

# Application Data

## Pipe cleaning



### Benefits of Water Jetting

- Pipe diameters from 10 to 1000mm plus can be cleaned
- Any deposit can be removed e.g. scale, corrosion, process deposits & even concrete
- Vertical pipes can be cleaned from top or bottom
- The jetting process flushes debris back to the open ended pipe as the hose is withdrawn
- Totally blocked pipes can be cleared
- The Rotocar system allows virtually any diameter & length of pipe to be cleaned, irrespective of bends
- 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	59lpm at 1000bar (15.8gpm at 14,500psi)	General pipe cleaning
HPS3000	120lpm at 1000bar (31.6gpm at 14,500psi)	Heavy duty pipe cleaning
HPS5000	200lpm at 1000bar (52.7gpm at 14,500psi)	Cleaning of large diameter pipework (1-2m) with multiple bends using a Rotocar Cleaning System

Process pipe work in industry becomes corroded, scaled up or even totally blocked which reduces plant efficiency, even stopping production. A range of pressures between 500 & 3000bar can be used to clean pipes, depending on the type of deposit but 1000bar is a useful performance for a variety of cleaning tasks.

Fixed or rotating nozzles with partially rearward facing jets create thrust which pulls the hose into the pipe. The spent water then flushes the

debris to the open ended pipe. As pipe diameter increases, more flow is required to provide adequate flushing & nozzle centralisers are used with extension arms to keep the nozzle close to the pipe wall for maximum impact. The Rotocar Cleaning system allows very long pipe runs with multiple bends to be cleaned from one end. A special unbalanced nozzle hugs the pipe wall while the hose is rotated & fed into the pipe.



HPS2200DRT unit, 59lpm at 1000bar



Self-rotating nozzle to give total coverage



Descaling large diameter pipe, 200lpm at 1000bar



HPS5000DC unit, 200lpm at 1000bar

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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