



MK 17 BALANCED DIAPHRAGM

OVERVIEW

PARAMETERS

A **high performance** balanced diaphragm first stage regulator, the MK17 has been engineered for harsh environments and for use in ice cold water or polluted environments. Resistance to cold has indeed been a key element in the engineering of the MK17.

- Dry ambient pressure chamber, providing better performance in cold water than any other diaphragm regulator.
- The diaphragm design prevents the entry of water into the first stage mechanism and enhances a trouble-free operation, even in the coldest conditions.
- **Patented** finned cap with ribs acts as a radiator to increase the surface area of heat transfer from the water to warm the internal parts.

The balanced technology provides consistent performance at all tank pressures, at any depth and optimizes the second stage performance, thus allowing for effortless breathing.

- **Two opposite high pressure ports-** The arrangement of high and low pressure hoses is crucial to diving comfort. Two opposite high pressure ports allow for an individual positioning of the first stage (pointing up or down). This allows the diver to position the gauges either on the right or left side and increases the freedom of movement for head and neck.
- **Multiple low pressure ports-** For ultimate freedom in the arrangement of low pressure hoses, the MK25 accommodates five HF (high flow) ports on a swiveling turret, which allows for 360 degree swivel of hoses. The MK17 and MK11 feature four stationary low pressure ports, two of them HF. High flow ports deliver about 15% more air than conventional ports.
- **DIN/INT first stage configurations-** To ensure worldwide compatibility, all **SCUBAPRO** regulator systems are available in a 200bar INT version as well as 300bar DIN versions.
- **Externally adjustable intermediate pressure-** Allows authorized **SCUBAPRO** service technicians to quickly fine tune or make adjustments after maintenance without the need to disassemble the first stage.

Cold Water Diving With SCUBAPRO:

Diving conditions can be drastically different, including extreme cold water and outside temperatures, posing the possibility of a regulator "freezing". Therefore, resistance to freezing is imperative for the diver. All **SCUBAPRO** regulator systems are CE approved for 4300psi cold water diving. Some models go even beyond this super stringent qualification and have successfully been tested in extreme cold diving conditions at less than 36°F. As a specific anti-freezing measure, **SCUBAPRO** engineers have designed a patented finned cap for both the MK17 and the MK25 first stages for optimal cold water diving. The ribs act as a radiator to increase the surface area of heat transfer from the water to warm up the internal parts that have been drastically cooled down by the gas pressure drop. On the MK17, a dry ambient pressure chamber enhances the resistance to real ice cold water at any depth compared to other dry chamber diaphragm first stages. For cold water diving, **SCUBAPRO's** second stages feature precision molded carbon

fiber and technopolymer valve housing and components. They even exceed the CE cold water norm. In addition, these components contribute to their lightweight features and corrosion resistance.

See product at:

<http://www.scubapro.com/americas/english/scubapro-products/regulators/first-stages/mk17>