

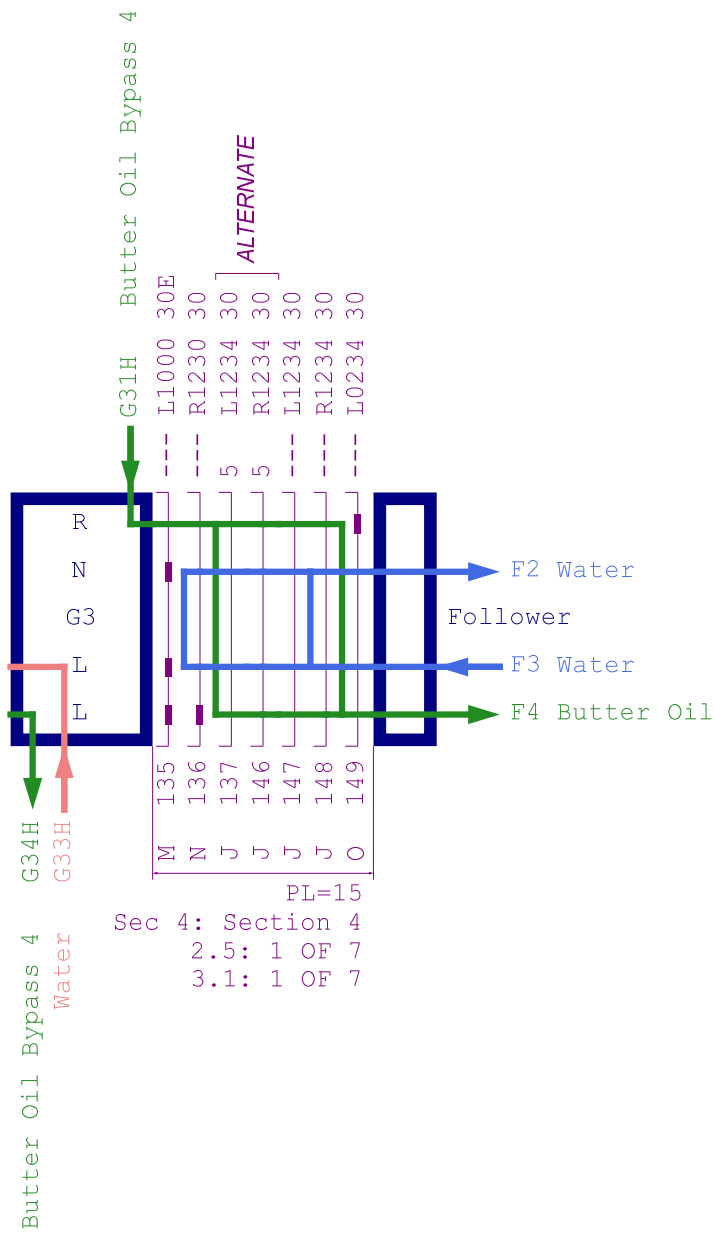
SPX Flow Tech SHA - Xidu

PHE Plate Arrangement
Thermaliser
Uncontrolled Copy

ASK005P3WV01-004-S01

PHE Type H17 RKS-10X/5
Serial No.
Assembly Drawing:
Archive method:

Drawn by
Approved by
Rev. No.



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PHE Duties:				

Duty Liquid	Flowrate	Pressure Loss	Heatrate	Temperature Range
	kg/h	kPa	kW	°C

requested (4/10/25)				
Water	2500	4.56	7.27	75-72.5
Butter O...	2500	368		67-72
				45-67
				72-50
				50-49
				49-45
Water	1190	0.765	5.81	40-44.2
Water	1188	0.232	1.45	44-45.1
Simulation for Original requested (4/10/25)				
Water	2300	3.91	7.15	75-72.3
Butter O...	2500	368		67.1-72
				45-67.1
				72-49.9
				49.9-49
				49-45
Water	1190	0.765	5.86	40-44.2
Water	200	0.0192	1.3	44-49.6
Fluid Volumes in PHE				

1:	4.66	1	Water	
2:	68.2	1	Butter Oil	
3:	4.37	1	Water	
4:	3.85	1	Water	
Component Summary				

