



Ocean Pumps_®

Ocean Pacific Technologies (OPT) manufactures a unique line of advanced axial piston pumps (APP) designed for corrosive, low viscosity fluids such as seawater. OPT's patented ceramic bearing systems allow our APP to tolerate a wide range of process water quality and particulate/solids material. And our axial piston pump can be efficiently and economically applied over a wide range of flow rates from a few gallons per minute to thousands of gallons per minute at pressures up to 1000 psi/69 bar. Ocean Pumps® are the most efficient (up to 95%), light weight, compact and low maintenance pumps in their class.

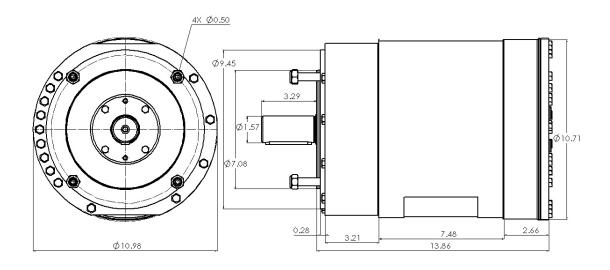


Some features and benefits include:

- **Ultra-low maintenance water lubricated design** 8000 hour maintenance free operation with no oil changes or other preventative maintenance tasks.
- Lowest energy consumption Positive displacement design operates at up to 95% efficiency
- **Smooth flow operation** Axial piston rotary design requires no pulsation dampeners even at high flows
- **Corrosion resistant** Constructed from Duplex stainless steel, ceramic and polymer materials for seawater, brine and other corrosive fluids
- **Compact design** APP pumps require approximately ½ the space and weight of plunger pumps and can be close coupled to electric motor.
- Modular design Simply add pumps to increase flow.

Ocean Pumps® Performance Specifications

Model #	OP-135	OP-165
RPM (min / max)	700 / 1500	
Max flow (gpm) / (m³/hr)	138 / 31	169 / 38
Pump kW @ 1500 rpm and 1000 psi (69 bar)	72	87
Max discharge press (psi / bar)	1160 / 80	
Min inlet press (psi / bar)	29 / 2	
Max inlet press (psi / bar)	75 / 5.2	
Weight (lb / kg)	232 / 105	
Inlet port Outlet port	3" grooved Vic	
	2-1/2" grooved Vic	



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Notes:

- 1. Maximum discharge pressure 69 bar / 1000 psi
- 2. Pre-filtration requirement is 100 micron strainer.
- 3. Units are manufactured in duplex stainless steel as standard.
- 4. Pumps will not lift water, a positive head is required at all times.

- 5. Pumps are supplied with clockwise rotation when facing shaft.
- 6. Contact OPT for performance and operating parameters outside specified limits
- 7. Manufacturer reserves the right to make changes to specifications at any time.