

COMPACT[®]
AUTOMATION PRODUCTS

Sub-Sea Components



Subsea Components

Reliable performance is critical in energy production and is exceptionally critical at 10,000 feet. Look to Compact for innovation and reliability of our motion control and energy absorption solutions for subsea applications.

Our products can assist with the following critical applications:

- Linear subsea actuators for subsea tooling and emergency valve actuation.
- Rotary subsea actuators for operation of ball valves, paddle valves and shear seal valves.
- Subsea ready shock absorbers for sea-floor landing of high value equipment.
- Subsea ready pressure switches for subsea control module systems monitoring.



When it comes to
subsea components,
think about ITT.



Enidine Subsea Ready Shock Absorbers

- Custom constructed subsea shock absorbers for softening impact at ocean floor for lowered equipment.
- Orifice seawater! No hydraulic oil.
- Environmentally safe.
- Can be designed for one-shot use or multiple uses.
- Stainless steel construction with optional materials available.
- Bore sizes up to 6"; stroke lengths up to 60"; rod diameters up to 3.5".
- Energy capacities up to 9,000,000 in-lbs.



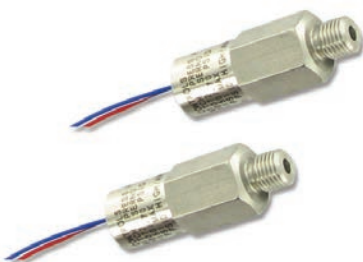
Compact Automation Products Subsea Linear Actuators

- Hydraulic service to 5,000 psi.
- Electro Polish 316 Stainless steel constructed with optional materials available, Super Duplex, Duplex, Nitronic 50, Nitronic 60, 17-4 SS, Inconel, Elgiloy, NAB, Hard Anodized Aluminum.
- Bore sizes to 2.5" - 24", Rod sizes 0.62" - 3.5" diameter.
- Internal spring packages available.
- Unlimited customization options.



Turn-Act Subsea Rotary Actuators

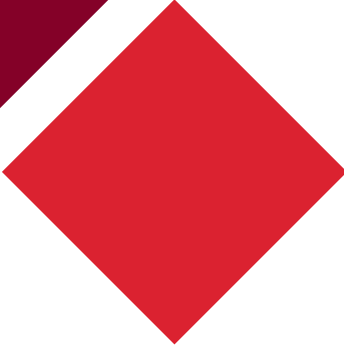
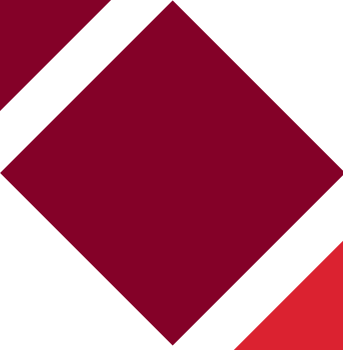
- Highest rotary torque output in the smallest package available.
- Hydraulic service pressures to 500 psi.
- 3,500 in-lbs. torque at 500 psi. hydraulic input for size 3 double vane rotary actuator. 1750 in-lbs. for size 2 and 875 in-lbs. for size 1.
- Rotational ranges of 45, 90, 180 and 270 degrees. Zero backlash.
- Available in Hard-Coat Anodized Aluminum and 316 Stainless Steel construction. Special materials available upon request.



Neo-Dyn Subsea Pressure and Temperature Switches

- Mounted within Subsea Control Modules at depth. (SCM)
- Actuation set points on increasing or decreasing pressure, depending upon the application.
- Belleville spring sensing mechanism means No false actuation.
- Provides actuation signal output in support of alarm and shut-down functions in event of system pressure abnormality.
- Perfect for subsea 'valve open'/'valve closed' verification to top-side operations personnel.
- System pressures to 5,000 psig.
- Custom variations available.





COMPACT[®]
AUTOMATION PRODUCTS

Compact Automation Products, LLC
105 Commerce Way
Westminster, SC 29693
Tel: 864.647.9521
Fax: 864.647.9574
www.compactautomation.com