

# TECHNICAL SPECIFICATION

## Advanced Online Desander

Stork's advanced online desanding capability offers field proven separator solids management, from thermographic determination of sand accumulation through to clean sand discharge to sea, with no deferred production.

ATEX compliant for zone 2 hazardous areas, the unique, patented hydrocyclone configured online desander recycles produced water back to the separator while discharging recovered oil to the drains system. Removed sand can be discharged overboard at less than the legislative recommended level of 1% oil-on-solids.

This third generation specification allows for operation up to 60 bar and 90°C, and is compatible with other contaminants, such as NORM (naturally occurring radioactive materials), mercury and hydrogen sulphide. This product boasts an efficient modular construction for quick and easy offshore setup.



### Dimensions:

- Equipment Footprint; 30m<sup>2</sup>
- Solids Separation Package: 4500kg
- Solids wash tank: 5000kg (dry) 9000kg (wet)
- Recovered liquid tank: 5000 kg (dry) 9000kg (wet)
- Hi Build Flow Jetting Unit: 7500kg
- Pump / Filter Package: 1000kg

### Operating specifications:

- Fluid temperature range 0°C to 90°C
- Working pressure: inlet 40/60 barg, skid
- ESD, Gas & H<sub>2</sub>S detection built-in
- Chemical dosing skid
- Can process up to 10 tonnes sand/day including sand washing or 20 tonnes sand/day without sand washing
- Works in conjunction with solids extraction system and high flow jetting unit

### Connections:

- Inlet 2" Fig 100 Hammerlug fitting
- Sand outlet: 2" camlock fitting
- Recovered oil outlet: 1" camlock fitting
- Water discharge: 2" camlock fitting
- Vent line 12" antistatic flexible to safe discharge point
- 415v 63A 3Ph electrical connection required

### Service:

- Ambient temperature from 0 to +50oC

### Certification:

- DNV 2.7-1, ATEX ZONE 2 compliant