

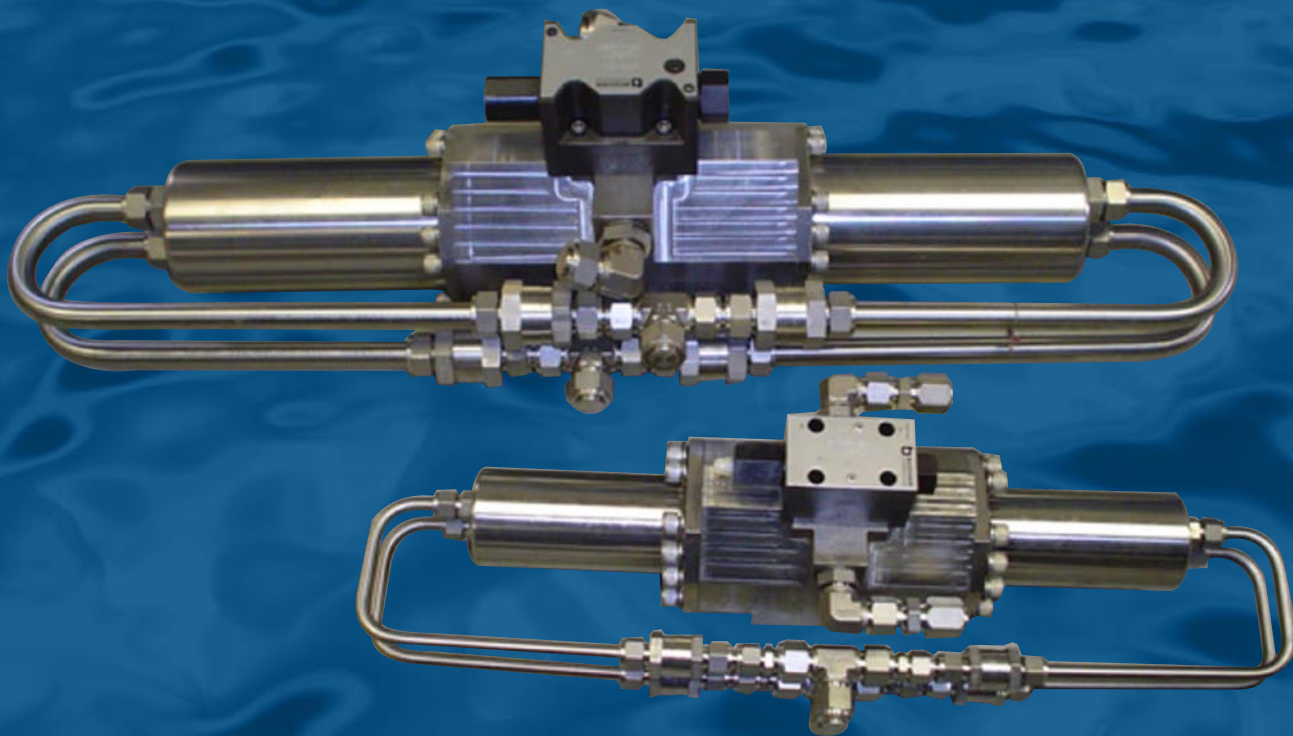
DUPLEX PISTON PUMPS

Oceanneering has designed and built a range of Duplex Piston Pumps. These pumps are based upon a reciprocating piston intensifier, with fixed displacement.

Hydraulically powered by the host ROV, the pumps are available in two sizes, the 15 hp Series and the 50 hp Series, with a wide range of pressure ratios available in each series.

The pumps are the basis for multiple tooling applications, including Subsea Hydrotesting, Hydrate Remediation and General Fluid Intervention.

The pumps are not compatible with Methanol. For Methanol compatible pumping, use the Duplex Plunger Pump.



Standard 15 hp Series

Hydraulic Supply: 3000 psi @ up to 8 gpm
 Weight in Air: approx 40 lbs
 Weight in seawater: approx 30 lbs

OI Part #	Input / Output Ratio	Max Output Pressure	Max Output Flow	Reciprocation Control
0025594	1.94 : 1	5,500 psi	3.5 gpm	Automatic
0033249	1.94 : 1	5,500 psi	3.5 gpm	Manual / Pilot
0027012	3.76 : 1	10,500 psi	1.8 gpm	Automatic
0037925	3.76 : 1	10,500 psi	1.8 gpm	Manual / Pilot
0026646	6.11 : 1	17,500 psi	1.1 gpm	Automatic
0033248	6.11 : 1	17,500 psi	1.1 gpm	Manual / Pilot

Other ranges available upon request

Standard 50 hp Series

Hydraulic Supply: 3000 psi @ up to 24 gpm
 Weight in Air: approx 85 lbs
 Weight in seawater: approx 70 lbs

OI Part #	Input / Output Ratio	Max Output Pressure	Max Output Flow	Reciprocation Control
0031802	1.56 : 1	4,400 psi	12.0 gpm	Automatic
0033249	4.22 : 1	12,000 psi	4.5 gpm	Automatic

Other ranges available upon request

- Hydraulically driven, reciprocating piston intensifier.
- Available in both 15 hp and 50 hp series
- Available in multiple output pressure ranges, from 3000 psi to 20000 psi.
- Direct linear relationship between input pressure and output pressure
- Direct linear relationship between input flow and output flow
- Manual / Piloted version available for fine control of discharge pressure when pressurizing small volumes
- Fluid Compatibility : Seawater, hydraulic fluids, control fluids (HW 525 / 443 etc)
- NOT compatible with Methanol (see separate MeOH Pump)

