# HDF Hydraulic Drilling Fluid Pump

DYNASET HDF Hydraulic Drilling Fluid Pumps convert the hydraulic power of a mobile machine or vehicle into pumping power for fluids.

High pressure water

**HDF HYDRAULIC DRILLING FLUID PUMP**

## Key Benefits

The hydraulic drilling fluid pump has higher tolerance for particles than standard pumps.

* World’s best power-to-size ratio
* Always ready for use
* Low maintenance
* Saves time, space and resources
* Easy installation on all hydraulic systems
* Reliable
* Durable
* Safe to run dry
* Small carbon footprint
* Two-year or 2000 hour warranty

## Features

The hydraulic drilling fluid pumps produce high pressure fluid pumping up to 200 bar and 250 l/min for mobile use. They produce pumping fluid flow even at lower hydraulic flow.

* Compact size
* Light weight
* Self-priming
* Linear output adjustability from 0% to 100% by controlling hydraulic flow
* The world’s best power-to-size ratio
* The world’s best power-to-weight ratio
* No rotating parts enabling compact size, high performance and durability
* No separate engines
* Good chemical resistance
* Can be used as pressure washer

## Applications

* Pumping drilling fluids
* Pumping abrasive chemicals
* Pumping high viscosity fluids (gels)
* Pressurizing drill holes
* Pressure testing
* Pile driving
* Pressure washing

## How Does the Hydraulic Drilling Fluid Pump Works?

The hydraulic drilling fluid pump utilizes a machine’s or vehicle’s hydraulic system as power source

1. Hydraulic oil flow is led to the hydraulic drilling fluid pump through the pressure line
2. The hydraulic drilling fluid 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
4. The pump can be used with sea water, natural water, drilling fluids, abrasive chemicals, oils and high viscosity fluids (gels). It can even run dry.