SUBSEA CONTROL
RELIABILITY IN EXTREME APPLICATIONS

APPLICATION FOCUS

▪ PUMPS
▪ VALVES
▪ REGULATORS
▪ INTENSIFIERS
Oilgear pumps thrive on low viscosity fluids and are some of the most rugged, longest lasting pumps on the market. Operating pressures range up to 1000 Bar, with flows ranging up to 900 LPM.

The ability of our pumps to thrive on environmentally-friendly, high-water-content fluids has caused the Oilgear name to become linked to a number of fluid brands, such as Skydrol®, Houghto-Safe®, Erifon®, Stack Magic®, Pelagic®, and Oceanic®.

The Oilgear pump is intended for subsea application such as ROVs, subsea HPUs, BOP pressure testing, subsea production control, and BOP actuation.

Oilgear brings aerospace valve reliability to the subsea control environment.

The patent-pending pressure-assisted design utilized in our Directional Control Valves allows for 60% fewer parts than the competition while also assuring that the valve never sticks in a mid-shift position. The metal-on-metal seating surface makes for an extremely robust product, capable of over 100,000 cycles. The cartridge design enables easy installation and servicing and minimizes the opportunities for user error.

Oilgear has been producing high-pressure Relief Valves for nearly a century. Our Subsea Relief Valves are based on our time-tested designs, adapted for the subsea environment.
The traditional subsea pressure regulator is a notoriously poor performer, prone to oscillation and leakage. Oilgear has leveraged a century of hydraulic design expertise to create its superior Subsea Pressure Regulator.

The Oilgear Subsea Pressure Regulator is extremely accurate and will not oscillate. It’s available as pilot operated, manually settable, or electrically commandable.

The Oilgear Regulator is retrofittable – its ports configurations can be adapted to your interface.

The Oilgear extreme-life, self-reciprocating Intensifier is designed for compatibility with challenging subsea fluids. It is available in various intensification ratios and flow rates.

All of the Intensifier’s logic elements travel within the cylinder. The intensifying cylinder has end-switches that get mechanically toggled at the extremes of its stroke. These switches determine the state of the Intensifier’s pilot signal. The state of the pilot signal, in turn, determines if the Intensifier is on its power stroke or its recycle stroke.

**Recommended applications:**
- Boosting of pressure for ROV tooling
- Seal testing
- Boosting of energy in subsea accumulators
- Chemical injection

**ABOUT OILGEAR**

Founded in Milwaukee, Wisconsin on a tradition of bringing only the most advanced engineering to our customers, Oilgear continues to set the standard in industries requiring precise, high-performance hydraulic systems, often operating in the harshest of environments.

Though Oilgear is most recognized for its robust line of pumping products, Oilgear also offers cartridge valves, subsea pressure control solutions, and electrical embedded controllers. Additionally, Oilgear is a worldwide provider of complex fluid power control systems, and has a strong presence in forging and extrusion press control systems, as well as high-specification HPUs and high-pressure hydraulic systems.