



# PARTIAL MIXING

DIVEGAS: FULL-AUTOMATED FILLING SYSTEMS





Our latest DiveGas project for the Danish Navy Seals and Mining Squad is a fully automated filling system.

The main pointers of requirements for the system were:

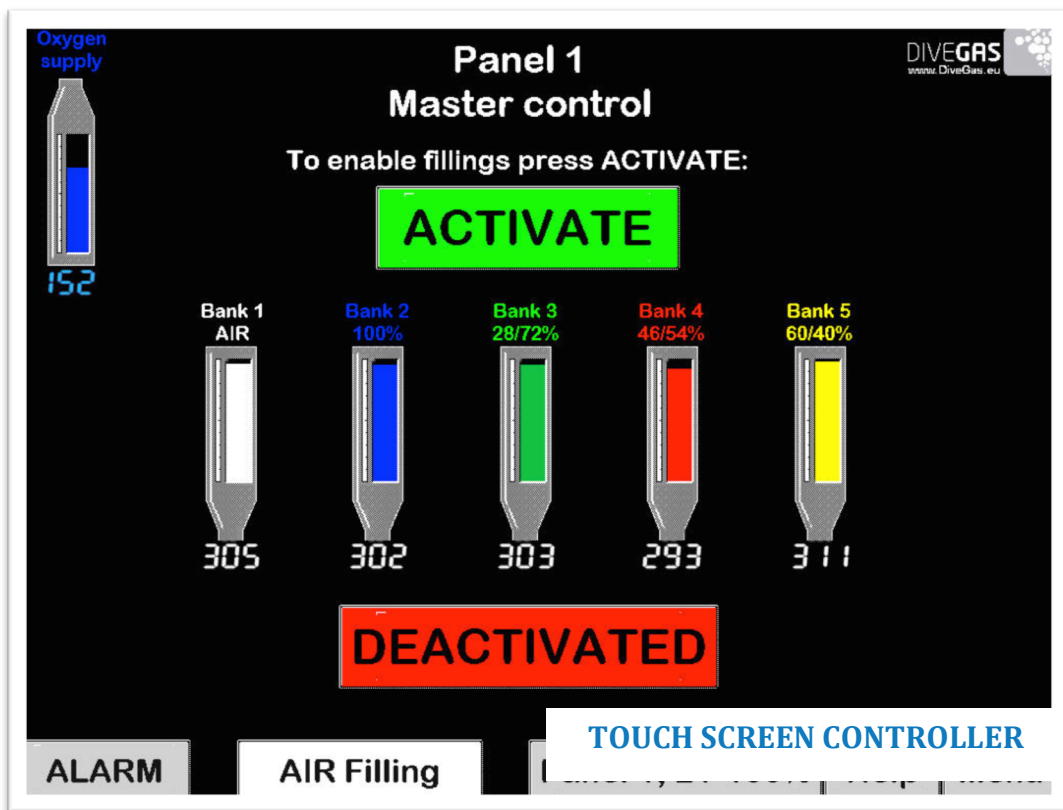
1. Easy and fast to use.
2. Minimum possibilities of mistakes like wrong fillings.
3. Several fillings at the same time with different gas mixtures.
4. Handling blends with oxygen contents of up to 100%.

To fulfill the requirements, the system was built as a fully automated system.

The system contains and controls: a 300 l/min compressor, 5 gas banks, a mixing panel for mixing the different gases, a valve panel for distributing the gases between the mixing panel, gas banks and gas outlets. 5 Stainless steel filling panels, with handles, hoses and supports for dive cylinders.

The whole system is controlled by a 15" touch screen controller, with 4 smaller touch screens, for local control and supervision of the filling outlets









**GAS BANKS**



**FILLING OUTLETS AND CONTROLS**





**FACTS AND CAPACITIES:**

- Continuous gas supply up to 240 liters a minute.
- "Boost supply" with filled banks up to 2400 liter a minute.
- Gas mixes with an oxygen content of 100%.
- Internal system pressure up to 600 bars.
- M26 x 2 outputs with flow stop and flow restrictions to meet dive cylinder materials.
- Available with TRIMIX and HELIOX.
- Emptying of supply gas cylinders down to 15 bars

