# HSP Hydraulic Submersible Pump

DYNASET HSP Hydraulic Submersible Pump converts the hydraulic power of a mobile machine, vehicle or vessel into high volume water pumping power.

High pressure water

**HSP HYDRAULIC SUBMERSIBLE PUMP**

## Key Benefits

Compact size and durable design enable the submersible pump to tolerate mud and water containing solid substances such as rocks.

* Versatile, easy to move
* Light weight
* High efficiency
* Safe to use
* Reliable
* Safe to run dry and do not wear out
* Low maintenance
* Two-year or 2000 hour warranty

## Features

The submersible pumps produce from 800 l/min up to 20 000 l/min water flow depending on the model. They have good features.

* Robust and simple design
* Tolerates solids and abrasive substances
* Tolerates mud, rocks, chop hay, rootstocks and other substances without clogging
* No electricity, no risk of electric shock
* requires only the hydraulic connection of pressure and return line to work
* Hydraulically driven slurry pump’s Hardox impeller creates a powerful pumping action
* No wearing parts

## Applications

* Large quantity water pumping
* Draining excavations
* Sludge pumping
* Feed pumping e.g. drill fluids
* Flood pumping solutions
* Container filling
* Construction work sites and flooded areas

## How Does the Hydraulic Submersible Pump Work?

The hydraulic submersible pump utilizes a machine’s, vehicle’s or vessel’s hydraulic system as power source for high volume fluid pumping

1. Hydraulic oil flow is led to the hydraulic submersible pump through the pressure line
2. The hydraulic submersible pump converts the hydraulic oil flow and pressure into pumping power for fluids
3. The hydraulic oil is led back to carrier machine’s hydraulic oil tank through the return line