

DATA SHEET – HPU005

HYDRAULIC POWER UNIT

Overview

Pressure Dynamics' HPU005 is a zone rated HPU designed for flushing and function testing in controlled environments.

This unit boasts a large stainless reservoir, twin pumps, high-end filtration and ESD controls.

Build Specification

Gross Weight	700kg
Dimensions	L:1.80m, W:1.10m, H:1.40m
Typical Design Life	20 years
Environmental Cert.	Typ. -5°C to 45°C, Typ. DNV
Cathodic Protection	RP-B401
Frame / Skid construction	Material: Steel plate AS3678 grade 250/350. Welding: AS1554.1 CAT SP
Hydraulic Tube Work	
Materials Certification	Typ. ASME B31.3 EN 10204 3.1
Lifting specification	MO32



Operating Specifications

Fluid Types	Mineral Oil
Power Input	Electrical, 5m 32A 3Ø Plug
Pump Pressure	50bar
Pump Flow	400 L / min
Controls	ESD
Filtration	Return, pressure, and offline
Tank	Stainless Steel 600L
Motors	2x 22kW Electric Motors [Ex Zone II rated] 415V/ 50Hz
Pumps	2x TZD 200L/min@1460rpm VQ3545D1A Vane Pumps 1x 115L/min@1460rpm VQ3525D1A Vane Pump.

ABOUT PRESSURE DYNAMICS

Pressure Dynamics is an engineering and services contractor specialising in hydraulic and lifting solutions.

Our team of highly skilled project managers, engineers and technicians are committed to collaborating with our clients in providing innovative, quality-assured services and products that deliver superior function, reliability and safety.

When we deliver, we focus on:



RELIABILITY

Optimising equipment and system performance - to maximise your ROI.



PRODUCTIVITY

Maximising operational reliability of assets and equipment safely and cost-effectively.



INNOVATIVE SOLUTIONS

Developing creative, fit-for-purpose solutions to meet our client's true needs and objectives.



RISK MANAGEMENT

Delivering and maintaining quality, cost-effective and safe equipment and assets while mitigating risk.



MUTUAL SUSTAINABILITY

Delivering skill, knowledge and understanding through our documentation, user-intuitive products and training services.

Market sectors we operate in:



Oil & Gas



Mining



Marine



Defence



Infrastructure



Power & Utilities

Our location network



Abu Dhabi, UAE
Ghana, W Africa

