



## BYPASS JETTING PIGS

### Product Overview

Propipe Bi-Di pigs are used for a wide variety of applications, from flood, clean and gauging operations onto dewatering, as well as operational maintenance operations. For operational cleaning (or pre-inspection cleaning) there are sometimes deposits within the pipeline, such as sand or scale or wax. It can be risky to run pigs as a large accumulation of these deposits ahead of the pig can lead to high differential pressures, extended pig run times and also give false readings for inspection pigs. In more extreme cases, complete blockage of the pipeline can occur.





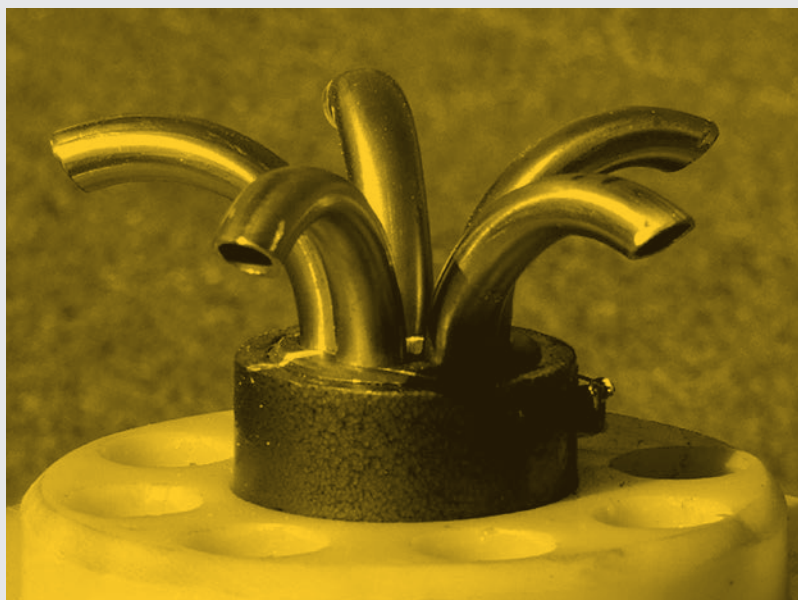
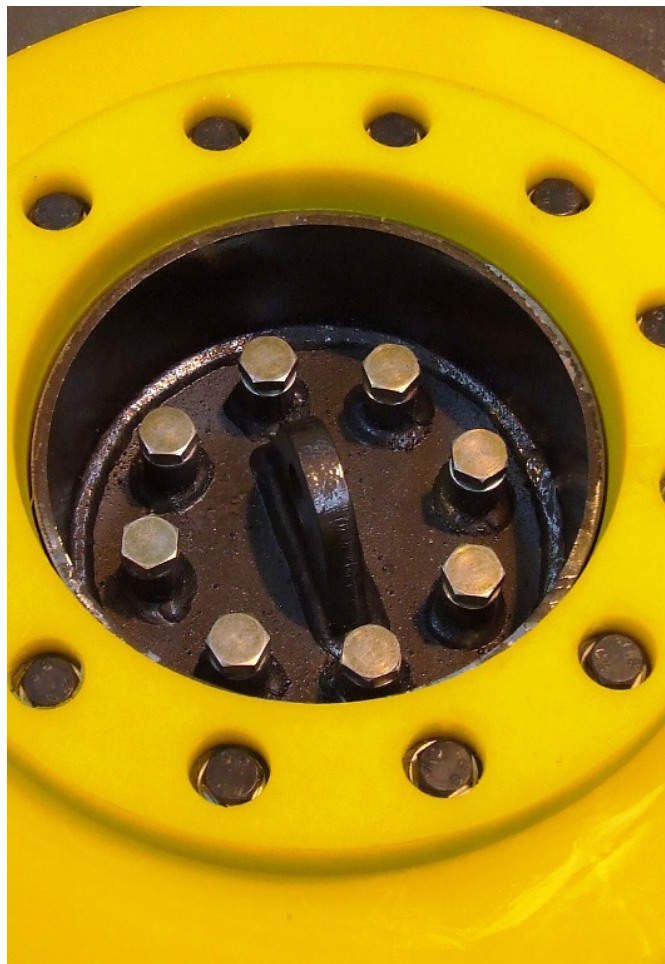
There are several ways to clean such pipelines, from foam pigs to undersized pigs, but an effective operation can be performed using bypass.

Propipe has designs for jetting and bypass nozzles, which allow a percentage of the propelling medium (oil, gas, water etc) to pass through the pig from the rear forwards. This flow will pass ahead of the pig, causing turbulent flow. This flow will either flush debris ahead of the pig or allow the debris to be held in suspension in front of the pig, thus avoiding a build-up in front of the pig. Jetting nozzles can be directed at the pipewall or simply flush through a central port in the pig.

Propipe will review every pigging application and will choose the best bypass feature, based on pipeline conditions, expected debris plus available flow-rates and pressures.

## Standard Features

- Jetting function through directed nozzles
- Flushing function through central port
- Can feature plugs to either block bypass fully or allow reduce diameter flow
- Pressure differential valve for variable operation
- Pigs can still run with Trident Pig Tracking pingers or transmitters



Propipe Limited  
Queens Meadow  
Business Park,  
Hartlepool,  
England  
TS25 5TE

Phone: +44 (0)1429 872 927  
Web: [propipe.co.uk](http://propipe.co.uk)  
Email: [groupsales@propipe.co.uk](mailto:groupsales@propipe.co.uk)

 Twitter  
 LinkedIn

**PROPIPE**