

HIGH CONSISTENCY ROTARY SCREEN THICKENER (HC-RST)



Double Drum HC-RST

APPLICATIONS

- Prethickening prior to a screw press
- Thickening prior to an aerobic or anaerobic digester
- Thickening for reduced volume for transport
- Screening / Thickening of solids from a liquid/solids stream



Single Drum HC-RST

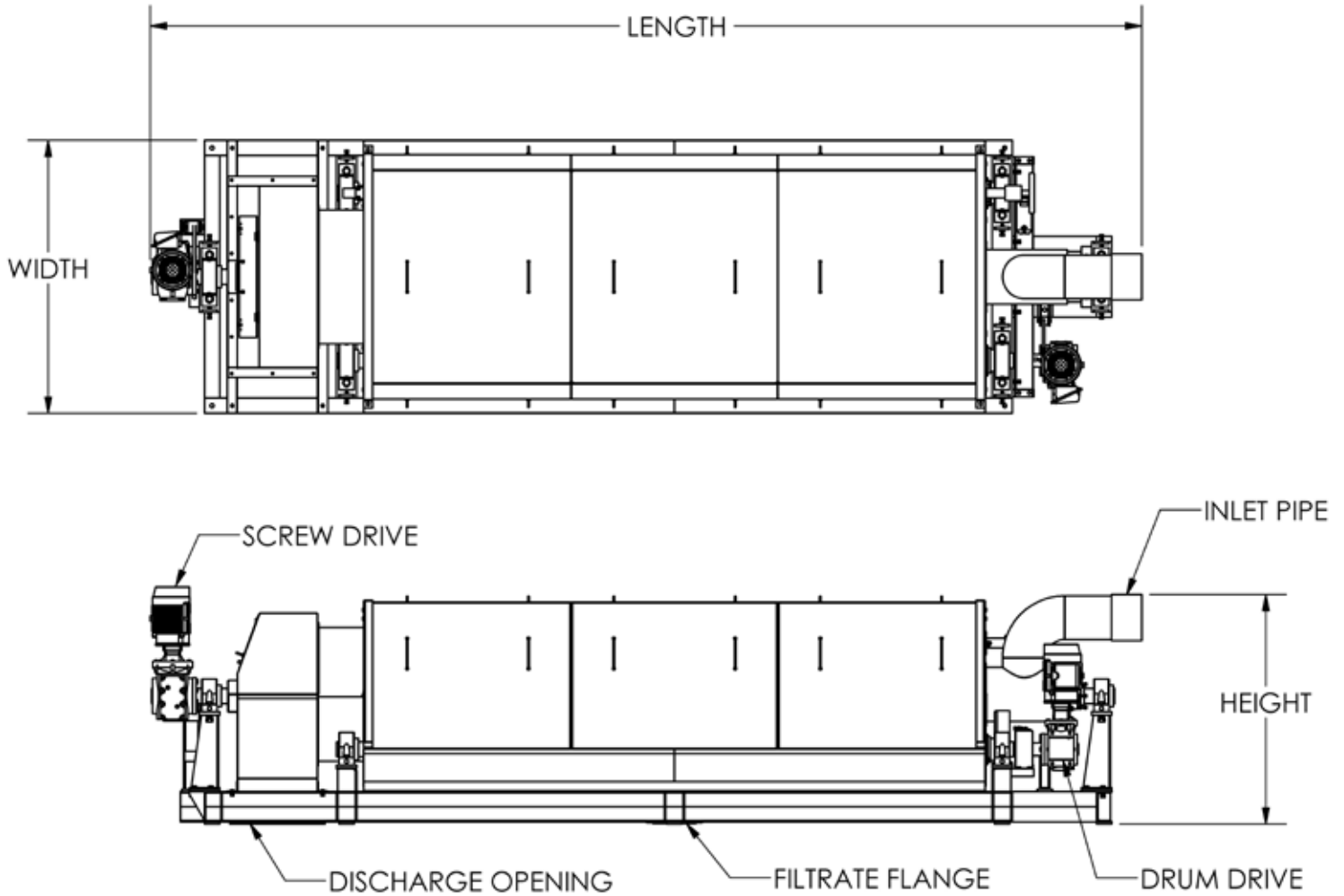
FEATURES

- Increased Outlet Consistency & Capacity
- Independently Driven Counter Rotating Screw
- Stainless Steel Wetted parts
- Heavy Duty Construction
- Can Accept Inlet Consistencies <1%
- Outlet Consistency Typically Ranges 8–20%
- Patented Design
- Reduced Polymer Dosage
- Spray Shower Keep Screens Clean
- Multiple Sizes for Any Flow Rate
- Easy to Install and Operate
- Over 150 units in Operation



HC-RST Discharge

HC-RST plan and elevation view drawing



High Consistency Rotary Screen Thickeners

Model No.	Motor HP	Length	Height	Width	Weight	Shower gpm	Max. flow (gpm)
RST-HCS630x3000L	2 & 3	200"	46"	54"	5,500 lb.	15-20	300-350
RST-HCS775x3600L	3 & 5	220"	51"	56"	8,250 lb.	15-20	400-450
RST-HCW630x3000L	3 & 5	204"	46"	87"	9,700 lb.	40-50	600-700
RST-HCW775x3600L	5 & 10	245"	51"	94"	11,700 lb.	40-50	800-900

RST = rotary screen thickener

HC = high consistency model

S = single drum model

W = double drum model

First number = drum diameter in millimeters

Second number = drum length in millimeters

Shower water pressure = 30-40 psi recommended

Maximum flow rate capability varies depending on the specifics of a given application.



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