Sec ID Qty	Material No	Plate Description		

1 H17				
1	1 G0929KEXPX5XA	P&G ASY H17 (60)	END R1200 316L SS	0...
1	1 G0929FHXPX5XA	P&G ASY H17 (60)	FLOW R0234 316L SS	0...
1	6 G0929F4XPX5XA	P&G ASY H17 (60)	FLOW R1234 316L SS	0...
1	4 G0929F4XPX5XA	P&G ASY H17 (60)	FLOW R1234 316L SS	0...
1	1 G0929FAXPX5XA	P&G ASY H17 (60)	FLOW R1204 316L SS	0...
1	1 G0929FJXPX5XA	P&G ASY H17 (60)	FLOW R0034 316L SS	0...
1	1 G0929FDXPX5XA	P&G ASY H17 (60)	FLOW R1230 316L SS	0...
1	1 G0929FBXPX5XA	P&G ASY H17 (60)	FLOW R1034 316L SS	0...
1	1 G0929FEXPX5XA	P&G ASY H17 (60)	FLOW R1200 316L SS	0...
2 H17				
2	1 G0921KEXPX5XA	P&G ASY H17 (30)	END R1200 316L SS	0...
2	5 G0929FHXPX5XA	P&G ASY H17 (60)	FLOW R0234 316L SS	0...
2	40 G0921F4XPX5XA	P&G ASY H17 (30)	FLOW R1234 316L SS	0...
2	30 G0929F4XPX5XA	P&G ASY H17 (60)	FLOW R1234 316L SS	0...
2	5 G0929FAXPX5XA	P&G ASY H17 (60)	FLOW R1204 316L SS	0...
2	5 G0921FJXPX5XA	P&G ASY H17 (30)	FLOW R0034 316L SS	0...
2	5 G0929FDXPX5XA	P&G ASY H17 (60)	FLOW R1230 316L SS	0...
2	5 G0929FBXPX5XA	P&G ASY H17 (60)	FLOW R1034 316L SS	0...
2	4 G0921FEXPX5XA	P&G ASY H17 (30)	FLOW R1200 316L SS	0...
2	1 G0921FEXPX5XA	P&G ASY H17 (30)	FLOW R1200 316L SS	0...
3 H17				
3	1 G0929KEXPX5XA	P&G ASY H17 (60)	END R1200 316L SS	0...
3	1 G0929FHXPX5XA	P&G ASY H17 (60)	FLOW R0234 316L SS	0...
3	6 G0929F4XPX5XA	P&G ASY H17 (60)	FLOW R1234 316L SS	0...
3	6 G0929F4XPX5XA	P&G ASY H17 (60)	FLOW R1234 316L SS	0...
3	1 G0929FBXPX5XA	P&G ASY H17 (60)	FLOW R1034 316L SS	0...
3	1 G0929FEXPX5XA	P&G ASY H17 (60)	FLOW R1200 316L SS	0...
4 H17				
4	1 G0921KNXPX5XA	P&G ASY H17 (30)	END R0030 316L SS	0...
4	1 G0921FDXPX5XA	P&G ASY H17 (30)	FLOW R1230 316L SS	0...
4	6 G0921F4XPX5XA	P&G ASY H17 (30)	FLOW R1234 316L SS	0...
4	6 G0921F4XPX5XA	P&G ASY H17 (30)	FLOW R1234 316L SS	0...
4	1 G0921FAXPX5XA	P&G ASY H17 (30)	FLOW R1204 316L SS	0...
Sec Qty	Material No	Gasket Description		

Sec Qty	Material No	Pos	Fitting Description	

1	1	CN66G083	G13V	51mm Clamp (Complete in)	SS 316 I...
1	1	CN66G083	G14H	51mm Clamp (Complete in)	SS 316 I...
1	1	BX80001340	H4	51mm Clamp (Complete in)	SS 316 I...
1	1	BX80001340	H3	51mm Clamp (Complete in)	SS 316 I...
2	1	CN66G083	G13H	51mm Clamp (Complete in)	SS 316 I...
2	1	CN66G083	G14V	51mm Clamp (Complete in)	SS 316 I...
2	1	CN66G083	G23H	51mm Clamp (Complete in)	SS 316 I...
2	1	CN66G083	G24H	51mm Clamp (Complete in)	SS 316 I...
3	1	CN66G083	G21H	51mm Clamp (Complete in)	SS 316 I...
3	1	CN66G083	G22H	51mm Clamp (Complete in)	SS 316 I...
3	1	CN66G083	G33H	51mm Clamp (Complete in)	SS 316 I...
3	1	CN66G083	G34H	51mm Clamp (Complete in)	SS 316 I...
4	1	CN66G083	G31H	51mm Clamp (Complete in)	SS 316 I...
4	1	BX80001340	F4	51mm Clamp (Complete in)	SS 316 I...
4	1	BX80001340	F3	51mm Clamp (Complete in)	SS 316 I...
4	1	BX80001340	F2	51mm Clamp (Complete in)	SS 316 I...
Sec Qty Material No Description					

1	1	CX501133	H17 RKS-10X/5		
1	1				
1	1				
General details					

Plate pack dimension			Max 760 mm, Min 746 mm		
		Sec 1	Min 97 mm		
		Sec 2	Min 423 mm		
		Sec 3	Min 134 mm		
Approximate net weight			530 kg		
Total media volume App.			81.1 l		
Design Conditions					

Pressure, kPa		Design	Vacuum	Test opt...	

Sec 1, Water (4-4)		1000	0	1300	
Sec 1, Butter Oil (3-3)		1000	0	1300	
Sec 2, Butter Oil (4-4)		1000	0	1300	
Sec 2, Butter Oil (3-3)		1000	0	1300	
Sec 3, Butter Oil (1-4)		1000	0	1300	
Sec 3, Water (3-2)		1000	0	1300	
Sec 4, Butter Oil (1-4)		1000	0	1300	
Sec 4, Water (3-2)		1000	0	1300	
Max Working pressure			1000 kPa		
Max Differential test pressure			1300 kPa		
Max Balanced test pressure			1300 kPa		
Working temperature			Max 95 °C, Min 0 °C		
Design Code			Chinese Standard (NB/T 47004)		

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