

THE MINI-DESANDER

WHAT IS A MINI DESANDER

The main function of a mini-desander is to recycle drilling fluids and separate fine particles in order to keep the density/weight of your drilling fluids clean.

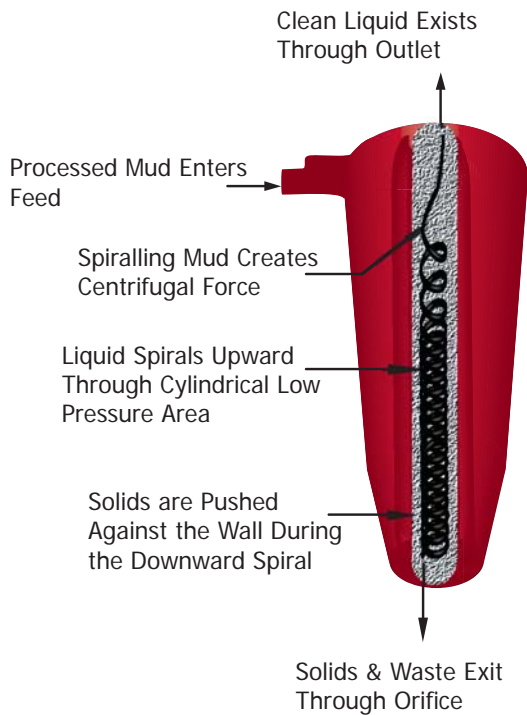
HOW A MINI DESANDER CAN HELP YOUR JOB SITE

1. Improved drilling rates
2. Less time spent on formation clean-up and development
3. Cleaner mud
4. Diminished pump pressure which reduces loss of circulation and decreases fuel costs
5. Decreased build up of mud rings, bit balling and wall sticking
6. Easier mud pit construction and cleaning
7. Reduced water requirements for drilling
8. Quicker and simpler, disposal of excess mud
9. Improved quality of formation samples
10. Longer life for bits, swivels pumps and drill pipe

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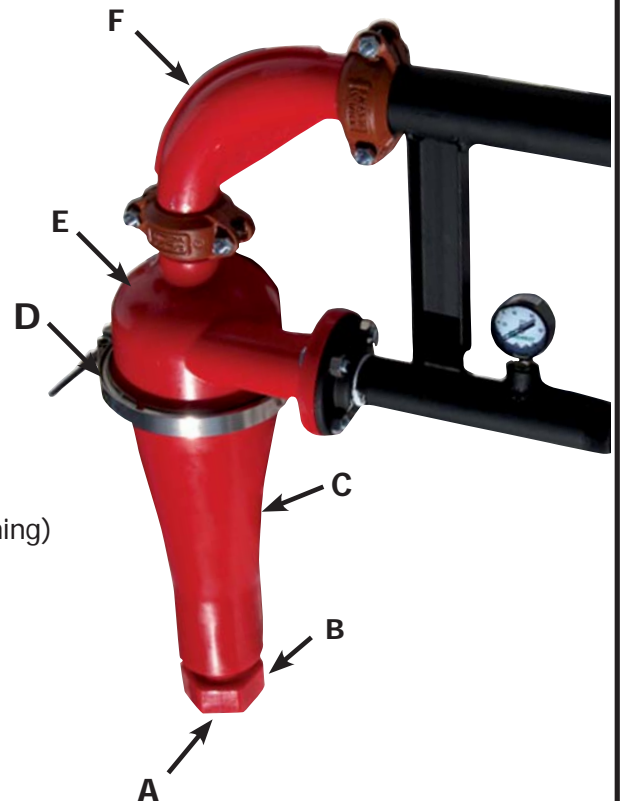


HOW THE MINI-DESANDER WORKS

There are no moving parts in the cone. Centrifugal forces are generated within the cone by high speed rotation of the drilling fluid which separates solids from liquids. The mini-desander has two exits on the axis: the smaller one on the bottom (underflow) and larger (outlet) at the top. The underflow is used for denser or thicker waste products, while the overflow takes the cleaned fluid up the center of the cone and back into the circulating system for reuse.

WHAT MAKES UP A MINI-DESANDER

- A. Adjustable Orifice (Underflow located at this hole)
- B. Adjustable Nut
- C. Cone Section
- D. Retainer Clip
- E. Inlet Section (Overflow located at the neck of this opening)
- F. Overflow Elbow (Clean fluid)



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