-	-
	Outlet thread: 9/16" M + DIN quick-release connector	-	-	<b>18444</b>	-	-
	Outlet thread: 12X125 M + AFNOR quick-release connector + Minivent venturi (OXAP)	-	-	<b>18543</b>	-	-

**Flowrates breakdown**




REGSON TM2 - 01 l/min	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1
REGSON TM2 - 05 l/min	0	0.5	0.8	1	1.5	2	2.5	3	4	5
REGSON TM2 - 15 l/min	0	1	2	3	4	5	6	9	12	15
REGSON TM2 - 25 l/min	0	0.5	1	2	3	4	6	8	15	25
REGSON TM2 - 50 l/min	0	5	10	15	20	25	30	35	40	50


- Available upon request only.  
Please contact us for other configurations.  
Outlet tubing nipples to be ordered separately (refer to "oxygen-therapy accessories" leaflet).


AFNOR French Standard	REGSON TM2 PRESSURE REGULATORS WITH BULLNOSE FITTING FOR LARGE CYLINDER					
	Flowrates l/min	01	05	15	25	50
<b>OXYGEN (O<sub>2</sub>)</b>						
<b>MEDICAL AIR</b>						
	Outlet thread: 12X125 M	-	-	<b>18397</b>	-	<b>18398</b>
		-	<b>18434</b>	<b>18430</b>	-	-
	Outlet thread: 9/16" M	-	<b>18409</b>	<b>18410</b>	-	<b>18449</b>
		-	-	-	-	-
	Outlet thread: 12X125 M + quick-release connector	-	<b>18400</b>	<b>18402</b>	-	<b>18445</b>
	Outlet thread: 9/16" M + quick-release connector	-	-	<b>18454</b>	-	-
	Outlet thread: 12X125 M + quick-release connector + Minivent venturi (OXAP)	-	-	<b>18544</b>	-	-


BS British Standard	REGSON TM O <sub>2</sub> PRESSURE REGULATORS WITH BULLNOSE FITTING FOR LARGE CYLINDER					
	Flowrates l/min	01	05	15	25	50
	Outlet thread: 1/2"BS F Outlet thread: 9/16" M	<b>18435</b> -	<b>18436</b> -	<b>18421</b> <b>18424</b>	- -	- <b>18453</b>
	Outlet thread: 1/2"BS F + quick-release connector	-	-	<b>18437</b>	-	-
	Outlet thread: 9/16" M + quick-release connector	-	-	<b>18468</b>	-	-
	Outlet thread: 1/2"BS F + quick-release connector + Minivent venturi (OXAP)	-	-	<b>18545</b>	-	-

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<b>DIN</b> German Standard	<b>REGSON TM O<sub>2</sub> PRESSURE REGULATORS WITH BULLNOSE FITTING FOR LARGE CYLINDER</b>			
	Flowrates l/min	01	05	15
 Outlet thread: 1/4G M Outlet thread: 9/16" M		<b>18438</b> <b>18414</b>	<b>18439</b> <b>18416</b>	<b>18425</b> <b>18418</b>
 Outlet thread: 9/16" M + quick-release connector		-	-	<b>18420</b>
 Outlet thread: 9/16" M + quick-release connector + Venturi (OXAP)		-	-	<b>18546</b>

<b>US OHMEDA</b> American Standard	<b>REGSON TM O<sub>2</sub> PRESSURE REGULATORS WITH BULLNOSE FITTING FOR LARGE CYLINDER</b>		
	Flowrates l/min	05	15
 Outlet thread: 9/16" M		-	<b>18423</b>

<b>NORDIC</b> Scandinavian Standard	<b>REGSON TM O<sub>2</sub> PRESSURE REGULATORS WITH BULLNOSE FITTING FOR LARGE CYLINDER</b>			
	Flowrates l/min	01	05	15
 Outlet thread: 9/16" M		<b>18447</b>	<b>18463</b>	<b>18429</b>

<b>UNI</b> Italian Standard	<b>REGSON TM O<sub>2</sub> PRESSURE REGULATORS WITH BULLNOSE FITTING FOR LARGE CYLINDER</b>		
	Flowrates l/min	05	15
 Outlet thread: 1/4G M Outlet thread: 9/16" M		-	<b>18427</b>
		-	<b>18470</b>

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**Also available**



**Distributed by**

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**TECHNOLOGIE  
MEDICALE**

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