

QP100A HYDRAULIC POWER UNIT

DESCRIPTION

This all in-tank hydraulic power unit provides the fluid power necessary to articulate any large Quantum stabilizer. The fully submerged, fan-less electric motor coupled with the 165 cc multi pressure pump with integrated ripple chamber adapts to its pressure, therefore minimizing ambient noise. Multiple vibration dampeners in and outside the unit ensure minimal structural vibration transfer to further reduce noise.

Designed for any contingency, the heat exchanger with integrated fins and added gear pump will ensure the hydraulic system always keeps its cool. Independent hand and a 1.75 hp integrated emergency backup pumps guarantee operability during commissioning, testing, or power failures and even can be used for emergency retraction of the stabilizers.

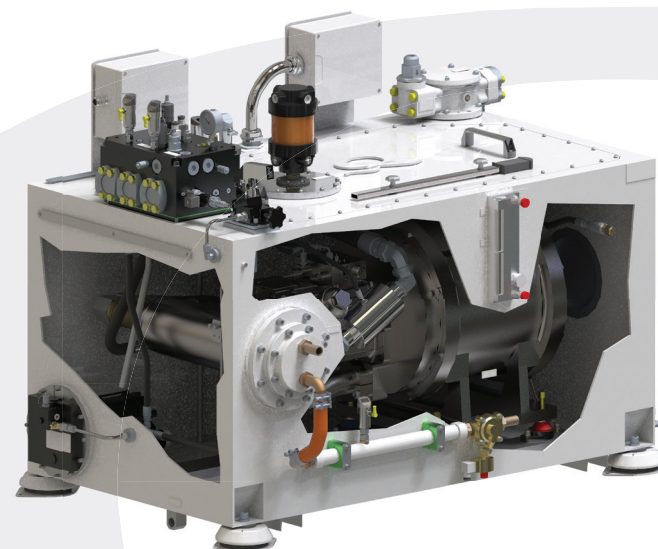
FEATURES

SIMPLE INSTALLATION: The QP100A consolidates maximum machinery output into a small footprint. This compact unit can be easily positioned into tight machinery spaces designed to incorporate maximum hydraulic function within a single “plug and play” assembly. Thus, straight-forward connections for mechanical installation, as well as hydraulic and cooling pipe work.

EFFICIENT: The power unit, housed in a stainless steel tank only draws the minimum power necessary to operate the hydraulic components on demand, thus reducing the load on the vessel’s electrical power grid and cooling systems.

MINIMAL NOISE: This is Quantum’s quietest 100 hp HPU to date, independently tested to optimize components for minimal vibration levels.

APPEARANCE: The durable high gloss epoxy paint finish is mirrored by the military grade black anodized manifold. All DIN plugs are illuminated to show their activity while the clear digital displays for temperature, pressure and level can be easily read on the HPU or remotely on a HMI.



Operating Capacity*	75 kW (100 hp)
Operating Pressure	207 bar (3000 psi)
Tank Capacity	920 L (243 gal)
Length (overall)**	1626 mm (64")
Height (overall)**	1159 mm (45.6")
Depth (overall)**	1123 mm (44.2")
Weight (dry)	1037 kg (2287 lbs)

**Provided for reference only. Consult a Quantum representative for system sizing.*

*** Dimensions are of the equipment, and do not include service allowances.*

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*Equipment is covered by Quantum’s 1 year comprehensive warranty.
Service and technical support are available worldwide.*