

Rearfeed Rock Trap Systems

24" wide - 160,000 lbs/hr - 1600 gpm

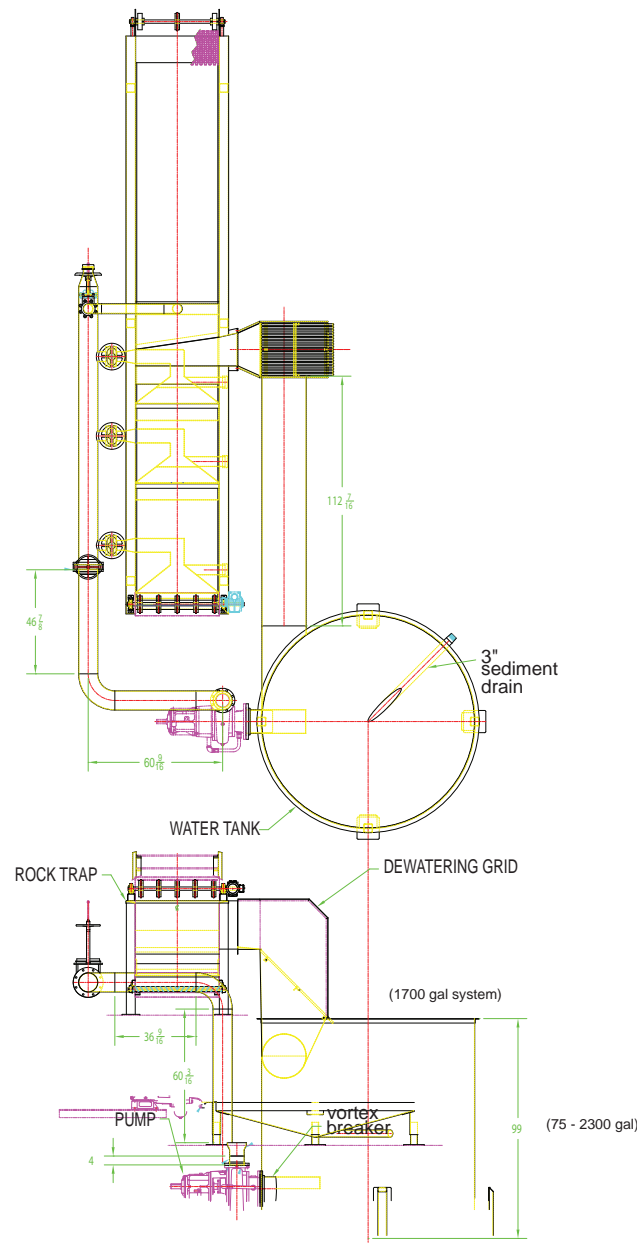
24" wide x 22' long stainless steel rock trap
1600 gpm Pioneer Pump
scavenger reel and tank
8' x 8' round tank (3000 gallons)
extra rock trap piping
dewatering grid

30" wide - 200,000 lbs/hr - 2000 gpm

30" wide x 22' long stainless steel rock trap
2000 gpm Pioneer Pump
scavenger reel and tank
8' x 8' round tank (3000 gallons)
extra rock trap piping
dewatering grid

36" wide - 240,000 lbs/hr - 2400 gpm

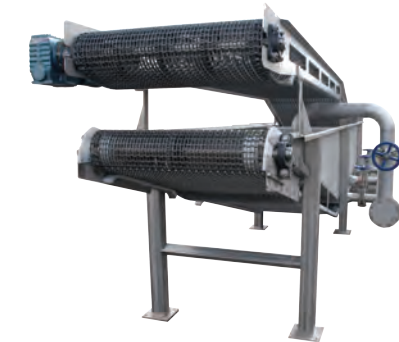
36" wide x 22' long stainless steel rock trap
2400 gpm Pioneer Pump
scavenger reel and tank
8' x 8' round tank (3000 gallons)
extra rock trap piping
dewatering grid



Rock Traps and Rock Trap Systems

Engineered, Manufactured and Installed to Your Specifications

These Custom Designed RockTrap Systems removes Rocks, Stones, Vines, Chunks of Wood, Rotten Potatoes and other types of debris from the Product.



The two conveyor design uses one conveyor to remove rocks and the other to remove floating debris.

