MEDIA TRAP DATA SHEET

No.	By	Chk	App	Date	Description
1	CH	CS	TB	6/13/2019	Incorporated Design Changes for 100%

Doc. No.:	**DS-1813-03**	**Rev.: 1**
Project Name:	**TSCR**	
Project Number:	**18-13**	
Location:	**Richland, WA**	
Tag: POR655-WP-RT-500		

DESIGN / OPERATING REQUIREMENTS

1	Service :	Process Component, MEDIA TRAP				Process Contents: Removal of Resin Beads & Fragments Downstream of Polish IXC		
2	Design Press. @ Temp. - Internal (at top):	400 psig	@	180 °F		Δ P Across Internals: < 0.2		psi
3	Design Press. @ Temp. - External:	15 psia	@	180 °F		S. G of Process Fluid: 1.27		
4	Min. Design Metal Temperature (MDMT):	N/A °F	@	N/A psig		Design Liquid Level: Fully Flooded		
5	Operating Pressure - Internal:	93 psig	@	77 °F		Head Joint Efficiency: N/A		
6	Min. Operating Temperature:	60 °F	@	71 psig		Shell Joint Efficiency: N/A		
7	MAWP Basis: N/A							
8	Corrosion Allowance: Yes	*Shell and Heads:* 0.001 In.			*Nozzles:* 0.001 In.		*Internals:* 0.001 In.	
9	Cyclic Service: N/A		Lethal Service: No			Code Case(s): N/A		
10	Construction Code: ASME B31.3-2016 Edition, See Note 1					Stamping: N/A		
11	National Board Registration : N/A					Lethal Stamp: N/A		
12	Capacity:	*Full:* 0.25 Gal.			*Operating:* 0.25 Gal.			
13	Wind: N/A	Exposure: N/A	Basic Wind Speed: N/A mph			Importance Factor: N/A		
14	Seismic: N/A	Importance Factor: N/A				Soil Profile Type: N/A		

INSPECTION AND TESTING

15	Radiography: N/A				Ultrasonic: N/A			
16	Magnetic Particle: N/A		Charpy Impact: N/A			at N/A °F		
17	Liquid Penetrant: N/A				Hardness: N/A			
18	Hyrdrotest: 600 psi		Future Field Test: N/A (Corroded)					
19	Min. Hydrotest Temperature: N/A °F							

APPLICABLE SPECIFICATIONS AND STANDARDS

20	Specifications:	RPP-SPEC-61910
21	Safety Class:	General Service
22	Standards:	ASME B31.3-2016 Edition
23	Drawings:	H-14-111253, H-14-111257

MATERIALS

		External Parts	Internal Parts
24	Plate:	N/A	SA240 316/316L, Hastelloy C-276
25	Forgings:	SA182 F316/316L, SA403 WP316/316L	N/A
26	Pipe & Tube:	SA312 TP316/316L	N/A
27	Bolts & Studs:	N/A	N/A
28	Nuts:	N/A	N/A
29	Rod & Bar:	N/A	N/A
30	Weld Fittings:	SA182 F316/316L, SA403 WP316/316L	N/A
31	Structural Shapes:	N/A	N/A
32	Screen:	Hastelloy C-276	
33	Shielding:	Lead	

FABRICATION

34	Weld Pressure Joint Requirements: N/A		Seal Weld Internal Parts to Pressure Boundary: N/A
35	Post Weld Heat Treatment: N/A		PWHT Basis: N/A
36	Internal Coating: N/A		
37	Surface Preparation: N/A		
38	External Coating: N/A		

APPURTENANCES

39	Lifting Lugs:	N/A		Tailing Lug:	N/A		Vessel Davit:	N/A
40	Ladder and Platforms:	N/A		Pipe Supports / Guides:	N/A		Grounding Lugs:	N/A
41	Insulation:	N/A	Thk:	N/A	Density:	N/A	lb/ft³ Supports:	N/A
42	Fireproofing:	N/A	Thk:	N/A	Density:	N/A	lb/ft³ Supports:	N/A

PRELIMINARY LOADS (TO BE CONFIRMED BY SELLER)

43	Weights (lbs):	*Shipping:* 10		*Erection:* 9		*Empty:* 9		*Operating:* 11		*Field Test:* 9
44	Wind:	*Shear at Base =*	N/A		*Moment at Base =*		N/A			
45	Seismic:	*Shear at Base =*	N/A		*Moment at Base =*		N/A			

Notes:

1. Code Stamp is not required. Per State of Washington; Rules, regulations and statutes: Chapter 296-104 WAC and Chapter 70.79 RCW. ASME National Board exemption: "Regardless of location, unfired pressure vessels less than one and one-half cubic feet (11.25 gallons) in volume or less than six inches in diameter with no limitation on the length of the vessel or pressure."