

Dual Cyclone Sand Separator

High efficiency, dual stage sand cyclones to maximize separation

APPLICATIONS

- Flowback operations
- Production Testing
- Sand Control / Removal
- H₂S environments

BENEFITS:

- Maximize separation with efficient design characteristics.
- Skid design creates minimal footprint and reduced rig-up/rig-down time.
- Ability to operate in H₂S corrosive conditions.
- Can be designed to work at up to 15k PSI MAWP.

FEATURES:

- Main body cyclone for large particle drop out.
- Second inner cyclone for fine particle drop out.
- Flushable sump.
- Conical bottom to aid sand evacuation.
- 3" ports to permit high flow rates.
- Inner wall weir to prevent solids migrating to gas outlet.
- Versatile liquid to gas capability.
- Enhances liquid gas separation in downstream separator due to cyclone effect.
- Easy access to internals for inspection and replacement through 9" / 11" top port.

The ENERGES Dual Cyclone Sand Separator incorporates an optimized design to improve overall separation efficiency in applications where proppant flowback and sand production are significant. The system employs a main body cyclone for large particle drop out as well as a second inner cyclone designed to remove fines. Further, the system is designed for ease of deployment, setup, operation, and inspection; creating ease of use for the operator and producing reliable and consistent results. With a small footprint and the ability to work in sour conditions, our Sand Separators can fit seamlessly into a variety of production testing and flowback operations.



MAWP:	15,000 PSI	10,000 PSI	5,000 PSI
Internal Diameter	17"	19"	21"
External Diameter	25-1/2"	25-3/4"	26-1/2"
Internal Length	99"	99"	96"
Inlet Connection	3-1/16" 15M API	3-1/16" 10M API	3" ANSI 2500
Top Outlet Connection	3-1/16" 15M API	3-1/16" 10M API	3" ANSI 2500
Drain Connection	3-1/16" 15M API	3-1/16" 10M API	3" ANSI 2500
Relief Connection	2-1/16" 15M API	2-1/16" 10M API	2" ANSI 2500
Footprint	6.5' x 6' x 18'	6.5' x 6' x 18'	6.5' x 6' x 18'
Weight (Nominal)	12,500 lbs	11,900 lbs	12,300 lbs