

PW013101-01B3

SECTION 11211 SELF-CLEANING SCREEN/COMPACTOR/WASHER

Spec. Part No.	Requirement	Waste-tech, Inc. FSM Filter Screen		Jones & Atwood, Inc.		Andritz	
		Proposed item	Conforms	Proposed item	Conforms	Proposed item	Conforms
IB 2.21	Mechanical screen bidder must visit the site prior to bid opening.		No	Will visit if bid of interest.	No	Will visit if awarded	No
SCP 9	Bidder shall provide detailed technical information	Incomplete	No		No		No
1-1A.	Fabricated of materials...that will fully perform the functions...	Hardwood tracks support conveyor links	No				
2-4A4.	Screening rollers shall ride on 1/2" thick stainless steel rails.	Can provide polypropylene or other synthetic material at no extra cost.	No				
2-4A10	Guide rails stainless steel		No			Hardened steel guide rails & sprocket	No
1-2B.	Conveyor equal to Custom Conveyor Corp, Minneapolis, MN	Insufficient information provided	No	Insufficient information	No		Yes
1-2C	5 years experience, 20 installations, equivalent applications	Only 1 screen prior to 1996 listed.	No	10 in UK, no size given	No	2 US screens installed in 2000	No
2-3C.	Min. 10 US refs screen/washer/compactor w/ similar flow	Only 5 US insltn's over 1 m wide listed.	No	No US references.	No	Both US screens 3' wide	No
2-2B.	Opening from which screenings discharged at least 6' abv floor.	Discharge height 3'-9-7/16".					
2-2C	Upstream water depth of 3.25' @ 20 MGD, max head loss 12".		No	Claims to meet, but no back-up calcs provided.	?	12.6" claimed, no backup	No
	Specified Parkson Aquaguard didn't bid because it couldn't meet headloss criteria.			5.25" vert. opng vs spec'd 1" seems to give lower headloss.			
2-4A1.	Frame shall be 3/16" thick 304 stainless steel	1/4" 304 stainless steel	Yes	Not listed	?	5 mm (3/16") 304 SST	Yes
2-4A2.	6 mm horizontal, 25 mm vertical screen openings	10 mm circular perforations	No	1/4" horiz. X 5.25" vertical	No	6 mm circular perforations	Yes
2-4A2.	Automatically self-cleaning... without external mechanical devices...	Revolving brush to knock off screenings and clean screen	No			2HP cleaning brush drive	No
2-4A4.	No submerged bearings or sprockets are allowed.	Submerged "life sealed marine bushings"	No				
2-4A7	Motor shall be no larger than 0.75 HP	1 HP motor	No			1 HP chain drive motor	No
2-4A10d.	Main drive shaft and sprockets shall be 304 stainless steel.	Hi-tensile steel drive shaft	No			E36-4 carbon steel drive shaft	No
						Epoxy coated hardened carbon steel drive chain sprocket	No.
SCREENINGS WASHER AND COMPACTOR							
2-4B1d	Washer hopper provided with 2 each 1/2" air aspirators		No		No		
2-4B1f	2 spray water nozzles		Yes		No		
2-4B1g	Washer provided with 12" knife gate valve, compressed air system		No		No		
2-4B1i	Washer Drive 3 HP					Washer/Compactor 10 HP	No
2-4C.	Compactor materials 304 SST, 8 spray nozzles, 80% vol. Reduction	9" dia auger w/ torque tube - hi-tensile	No	Wash tank, impeller SST	No	Spiral flight 80 ksi steel	No
CONTROLS							
2-5	Provide specified electrical control equipment	No mention of controls	No	No mention of controls	No		Yes
		Contact: Robert T. Manwaring, 847 367-5150		Simon Randle 847 367-5480		John Hughes or Tony Collins 800 433-5161	