

PRESTIGE 12

Steady and natural as your breath



- Very natural and effortless breathing
- Soft purge diaphragm with Mesh-Grid
- Mid-size stylish second stage

Excellent performance without a high price, incorporating all the features that make Mares regulators stand out from the rest. A mid-size regulator with stylish design, strengthened by the ultimate technologies to provide steady, natural and effortless breathing.

REGULATORS TECHNICAL ICONS



TRI-MATERIAL VALVE: PATENTED TECHNOLOGY, CONCEIVED AND CREATED TO OPTIMIZE PERFORMANCE, SAFETY, AND RELIABILITY. THIS BRASS VALVE IS COVERED WITH A HARD PU THEN THE HEAD IS LAYERED MOLECULARLY WITH A SOFT PU. TRI-MATERIAL (BRASS, SOFT POLYURETHANE, AND "HEAVY DUTY" POLYURETHANE) REACHES A NEW LEVEL OF DURABILITY.



DFC - DYNAMIC FLOW CONTROL: DFC system minimizes the intermediate pressure drop during inhalation, making it possible to use a simpler and more reliable second stage. Any type of manual adjustment is not necessary, thanks to the consistency derived from first stages that guarantees a stable flow of air, even under extreme conditions.



VAD - VORTEX ASSISTED DESIGN: All Mares second stages offer the unique patented VAD system. The air bypass tube conveys air to the mouthpiece creating a swirling vortex with a low pressure area in center that keeps the diaphragm down during inhalation, for very sensitive and easy breathing at all depths.



FLUID DYNAMIC DEFLECTOR: THIS INNOVATIVE DEFLECTOR, DEVELOPED AFTER IN-DEPTH STUDY AND TESTS OF FLUID DYNAMICS, IS ENGINEERED TO RECEIVE AND PROPERLY DIRECT THE AIRFLOW FROM THE BY-PASS TUBE TO THE MOUTHPIECE. COMBINED WITH THE VAD IT DELIVERS A VERY NATURAL AND EFFORTLESS BREATHING.

PROFILE ICONS



FOR DEMANDING DIVERS: Those who dive frequently and in difficult conditions need products featuring superior quality and consistent performance, time and time again. Mares has always focused on new technologies and innovative products that lead to concrete benefits: superior reliability and performance will be appreciated by the most experienced demanding divers.



MAX COMFORT: Comfort is always one of the primary design elements in Mares equipment. Mares through superior technology continues to research, innovate and upgrade your level of comfort before and during your dive. Equipment marked with Max Comfort bring this quality of comfort to the most up-to-date premier pinnacle.



IDEAL FOR TRAVEL This gear line is designed specifically for women in style, cut, and ergonomics making your dives much more comfortable than in years past. Careful consideration to detail in functionality and aesthetic specifically for women make the She Dives collection the ideal choice for your Scuba and snorkeling needs.

PRESTIGE 12



Mares is making great leaps forward in regulator innovation! If you'd like to know more about the performance of the new 2008 range of Mares regulators and the technical highlights that will be causing a stir this season, just keep reading.

Prestigious objects you should look at carefully: the new line of Mares Prestige regulators will be arriving in the 2008 season with a variety of models. As early as autumn 2007, as part of the Mares preview, test dives will be conducted using the first regulator in the new series, the **Prestige 12**.

The Prestige second stage is the most advanced high-performance stage made of technopolymer that is currently available on the market. The integrated VAD system – patented and introduced successfully many years ago – offers unbeatable performance that easily meets and exceeds CE standardization requirements. The interaction between the VAD ("vortex" assisted through a bypass) and the fixed Fluid Dynamic Deflector, integrated upstream from the mouthpiece, creates an incredibly physiological breathing curve: the bypass directs the flow of air to the deflector, significantly improving the response. Breathing underwater with Prestige is similar to natural breathing out of the water, and this makes it a very pleasurable experience. The geometry of the medium-size second stage ensures maximum comfort during the dive, as well as highly-advanced technical stability. Another important innovation is the oversized polyurethane purge button, which is easy to use even when wearing thick neoprene gloves. The aerodynamic shape of the bubble deflector improves performance and keeps bubbles away from the diver's face. The Prestige also features the Mesh Grid system, which has met with great success in many Mares regulators, and reduces to a minimum the risk of freeflow in strong currents.

