



PRESSURE CONTROL

PRECISION | DURABILITY | INNOVATION

ELECTRO-HYDRAULIC POWER UNITS

The Hydrapulse® EHPU has built in pressure sensors and pressure control modes allowing for efficient and precise pressure control in clamping or torque control applications. The motor will receive a pressure command over CAN bus and work to vary speed of the pump to maintain this pressure level. When the pump is paired with a simple valve package this can allow the pump to turn off automatically when the pressure is reached and rapidly start up once flow is needed.

The Hydrapulse® EHPU also includes the Terzo patented low pressure return oil cooling that greatly simplifies the implementation of the system while maintaining the benefits of a liquid cooled system.

EFFICIENT PRESSURE CONTROL

Precise pressure control is critical in some applications, this typically is done with variable displacement pumps which can be very loud and complex or simply dumping excess flow over pressure relief valves. More complex systems will utilize a VFD to vary the motor speed based on system flow demand to maintain pressure. This approach can drastically increase efficiency, but is more complicated to setup. The Hydrapulse® EHPU brings the benefits of the VFD system into a plug and play package that anyone can implement.

