

Application Data

Drill pipe cleaning



Benefits of Water Jetting

- A range of pipe diameters can be cleaned
- Any deposit can be removed e.g. scale, corrosion, process deposits & even cement
- The jetting process flushes debris back to the open ended pipe
- Totally blocked pipes can be cleared
- Steel pipe can be cleaned to white metal if 2000-3000bar is used
- Water jets will not damage or roughen the pipe surface
- The pump is versatile & can be used for other cleaning/cutting or pressure testing applications

Typical Pumps & Performances

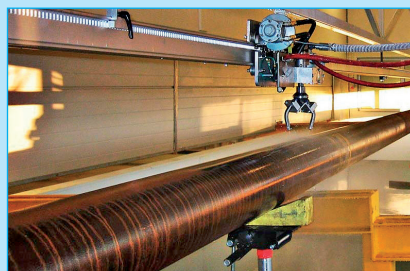
Pump	Performance	Application
HPS2200	68lpm at 1000bar (18gpm at 14,500psi)	Single pump switching between inside/outside cleaning or, twin pumps, one inside & one outside cleaning

Drill pipes/tubulars require regular non-destructive testing (NDT) to prove their integrity. Water jetting at 1000bar (14,500psi) is the preferred method for cleaning prior to inspection. Corrosion, wax & cement products can be removed in a single pass, even if the pipe is completely blocked.

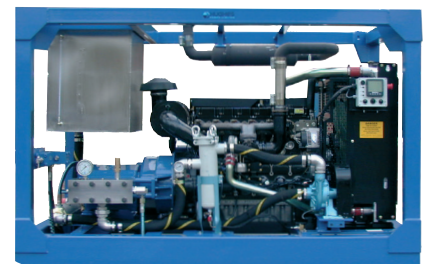
Typically the drill pipe is loaded onto rollers that rotate the pipe while high pressure rotating nozzles are fed into the pipe on a rigid lance & along the outside. If a single HPS2200 pump is used, a diverter valve is used to switch pump flow between the inside & outside nozzles. On a twin pump system it is possible to clean inside &

outside simultaneously in almost half the time.

The pump(s) can be driven by a diesel engine making it mobile or driven by an electric motor for low maintenance, fixed installations.



Outside cleaning with rotary nozzle



HPS2200DC unit



Drill pipe cleaning system



Before & after cleaning



Twin HPS2200ES units, supplied to Schlumberger

This information is intended to be a guide only. The required pump size & performance can vary depending on many factors including rate of work required, hardness of deposit or work piece, operator skill, site access etc.

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