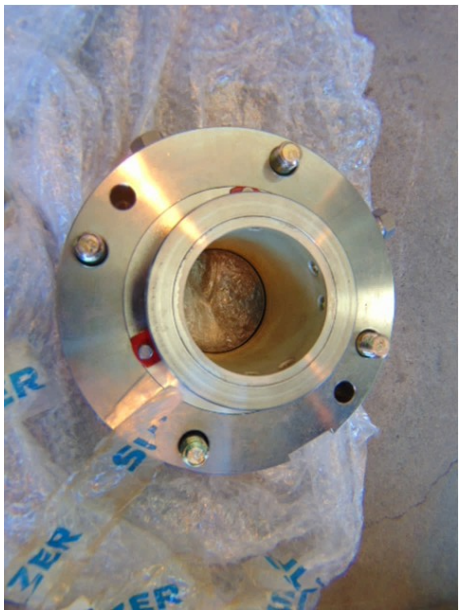










Heatric

DS-H1377 | PCHE DATA SHEET | Sheet 1 of 1

	Petrobras	Project	FPSO P 57		
r	Gusto	Project No	SO17730		
rder No	01.17730.0035	Item No(s)	E-17102		
t	HP Gas Cooler	No. of items required	1		
	Case A	Parallel sections per item	N/A		

SERVICE PER ITEM		SIDE A				SIDE B				Rev
CONDITIONS		In		Out		In		Out		
		Hydrocarbon Gas				Inhibited Fresh Water				
ate, total	kg/hr	72572				90257				
ate, gas/vapour	kg/hr	72572		72572		0		0		
ate, liquid	kg/hr	0		0		90257		90257		
rature	°C	70.0		40.2		35.0		55.0		
n temp: max/min	°C	100 / -20				100 / -20				
ure: inlet/design	barg	197.7 / 230.0				8.0 / 15.0				
ure drop: calc/allwd	bar	0.50 / 0.50				0.99 / 1.00				
PROPERTIES		Liq	Vap	Liq	Vap	Liq	Vap	Liq	Vap	
ty	kg/m³	-	176.5	-	210.9	994	-	986	-	
ic heat	J/kg K	-	3370	-	3810	4180	-	4180	-	
sity	cP	-	0.0220	-	0.0250	0.720	-	0.500	-	
al conductivity	W/mK	-	0.0620	-	0.0650	0.6230	-	0.6460	-	
oint	°C									
ECTIONS										
nozzles		1		1		1		1		
s size	mm NB	150 NB		150 NB		100 NB		100 NB		
s class		Cl 1500 RTJ		Cl 1500 RTJ		Cl 150 RF		Cl 150 RF		
trainer aperture	microns	250				250				
RIALS										
s material		UNS S31803		UNS S31803		UNS S31803		UNS S31803		
s material		UNS S31803		UNS S31803		UNS S31803		UNS S31803		
r material		-		-		UNS S31803		UNS S31803		
r belt material		-		-		-		-		
naterial		SS 316/316L								
MAL DESIGN										
n heat load	kW	2096		LMTD		°C		9.3		
ted TD	°C	8.9		Fouling allowance		%		10		
ll htc, clean	W/m²K	3466		Oversizing		%		10		
rovided	m²	82		Area required, clean		m²		68		
& SIZE										
dry/operating/test	kg	1550 / 1620 / 1650 [2]								2
limensions	mm	297 x 1300 x 579 [2]								

nensions and orientation see MD-H1377.

n Code: ASME BPV Code Section VIII Division 1

ssure drops exclude strainer.
not use for construction. Core length excludes support brackets.
el certified SS 316/316L. 5. Side B Maintenance nozzles not shown on above sketch, 2 x 80 NB total.
ight line heat release assumed. 6. Side B 1 x 50NB Vent (Bout) & 1 x 50NB Drain (Bin) not shown on sketch.