The **Prestige 12** is available with the MR12^T first stage. The heart of the regulator is the brand-new Tri-Material valve made of three different materials, making this first stage extremely durable, sturdy, and safe, even in unfavorable conditions. The first stage features four intermediate-pressure connectors and two high-pressure connectors, and can be connected to 200 or 300 bar tanks.

The **Prestige 12** is a prized design object for people who love the "look" – people with an eye for style! But technology buffs will also be more than satisfied with this new regulator.

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"PRESTIGE 12" TECHNICAL SPECIFICATIONS



Operating Mode	1st stage: balanced diaphragm control, DFC minimizes the drop in intermediate pressure). 2nd stage: VAD system (need-based control, minimizes the risk of icing) with Fluid Dynamic Deflector, and Mesh Grid (breaks up the flow of water in the event of frontal impact, preventing free-flow).
Material	1st Stage: high-strength chrome-plated cast brass. 2nd Stage: technopolymers
Valve system	long-lasting Tri-Material valve
Intermediate pressure	from 9.8 to 10.2 bar (at 200 and with an air supply of 30 bar)
High-pressure connection	DIN 477/50 (300 /200 bar) or CGA 850 INT
1st stage connections	high pressure: two UNF 7/16" intermediate pressure: three UNF 3/8", one UNF DFC 3/8" (for principal automatic device)
Type of hose, length	Super Soft, 3/8", 80 cm
2nd stage front cover	Mesh-Grid, full-size, purge valve
Weight	1st stage: 693 g (DIN), 686 g (INT) 2nd stage: 198 g
Quantity of air supplied	1st stage: 4000 l/min; 2nd stage: 2300 l/min
Values according to EN 250	breathing effort = 0.67 J/l (limit = 3.0 joules per liter)
Suitable for cold water	yes, EN 250 certified
Suggested retail price	€ ***.00
Prestige Octopus	€ ***.00

Product photos with resolution up to 300 dpi are available at: <http://media.mares.com/>

Contact us. We'll be happy to send you your personal access information.

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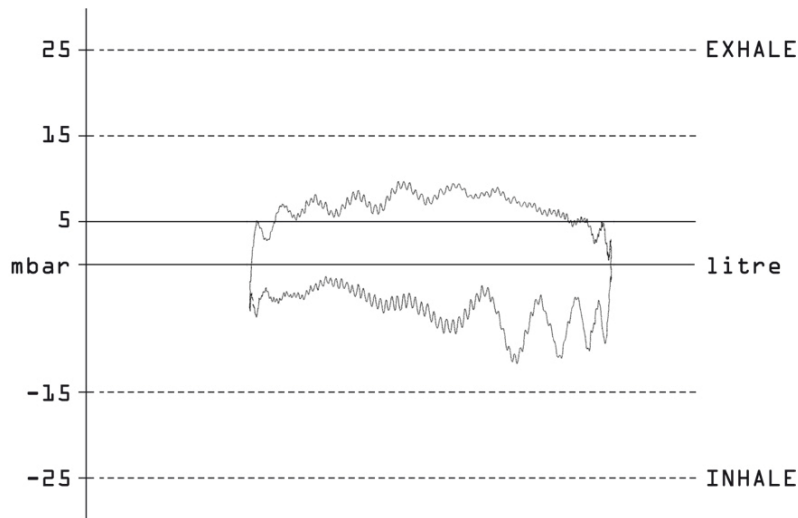
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Prestige 12

nhale pressure	=	10.64 mbar
inhale pos pressure	=	0.00 mbar
exhale pressure	=	9.61 mbar
ext work of breathing	=	1.13 J/l
inhale work	=	0.46 J/l
pos inhale work	=	0.00 J/l
exhale work	=	0.67 J/l

pressure - volume diagram at depth of: 50.4 msw (165.5 fsw)



All Mares Nitrox regulators are tested in accordance with European standard EN13949.

All Mares Nitrox regulators are compatible with oxygen mixes up to 100% O₂ and they are equipped with a dedicated connection, in conformity with European standard EN144-3