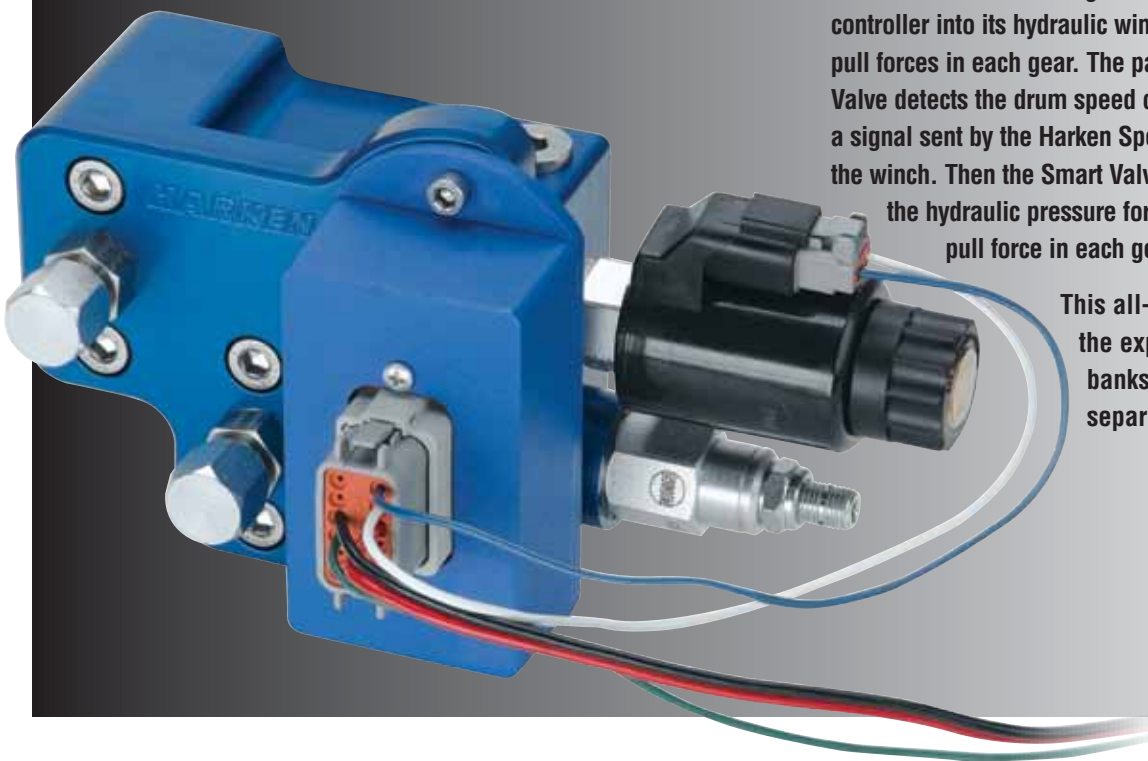


Harken Smart Valves



Harken is the first to integrate a programmable valve controller into its hydraulic winches for optimal and safe pull forces in each gear. The patented Harken Smart Valve detects the drum speed of a hydraulic winch from a signal sent by the Harken Speed Sensor located inside the winch. Then the Smart Valve automatically adjusts the hydraulic pressure for optimal line speed and pull force in each gear.

This all-in-one package saves the expense of additional valve banks and programming a separate PLC.

USES

Integrates Harken winches with the yacht's hydraulic systems to maximize performance.

FEATURES

The Harken Speed Sensor detects the speed of drum rotation and sends a signal to the Smart Valve's built-in valve controller. The Smart Valve then automatically adjusts hydraulic pressure in each winch gear to optimize line speed and pull force.

- **1st gear:** Valve opens electronically allowing full pressure for maximum line speed.
- **2nd gear:** Motor turns in opposite direction. Valve is factory set to match winch size for optimal performance.
- **3rd gear:** Valve automatically reduces pressure, allowing maximum pull force with a safe amount of torque on the drive shaft.

The Smart Valve requires 24-volt DC when the winch is operational; if power is lost the Smart Valve defaults to the lowest pressure for safety.

MATERIALS

The Harken Smart Valve is made of strong, lightweight 6061-T6 anodized aluminum.

The valve controller is IP-67 rated for protection against dust and water immersion in a marine environment.

OPTIONS

The Smart Valve is specifically programmed for each winch size. Available for 1111, 1130, and 1135 Harken hydraulic winches.

The Smart Valve mounts directly to the winch motor, or mounts remotely in line between the valve and the winch motor.



Available for 1111, 1130, and 1135 Harken hydraulic winches