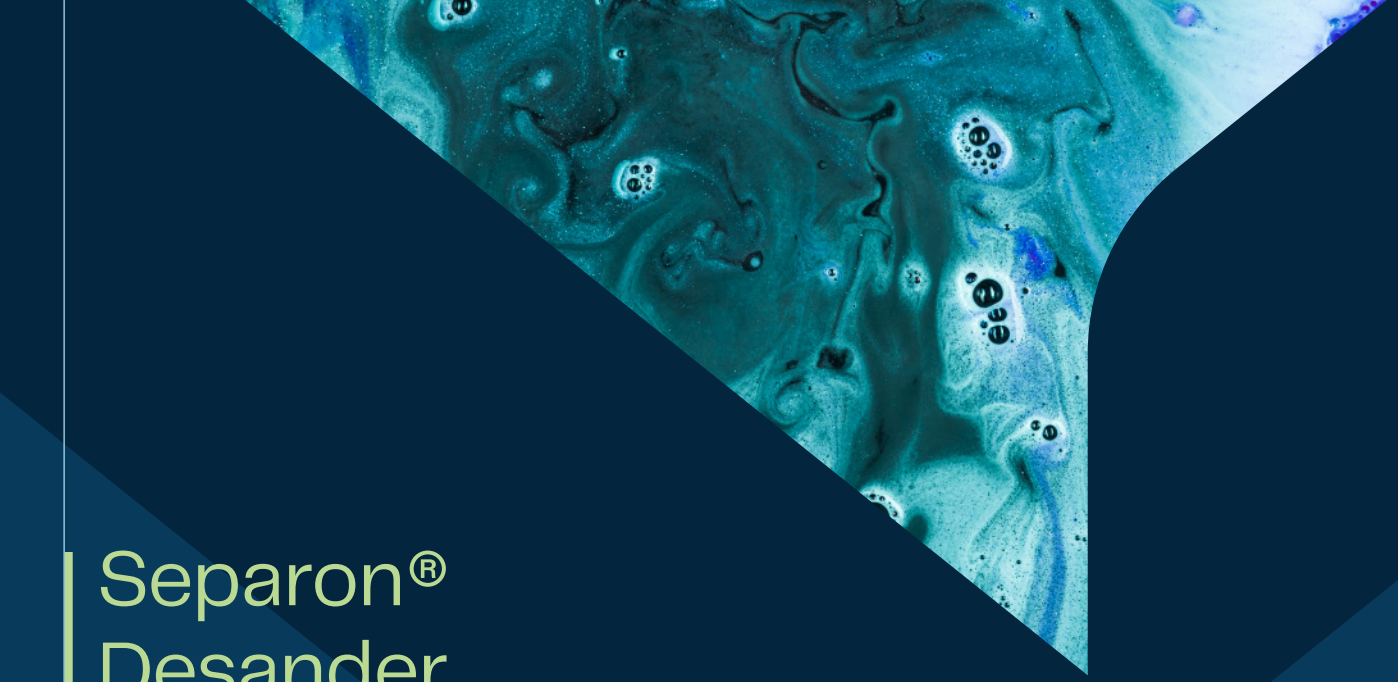
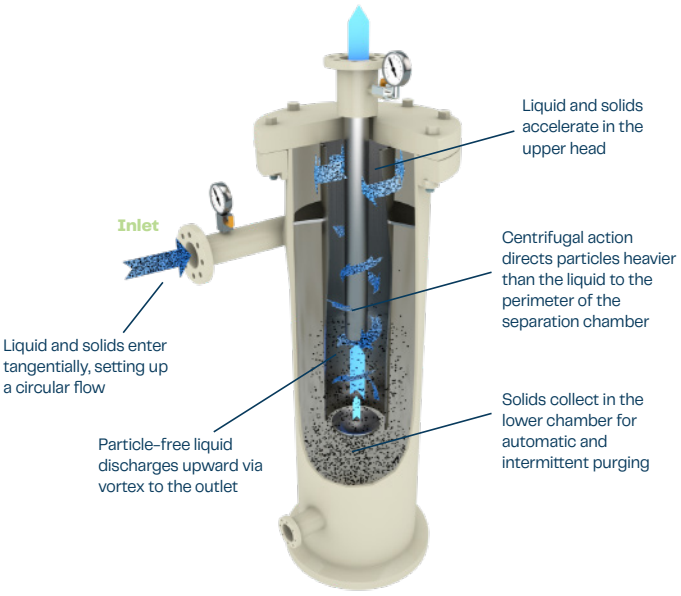


Separon® Desander

Solids Handling

Separon® Desanders are designed for bulk solids removal. Used for a wide range of offshore and onshore applications, these systems take on the dirtiest challenges and keep fluid streams free of troublesome solids. With a 2:1 turndown ratio, single units are available for flow rates ranging from 100 BWPD to 450,000 BWPD.

How It Works



Key Benefits

Cost Saving

- No moving parts saves maintenance time and costs
- No liners, screens, or filter elements to clean or replace

Better Performance

- No backwashing eliminates additional treatment and allows reclaiming of valuable fluids
- Enhanced internal accelerating slots for optimum solids-removal without emulsification

Flexibility

- Designed to handle slugging, upset conditions, and high solids loading
- Choice of profiles to accommodate space and piping limitations
- Available as standalone equipment or complete skid packages



Efficiencies

Expected performance for most produced water applications is 98% for 74 micron and larger particles

Standard Features

- ANSI flanged inlet and outlet connections
- Designed to ASME (section VIII, Div I), ANSI, CRN, PED, and NACE industry standards

Materials of Construction

- Vessel: Carbon Steel or 316L Stainless Steel or Duplex Stainless Steel
- Interior: SS316L Spiral Wound Gaskets with Graphite Filled SS Centering and Inner Ring

Common Applications

- Pipeline Flushing and Testing
- FWKO
- SAGD
- Secondary Recovery
- Frac Water
- Wellstream Desanding
- Seawater
- Disposal Wells

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