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 to 450,000 BPD.

**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

**High 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

**HOW IT WORKS**

Liquid and solids enter tangentially, setting up a circular flow. Centrifugal action directs particles heavier than the liquid to the perimeter of the separation chamber. Particle-free liquid discharges upward via vortex to the outlet. Solids collect in the lower chamber for automatic and intermittent purging. Liquid and solids accelerate in the upper head.
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

Separon™ Desander
Solids Handling

GENERAL SPECIFICATIONS

<table>
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<tr>
<th>Model Capacity</th>
<th>Flow Range</th>
<th>Inlet/Outlet Size</th>
<th>Purge Size</th>
<th>Collection Chamber Capacity</th>
<th>Weight</th>
<th>Weight w/ Water</th>
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EFFICIENCIES

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

NOTES

For more information please email us at: Water@Exterran.com

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