

Tatum Mono FS pressure regulator

The **Tatum Mono FS** pressure regulator offers a simple way of reducing the high pressure to the working pressure of the connected breathing regulators. The pressure is regulated in straight proportion to the ambient pressure. Instead of the usual steel spring, a pre-pressurised gas cushion is used as the reference or setpoint. This allows you to use a larger working piston, thus facilitating better control behaviour and optimum heat exchange. Gas-pressure-controlled pressure regulators offer excellent fine adjustment while still being able to handle high gas flow rates. The control behaviour is not affected by the set working pressure (medium pressure), and in turn does not affect the functioning of commonly used breathing regulators. Large surfaces and line cross-sections facilitate the exchange of heat between the surroundings (water) and the depressurised gas, an effect that can be enhanced by ensuring that the flow characteristics of the gas are as laminar as possible. Even at low water temperatures of < 4°C, the depressurised gas is not much colder than its surroundings. This prevents ice from forming on moving components, even when the gas is moistened.



The **Tatum Mono FS** pressure regulator is made of a titanium alloy, and has a modular design.

The **Tatum Mono FS** pressure regulator comprises the following modules:

High-pressure connection with filter / Housing / High-pressure cartridge / Reference pressure cartridge

This makes cleaning, maintenance, annual check-ups, five-year maintenance and repairs (if required) much easier. A few spare parts are all that is required to maintain operational reliability, and operating costs are kept to a minimum.

Technical data:

Material: Titanium alloy with a strength of 900 N/mm²
 Weight: 0.7 Kg
 Pressure: Up to 300 bar
 Dimensions: Diameter 55 mm, length 90 mm (without HP connection)
 HP filter: Porous plastic, permeability < 35 µm
 HP outlets: 2, 7/16"-20 UNF
 MP outlets: 4, 3/8" – 24 UNF

The **Tatum Mono FS** pressure regulator has the following components:

Kirby Morgan EXO 26 BR full-face mask
 Mares Orbiter breathing regulator
 Apeks TX 100 breathing regulator
 Interspiro Divator full-face mask

and has been tested and certified as a breathing regulator module with these components in accordance with DIN EN 250.

Certification office: Germanischer Lloyd Hamburg CE 0098

Item no.: **09.08000.0003**

Annual pressure regulator check-up

(excl. postage and packing; excl. replacement HP filters and cartridges)

Five-year maintenance

(excl. postage and packing; excl. replacement HP filters and cartridges)

Free