

Rearfeed Rock Trap Systems

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

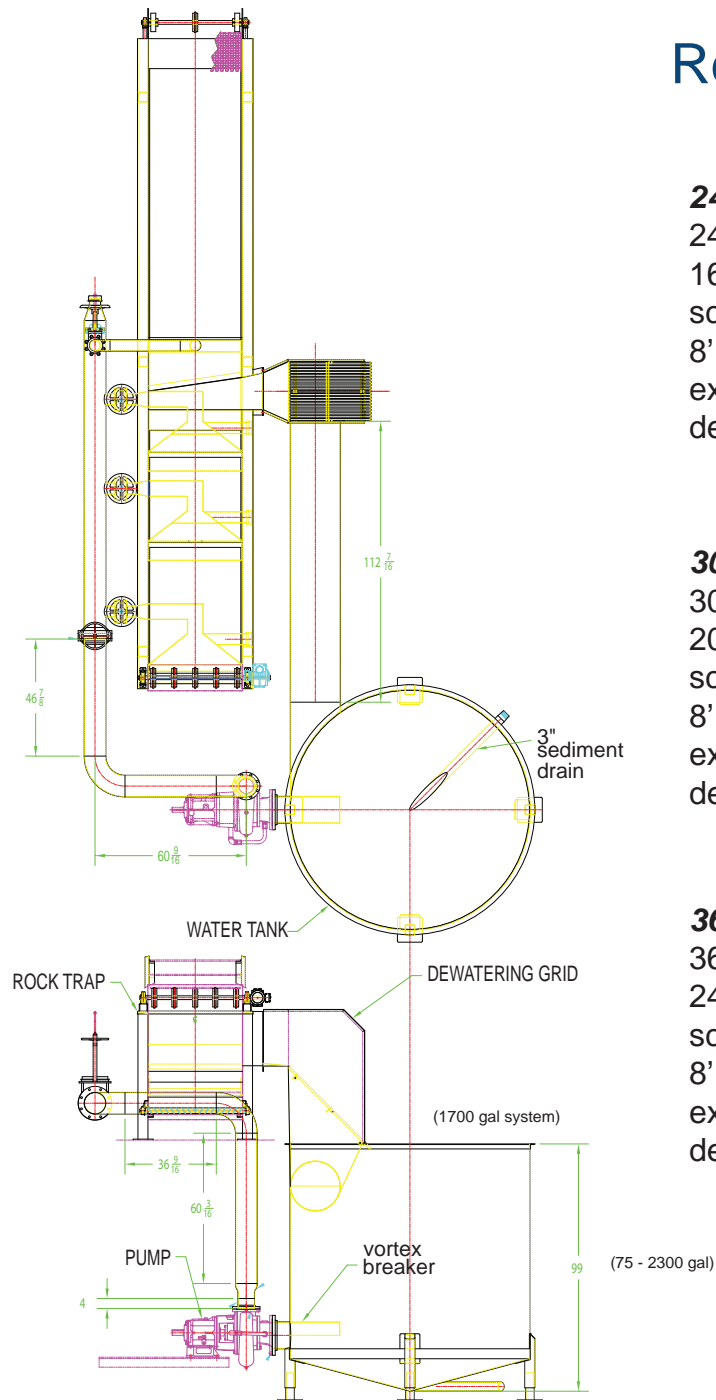
24" wide x 22' long stainless steel rock trap
1600 gpm Pioneer Pump
scavenger reel and tank
8' x 8' round tank (3000 gallons)
extra rock trap piping
dewatering grid

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



Mount Angel Plant



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Phone: 503-845-9411 - Fax: 503-845-6012

Woodburn Plant



2150 Progress Way - Woodburn, OR 97071
Phone: 503-982-9902 - Fax: 503-981-6316

ROCK TRAP SYSTEMS



Industry proven with over 90
Rock Traps in the field worldwide

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

Applications:

Root Crops: Potatoes, Carrots, Beets, Sweet Potatoes

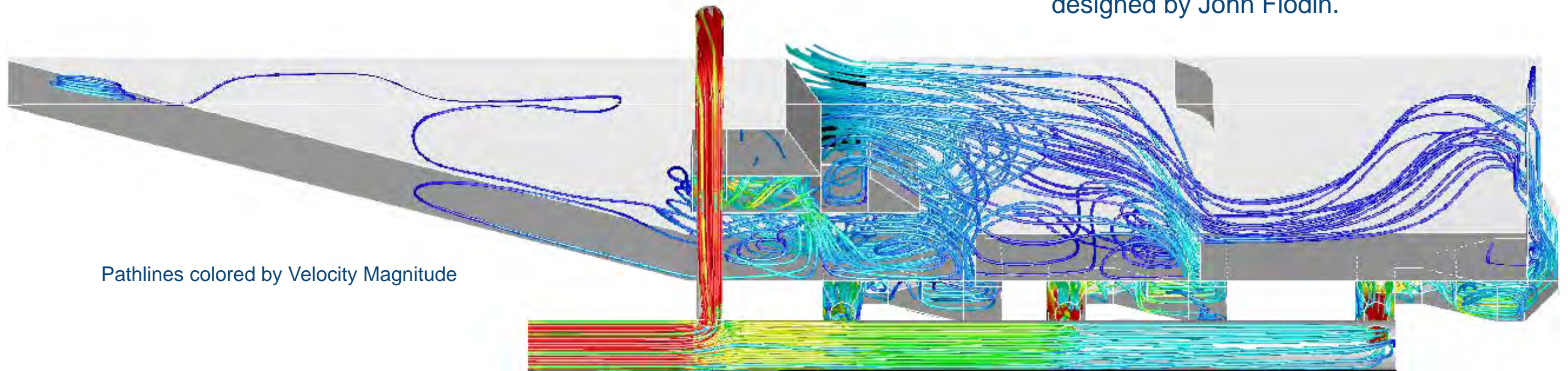
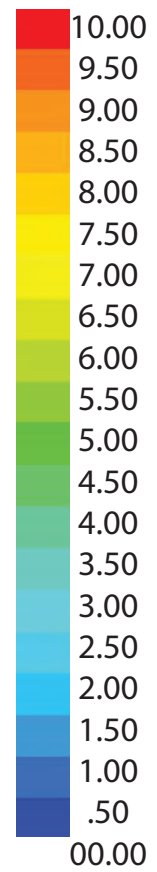


In business since 1968

2150 Progress Way Woodburn, OR 97071 Phone 503-982-9902 www.gemequipment.com
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Computational Fluid Dynamics
(CFD) analysis of rock trap operation.

GEM manufactures and sells debris &
rock removal systems
designed by John Flodin.



Pathlines colored by Velocity Magnitude

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.

