

# DATA SHEET – HPU017

## HYDRAULIC POWER UNIT

### Overview

Pressure Dynamics HPU0017 is portable flushing HPU with pressure testing capabilities.

Designed for mineral oil service, with dual outlets and directional control this unit suits valve functioning and flushing perfectly.

Features include a TDZ Electric Motor, Haskel MS-100 air driven test pump

### Build Specification

<b>Gross Weight</b>	900kg
<b>Dimensions</b>	L:1.20m, W:1.125m H:1.575m
<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

### Operating Specifications

<b>Fluid Types</b>	Mineral Oil
<b>Pump Drive 1</b>	Electro-hydraulic (low press.)
<b>Pump Drive 2</b>	Pneumatic (high press.)
<b>Tank Data</b>	Stainless Steel 300L
<b>Pump 1 Pressure</b>	Low Pressure: 150bar
<b>Pump 2 Pressure</b>	High Pressure: 680bar
<b>Pump 1 Flow</b>	50 L / min
<b>Pump 2 Flow</b>	0.1 L / min



### Additional Pump Information

#### Electric Motor

- Ex Rated for Zone

#### Low Pressure

- 2 spool manually operated valve.
- Pressure and return line filtration to 5µ.

#### High Pressure

- Pneumatically operated Haskel pump, Atex approved.

#### Control

- Double block and bleed

# 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