Root Crops:
Potatoes
Carrots
Beets
Sweet Potatoes

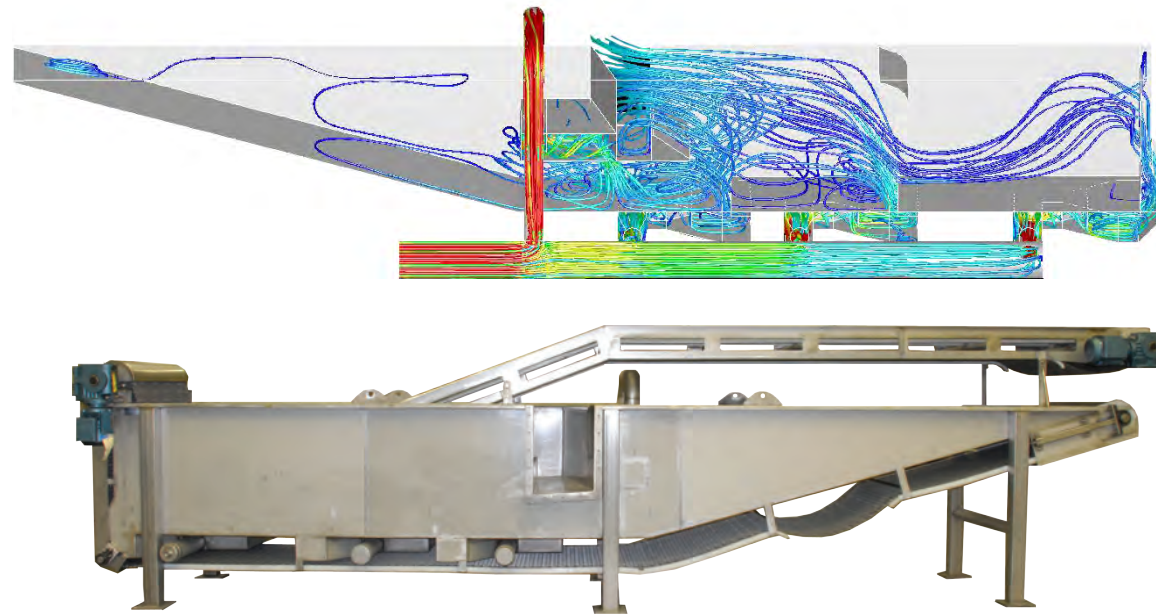
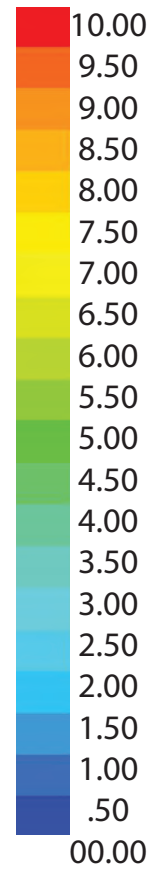


Industry proven Rock Traps in the field worldwide.

GEM equipment OF OREGON inc.

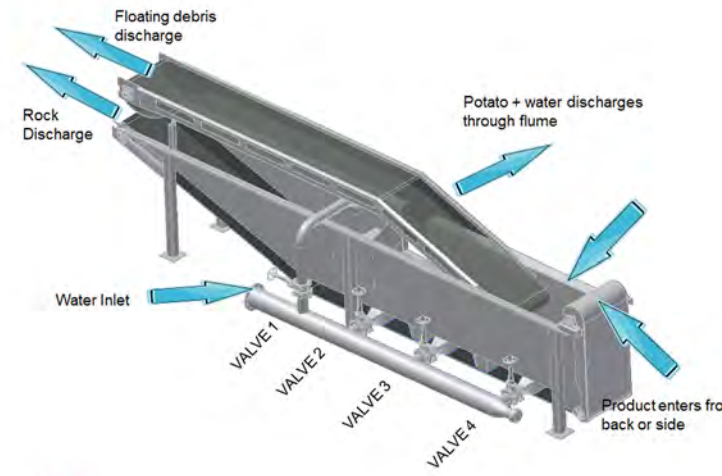
2150 Progress Way Woodburn, OR 97071 Phone 503-982-9902 www.gemequipment.com
1010 N. Main Street Mt. Angel, OR 97362 Phone 503-845-9411 gem@gemequipment.com

Computational Fluid Dynamics (CFD) analysis of rock trap operation.

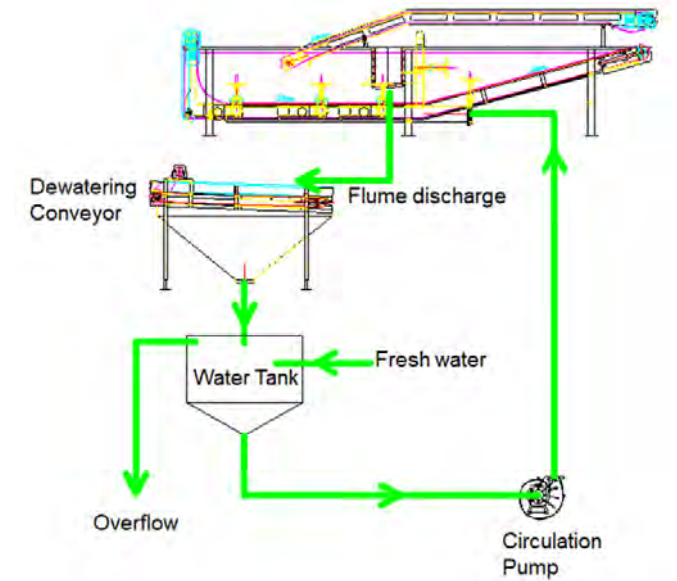


Pathlines colored by Velocity Magnitude

Operation



Water System



Dealing with products such as potatoes, which sink, the Flodin rock trap not only removes rocks, it also removes vines, chunks of wood, corn cobs, rotten potatoes, serious hollow hearts and other floating debris.

Rock traps for product that sinks, have an upper conveyor to remove the floating debris. By utilizing slow moving water, material separation is enhanced. Rocks are conveyed out of the rock trap by the lower conveyor.

