

## REGULATORS

# ROVER 12S - ROVER 12 - ROVER 2S - OCTOPUS ROVER



This pamphlet is an integral part of the Mares regulator user's manual and should be stored with it.

## CE CERTIFICATION

The Mares regulators described in this manual have been tested and certified by Registered Test Centre No. 0426 - Italcert - Viale Sarca 336, Milan - I, in compliance with EC directive 89/686/EEC of 21 December 1989. The test procedures were conducted according to the EN 250: 2000 standard, in conformity with the aforesaid directive, which sets out the conditions for marketing and essential safety requirements for Category III Personal Protective Equipment (PPE).

The certification testing results are as follows:

Model	Warm water (Temp. = > 10°C (50°F))	Cold waters (Temp. < 10°C (50°F))	Marking	Position
Rover 12S	approved	approved	CE 0426	on the first stage
Rover 12	approved	approved	CE 0426	on the first stage
Rover 2S	approved	approved	CE 0426	on the first stage
Rover Octopus	approved	approved	CE 0426	on the second stage

The CE0426 mark of the Rover Octopus is an adhesive label affixed to the hose. This label must never be removed. If the label is accidentally removed, the applicable CE mark for the Rover Octopus will be the one on the Rover first stage to which it is connected.

The CE mark certifies compliance with the essential health and safety requirements (DE 89/686/EEC Annex II). The suffix 0426 after the letters "CE" indicates the Italcert Registered Test Center in charge of monitoring the production under Art. 11B DE 89/686/EEC.

### MR12S<sup>T</sup> FIRST STAGE

The Rover 12S is equipped with the new MR12S<sup>T</sup> first stage.

New first stage, with a nickel- and chrome-plated brass body, stands out from previous versions because of its size and its lower weight. This was made possible thanks to innovative technical solutions that still maintain the same internal components. Diaphragm technology with the DFC system and replaceable high-pressure seat connector. The high-pressure valve, manufactured in "tri-materials" allows for improved durability and security. These advances have made it possible to include conical filters with better filtering power in both the INT and the DIN versions. It features a preferential intermediate-pressure DFC port for the main second stage hose, as well as three other LP service ports and two ports for high pressure. All ports have been rearranged in order to offer better positions for the hoses and the transmitting unit for integrated dive computers.

### MR12<sup>T</sup> FIRST STAGE

The Rover 12 is equipped with the MR12 first stage.

The body is nickel- and chrome-plated brass, protected by a shockproof cap. The general technical characteristics are those of the best Mares first stages with diaphragm operation and the DFC system.

The brand-new "Tri-material" high-pressure valve, manufactured in three materials, allows for superior duration and safety. There are four LP and two LP ports for connecting the pressure gauge as well as a transducer for an integrated computer, if desired.

### R2S FIRST STAGE

The Rover 2S is equipped with the new R2S first stage.

Brand-new first stage in nickel- and chrome-plated brass that stands out from previous versions for its size and lower weight. The first stage is complete with a shockproof guard, designed to house a chip that will manage computerized information for equipped Diving Centers. This is made possible by innovative technical solutions that do not alter the internal components. The piston technology guarantees exceptional reliability under all usage conditions, paired with extremely straightforward maintenance. Thanks to these measures, it was possible to fit both the INT and DIN versions with conical filters that ensure greater filtering power and extended

usage periods. It is equipped with a preferential intermediate pressure DFC port for the main second stage hose, three other low-pressure ports, and one high-pressure port. All ports have been rearranged in order to offer better positions for the hoses.

## ROVER SECOND STAGE

The most advanced medium-sized, high-performance, technopolymer second stage available on the market. The integrated VAD system provides unbeatable performance that greatly exceeds the limits required for EC certification. Innovative and unique design. The brand new lid integrates the oversize purge button, which is fully covered in scratch-resistant polyurethane and is extremely easy to use, even when wearing thick neoprene gloves. The "mesh grid" system minimizes the likelihood of free-flow in strong currents. The generously-sized exhaust tee has a streamlined shape, affording superior performance while directing air bubbles further away from the face. The Octopus version of the Rover second stage features a longer hose (100 cm). It is immediately identifiable in any condition by its yellow color.

Technical specifications	FIRST STAGE		
	MR125 <sup>T</sup>	MR 12 <sup>T</sup>	R 2S
Operation	-Balanced diaphragm -DFC system -"Tri-material" Valve	-Balanced diaphragm -DFC system -"Tri-material" Valve	-Piston -DFC system
Materials			
Metal parts	-Chrome and nickel-plated brass -Stainless steel	-Chrome and nickel-plated brass -Stainless steel	-Chrome and nickel-plated brass -Stainless steel
Non-metal parts	-High-resistance technopolymers	-High-resistance technopolymers	-High-resistance technopolymers
Seals and diaphragms	-Nitril rubber -Silicone rubber	-Nitril rubber -Silicone rubber	-Nitril rubber -Silicone rubber
Flow rate (air supply 180 bar)	-4800 l/min	-4.000 l/min	-3.500 l/min
Intermediate pressure			
Air supply 200 bar	-from 9.8 to 10.2 bar	-from 9.8 to 10.2 bar	-from 8 to 10 bar
Air supply 30 bar			
First stage ports			
High pressure	-n°2 7/16" UNF	-n°2 7/16" UNF	-n°1 7/16" UNF
DFC	-n°1 3/8" UNF (principal)	-n°1 3/8" UNF (principal)	-n°1 3/8" UNF (principal)
Intermediate pressure	-n°3 3/8" UNF	-n°3 3/8" UNF	-n°3 3/8" UNF
Weight			
INT	-674g	-675g	-608 g
DIN	-574g	-690g	-432 g

Technical specifications	SECOND STAGE	
	ROVER	OCTOPUS ROVER
Operation	-VAD system -Mesh Grid cover	-VAD system -Mesh Grid cover
Materials		
Metal parts	-Chrome and nickel-plated brass -Stainless steel	-Chrome and nickel-plated brass -Stainless steel
Non-metal parts	-High impact technopolymers	-High-resistance technopolymers
Seals and diaphragms	-Nitril rubbers -Silicone rubbers	-Nitril rubber -Silicone rubber
Flow rate (air supply 180 bar)	-2.300 l/min	-2.300 l/min
Hose length		
Standard length	-80cm	
Octopus length		-100cm
Weight (without hose)	-200g	-200g



cod. 46201105 - Rev A - printed by ME.CA - 0.000 - 09/11 - ArtBookK7218/11



Salita Bensen, 4 - 16035 Rapallo - ITALY  
Tel. +39 01852011 - Fax +39 0185201470  
[www.mares.com](http://www.mares.com)

