

41276 PERNEFTEGAS PERERABOTKA, PERM, RUSSIA _ SUPPLY OF PRESSURE EQUIPMENT FOR PERM PROJECT, RUSSIA

Client/End User : Prosernat s.a. / Permneftegazpererabotka, (Russia)

Year : 2015

Work Description :

Design, material procurement, fabrication, and inspection of supply of the equipment package for the Hydrogene Sulfide Disposal & Liquid Sulfur Recovery Unit in Perm (Sulfur Recovery Unit Project), Russian Federation. Equipment certification according to "GOST" and issue of 'TECHNICAL PASSPORT'

Design Code : ASME BPVC Section VIII Div.1, Ed. 2013

Heat Exchangers' Data :

Item :	E-001 Waste Heat Boiler		E-005 Sulphur Condenser		E-009 Blowdown Cooler	
	Shell Side	Tube Side	Shell Side	Tube Side	Shell Side	Tube Side
Category / Module (TR/CU):	2 / 4	1 / NO	2 / 4	1 / NO	2 / NO	2 / NO
Fluid :	BFW / Steam	Process Gas	BFW / Steam	Process Gas + Liquid Sulfur	Cooling Water	Blow Down Water
Position :	Horizontal		Horizontal		Horizontal	
L (m):	6,96		7,724		0,85	
Internal Diameter (m) :	1,87		1,5		Pipe 10"	
Weight (tns) :	17,01		13,86		0,22	
Capacity (m³) :	13,03	5,33	10,6	2,45	0,43	
Design Pressure (MPa G) :	0,7/F.V.	0,7	0,2 / F.V.	0,2	1/F.V.	0,77
Test Pressure (MPa G) :	1,05	1,05	0,3	0,3	1,5	1,155
Design Temperature (°C) :	-46 / 170	-46 / 350	-46 / 150	-46 / 350	-46/50	-46/170
P.W.H.T. :	Yes (Tube Side)		Yes (Tube Side)		No	
Shell Material :	SA 516 Gr 70N _ 14mm		SA 516 Gr 70N _ 12mm		Shell Pipe SA 333 Gr 6 _ 10" Sch Std	
Tube Material :	SA 333 Gr 6 _ 2½" / 1¼" x Sch80		SA 333 Gr 6 _ 6" x Sch Std		SA 333 Gr 6 _ 2½" / 1¼" x Sch80	
	Lethal Service (Tubeside)		Lethal Service (Tubeside)			

**41343_01 ROG PROJECT_
SUPPLY OF TOWERS FOR TOTAL RAFFINADERIJ, ANTWERPEN, BELGIUM**

