

Part no.	Description
40-0116-180	SmartCylinder, Front Mount, Starboard Cable Exit
40-0116-181	SmartCylinder, Front Mount, Starboard Engine with Port Side Bracket to Tiebar
40-0116-182	SmartCylinder, Front Mount, Port Side Engine with Starboard Bracket to Tiebar
40-0116-188	Pump, EPS
40-0116-187	Pump Control Module (PCM)

Note: The images shown are for illustration purposes only and may not be an exact representation of the product.

## SmartCylinder

The Dometic Optimus SmartCylinder is a hydraulic steering cylinder equipped with a magnet and position sensor (RFU), designed to steer a single outdrive or up to two rudders/outboard engines connected by a tie-bar. It offers reliable system operation with no additional RFU required for autopilot integration. Compatible with most outboard engines, it provides smooth, efficient steering for a variety of setups. Its robust design ensures optimal performance in demanding marine environments.



## Hydraulic Steering Pump

The Dometic Optimus EPS hydraulic steering pump supplies pressurized fluid to the SmartCylinders for smooth, precise boat steering. A PCM-controlled 12 V DC motor drives an on-demand gear pump with integral fluid reservoir, pressure relief valves and a built-in service/bypass valve for manual engine repositioning during service or emergencies. The pump is designed to cut overall power consumption, with no need for an oil cooler or separate autopilot pump and with limp-home capability on remaining engines. Sealed locking connectors and an ignition-protected, SAE J-1171 rated design ensure reliable, vibration-resistant operation that meets Coast Guard requirements.



## Pump Control Module (PCM)

The Pump Control Module (PCM) is the central brain of the hydraulic steering system, receiving wheel-movement messages from one or more helms and driving the steering pumps to turn the vessel as required. Using position feedback from SmartCylinders, it delivers precise steering control and built-in fault detection, and it can also respond to inputs from a certified autopilot system (no additional autopilot pump or RFU needed). Engineered for durability, the PCM ensures reliable operation of the entire system, provides dependable cable protection from vibration, and keeps the steering system performing at its peak.

