

Clarifier Insert

RM Model/Make: Clarifier Insert / Kaselco CL-250 Drop-In

Product Description

Clarifier insert intended to be combined with an Open Top Frac tank allowing the tank to function as a low cost, highly efficient solids removal system for a wide range of waste streams.

Technical Data

Weights and Measures

Solids Capacity	Depends on actual Tank Capacity
Overall Dimensions	16.5' (198") Long 8-1/2' (102") Wide (<i>overall</i>) 5' (60") Height
Lifting Options	Four (4) Lifting Eyes
Tare Weight	Tank: 8,800 lbs.

Design Parameters

Clarifier Material	A-36 Carbon Steel Insert frame PVC Sched. 80 Piping
Design Flowrates	500 gpm at 0.35 gpm/sq.ft. 250 gpm at 0.17 gpm/sq.ft.
Design Pressure	Two 6" discharge ports allow for free flow of up to 500 gpm
Spec. Gravity Limit	Up to 2.0 (<i>At 100° F. Higher temperatures lower the s.g. limit. Consult your UR rep.</i>)
Temperature Limit	Nominal limit is 140° F. (<i>For higher temperatures consult your UR rep.</i>)
Surface Area	1,440 Total Square Feet

Wetted Materials *for material compatibility check*

Carbon Steel	Standard plate material*; structural members
PVC	Piping
Fiberglass	Unistruts

*Optional coatings are available. Check compatibility of coating if used.

Advantages

Inclined plates	The inclined plate design allows the settling area, or surface area, to be as much as 10 times more than the actual foot print occupied by the clarifier. This significant reduction of the required floor space is achieved by reducing separation between plates and stacking the settling surfaces at an angle. This slant plate design gets the maximum square footage out of the smallest foot print possible.
Mobility	United Rentals has combined the advantages of a slant plate clarifier with the mobile features of their other product lines.

Features

Plate Packs	Easy to replace internal plate packs
Installation	Easy installation into open top frac tanks
Start-Up	Delivery and set-up can see customers on-line in a matter of hours
Piping	PVC Schedule 80 piping is chemically resistant to most chemicals used in separation filtration
Piping Design	Internal piping system which allows for the balancing of flow in situations where tanks are not perfectly level

Miscellaneous

Options	Special coatings and plate pack materials available
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