



Inline Desilters



*Inline Manifolds for
Minimum Space Requirements*

Derrick Inline Desilters

Derrick inline desilters are designed to efficiently remove silt sized solids (12-74 microns) from drilling fluids. Derrick desilters are easier to operate and maintain making them last more than twice as long as conventional desilters. The inline desilter is used in areas that cannot accommodate the spacial requirements for the premium round desilter configuration.

One of the major advantages of Derrick inline desilters is the Derrick 4" hydrocyclone, which are manufactured using a specially formulated EU polyurethane that has excellent resistance to heat and abrasion. Its unique lightweight uni-body construction eliminates excess parts and seams where excessive wear can occur. Derrick manufactures two 4" cones with different internal geometries – *with* and *without* a ramp in the feed inlet. The 4" cone without the ramp feed is typically used on stand-alone inline desilters, when liquid conservation is of prime importance. This cone has a capacity of 70 GPM at 75 feet of head. The ramp feed cone has a capacity of 80 GPM at 75 feet and is primarily used if the cone discharge is over a shaker/mud cleaner. Derrick hydrocyclones are available with ceramic inserts for extreme duty. If oversized solids plug the underflow simply unscrew the replaceable wear section (bottom third) clean and replace. Service and replacement of the bottom cone section is made quick and easy by A.N.S.I. buttress threaded bottom sections. The apex is available in two styles: an adjustable tri-nut or fixed snap-on.



Features:

- Available in 10, 12, 16, and 20 cone models
- Minimum space requirements
- Vacuum breaker connection
- Controls mud properties by removing silt sized solids
- Increases penetration rate
- Lowers mud costs
- Low cost polyurethane cone engineered to minimize plugging and maintenance
- Reduces mud loss with adjustable or interchangeable apices



4" Hydrocyclone



Tri-nut Apex



Snap-on Apex

An Integral Part of the High **G** Solution®



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