

A highly refined reg

At first glance, Scubapro's S620 Ti second stage regulator could easily be mistaken for the manufacturer's top-selling S600. Placing them side by side however, it's immediately apparent that the S620 is smaller and lighter in form and there are a number of subtle cosmetic changes.

Said to offer a breathing effort roughly two-thirds that of its predecessor, I paired the S620 Ti with Scubapro's high performance, balanced-piston MK25 EVO first stage and took to the water to check it out.

Setting up was simple: on the first stage, two opposing high-pressure ports are situated so that the first stage can be orientated either way up, according to preference, and four high-flow low-pressure ports are spaced around the rotating turret, plus a fifth on top. The chrome-over-brass bodied EVO's mechanical components are fully insulated from the cold thanks to its patented Extended Thermal Insulating System. The compact unit weighs in at 570g in the 300-bar DIN configuration.

The S620 Ti itself feels like a solid, hard-wearing, quality piece of kit and its attractive matt black and silver colour scheme has a timeless look. The Ti suffix, as you may have suspected, indicates the presence of a corrosion-resistant titanium barrel. In addition to providing increased longevity, this titanium component also brings a significant reduction in weight.

While the dimensions of the second-stage valve's diaphragm remain identical to the S600, its reinforced techno-polymer case is smaller and boasts a stainless steel reinforced cover. These factors combine to produce a second-stage weighing only 179g, excluding the mouthpiece.

If you like to fine tune your breathing effort, the S620 Ti has an inhalation-effort adjustment knob plus a Venturi-Initiated Vacuum Assistance (VVA) lever. Flipping the graduated VVA control to the full 'dive' position, my plan was to descend onto a shallow seabed with a gradual incline leading to a substantial drop-off. As my depth increased I would be able to use this as an opportunity to adjust the breathing



effort specifically to suit my needs. The regulator performed flawlessly throughout. Hitting a strong current where my physical workload increased, I simply rotated the knob to provide a greater gas flow and then back again when the current receded.

Performance is the ultimate measure of a regulator, but comfort comes a close second and the S620's exclusive Hi-Flow mouthpiece required very little effort to keep it firmly in place. Its well-designed exhaust tee does an admirable job of keeping exhaled gas well away from view, while the large purge button is easy to locate and operate.

S620 Ti / MK25 EVO
Company: Scubapro
Price: £585
Web: www.scubapro.com

SCUBA says

Compact, robust and with an increased longevity afforded by its corrosion-resistant titanium barrel, the Scubapro S620 Ti offers all of the features that made the S600 such a successful product, but in a smaller, lighter, higher-performing package.

