

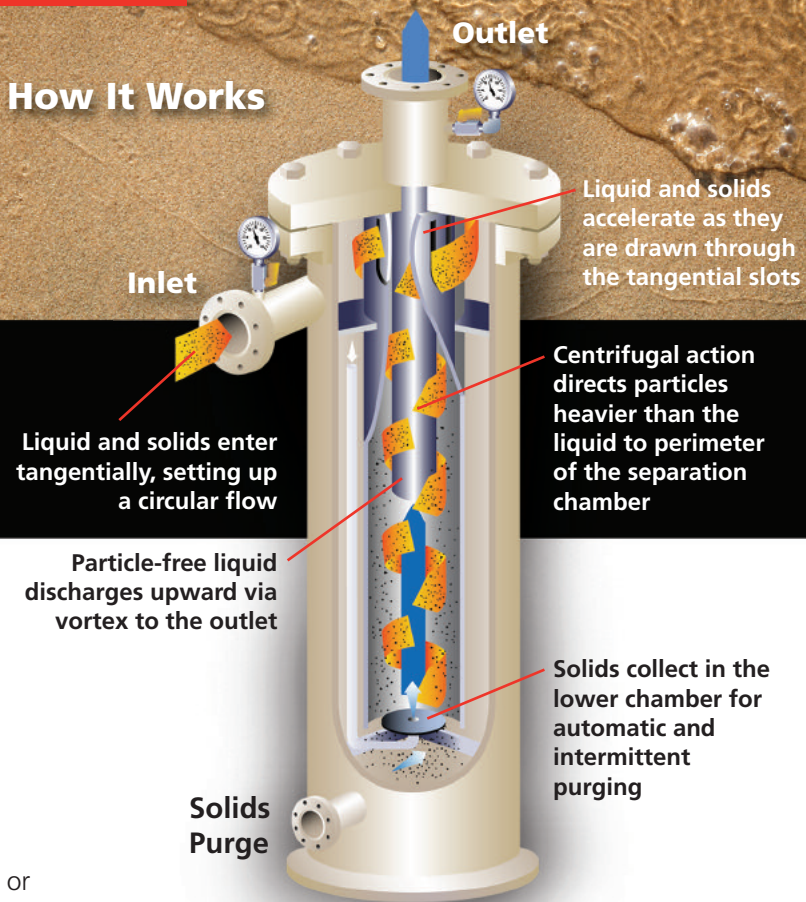
More Solutions for More Production

enerscope Desander

Key features

- Designed and constructed to all industry standards such as ASME (section VIII, Div I), ANSI, CRN, PED and NACE among others for your specific application
- Independently tested
- No moving parts – no liners, screens, filter elements to clean or replace; no servicing routines saves maintenance time and cost
- Minimal to zero liquid loss – no backwashing eliminates additional treatment and allows reclaiming of valuable fluids
- Low and steady pressure loss saves energy and provides predictable flow rates
- Designed to handle slugging, upset situations and high solids loading to provide a predictable operating system
- Enhanced internal accelerating slots for optimum solids-removal performance without emulsification
- Internal vortex tube for enhanced separation and collection
- Choice of profiles to accommodate space and piping limitations making for an easy layout and installation
- In-line inlet and outlet configuration for simplified piping
- Systems and skidded units available

How It Works



Enerscope Desanders effectively remove solids from liquids using centrifugal-action.

Designed for high efficiency solids removal for dirtiest of applications to keep your fluid stream free of troublesome solids.

These desanders are used for a wide range of onshore and offshore applications from primary filtration to waterflood injection, disposal wells and SAGD. Units are designed with a two-to-one turn down ratio in most cases with flow rate from 100 bbl/d to 450,000 bbl/d per unit.



General Specifications

Model	Flow Range		Inlet/Outlet	Purge Size	Collection Chamber Capacity		Weight		Weight w/ Water	
	bbld	m ³ /hr			gal	liters	lbs	kg	lbs	kg
ESI-0015	2,200-3,800	15-25	2	2	0.8	3	150	68	221	101
ESI-0020	3,000-5,400	20-35	2.5	2	0.8	3	194	88	278	126
ESI-0030	4,600-8,400	31-55	3	2	0.8	3	202	92	290	132
ESI-0045	7,000-12,000	47-79	4	2	1.6	6.1	327	149	507	231
ESI-0065	9,900-19,900	66-131	4	2	5.4	20.5	474	256	758	345
ESI-0100	15,500-31,000	103-205	6	2	6.7	25.4	697	378	1132	525
ESI-0150	22,700-45,400	151-300	6	2	10.4	39.4	898	413	1554	706
ESI-0185	35,000-63,000	232-417	8	2	14	53	1,200	544	2,266	1,028
*ESI-0265	41,000-81,300	272-538	8	2	20.5	77.6	1,411	641	2,665	1,211

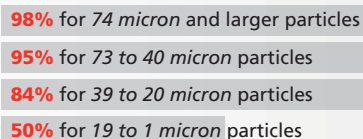


*Desanders for smaller and larger Flow Rates are also available.

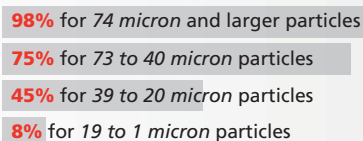
- Pressure loss range: 3-12 psi (0.2-0.8 bar)
- Maximum particle size: 0.375 inch (9.5 mm)
- Standard pressure ratings up to 1,480 psi (102 bar), other pressure ratings available up to 10,000 psi (690 bar)
- ANSI flanged inlet and outlet connections; DIN and other connections available
- Carbon Steel with 1/8-inch (3mm) corrosion allowance or 316L Stainless Steel is standard construction
- Special coating and other materials available
- Spiral wound gaskets SS316L with graphite filled SS centering & inner ring
- Exterior finish is powder coated, minimum 2 lifting lugs

Efficiencies

Expected performance for most produced water applications to be



These efficiencies are based on particles with a specific gravity of 2.6. For particles with specific gravities of 1.5 to 2.5, efficiencies to be



HERE ARE A FEW OF OUR COMMON APPLICATIONS:

ESP & PCP Pump Protection **Pipeline Flushing & Testing** FWKO SAGD Produced Water Desanding **Waterflood Injection** Frac Water Brine Filtration Fire Water Protection **Offshore Production** Seawater Disposal Wells Heat Exchanger Protection **Secondary Recovery** Tertiary Recovery & Treatment Process Cooling Water Pump Seal Protection Subsea Production **Wellhead Desanding**

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