

# DATA SHEET – HPU015

## HYDRAULIC POWER UNIT

### Overview

Pressure Dynamics HPU015 is a high powered mobile test and flushing unit designed for flushing and testing using water based fluids.

Features include:

- compact lifting frame;
- Remote compensated piston pump with horsepower controller and load sensors
- Pressure and return line filtration to 5µ

### Build Specification

<b>Gross Weight</b>	850kg
<b>Dimensions</b>	L:1.80m, W:1.30m, H:1.27m
<b>Typical Design Life</b>	20 years
<b>Environmental Cert.</b>	Typ. -5°C to 45°C, Typ. DNV
<b>Cathodic Protection</b>	RP-B401
<b>Electrical Systems</b>	Typ. IECEx certified
<b>Frame / Skid construction</b>	Material: Steel plate AS3678 grade 250/350. Welding: AS1554.1 CAT SP
<b>Hydraulic Tube Work</b>	Typ. ASME B31.3
<b>Materials Certification</b>	EN 10204 3.1

### Additional Pump Information

All blast heat exchanger

- (Not rated for Zone II, can be isolated)



### Operating Specifications

<b>Fluid Types</b>	Water Glycol
<b>Power Input</b>	Electrical, 10m 32A 3Ø Plug
<b>Pump Drive 1</b>	Electro-hydraulic (low press.)
<b>Pump Drive 2</b>	Pneumatic (high press.)
<b>Tank Data</b>	Stainless Steel 225L
<b>Pump 1 Pressure</b>	280bar
<b>Pump 2 Pressure</b>	1300bar
<b>Pump 1 Flow</b>	0 – 30 L / min
<b>Pump 2 Flow</b>	0 – 0.5 L / min

# 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

