



**Seadraulics**  
Subsea Fluid Mechanics

## 3 STAGE FLUID INJECTION UNIT

**HPW 800**



### FEATURES

- Adjustable hydraulic outputs
- Customizable pressure levels
- Compatible with most type of fluids
- ON / OFF control of hydraulic supply to the pump
- Operational hoses supplied
- Can supply various sized bladders to suit

### DESCRIPTION

The Seadraulics 800 bar 3 Stage Fluid Injection Unit (FIU) is a compact and integrated all-in-one unit based on the reliable and highly regarded Dynaset HPW800 pump.

The patented HPW pump utilizes the reciprocal motion of a hydraulic piston. Hydraulic supply from the ROV moves the piston assembly until one of the water plungers reach the end position; the incorporated reversal valve then changes direction of hydraulic flow, so the piston assembly is set in the opposite direction. The motion causes a vacuum to be developed at the pump intake line and a positive pressure is developed in the output line. (Pumping fluid for the water jetter is taken directly from the surrounding seawater – however if required Seadraulics can supply appropriate compensators and extra valve assemblies to allow the system to pump most types of alternative fluids, such as TransAqua, Glycol and other well control fluids).

ON / OFF control of hydraulic supply to the pump, including adjustment of flow and pressure has been integrated by Seadraulics into a custom designed manifold.

### TECHNICAL SPECIFICATIONS

Hydraulic input:	210 bar / 140 lpm
Hydraulic output:	800 bar / 30 lpm
Pressure selection:	3 separate, independent selections
Fluid compatibility:	Methanol, Mineral Oils, Water, Glycol Mixtures
Dimensions:	500 mm x 550 mm x 250 mm



Seadraulics Pty Ltd  
4/11 Anvil Way  
Welshpool WA 6106 AUSTRALIA

Phone: +61 427 080 404  
Email: [info@seadraulics.com](mailto:info@seadraulics.com)  
Web: [www.seadraulics.com](http://www.seadraulics.com)