

## SPX Flow Tech SHA - Xidu

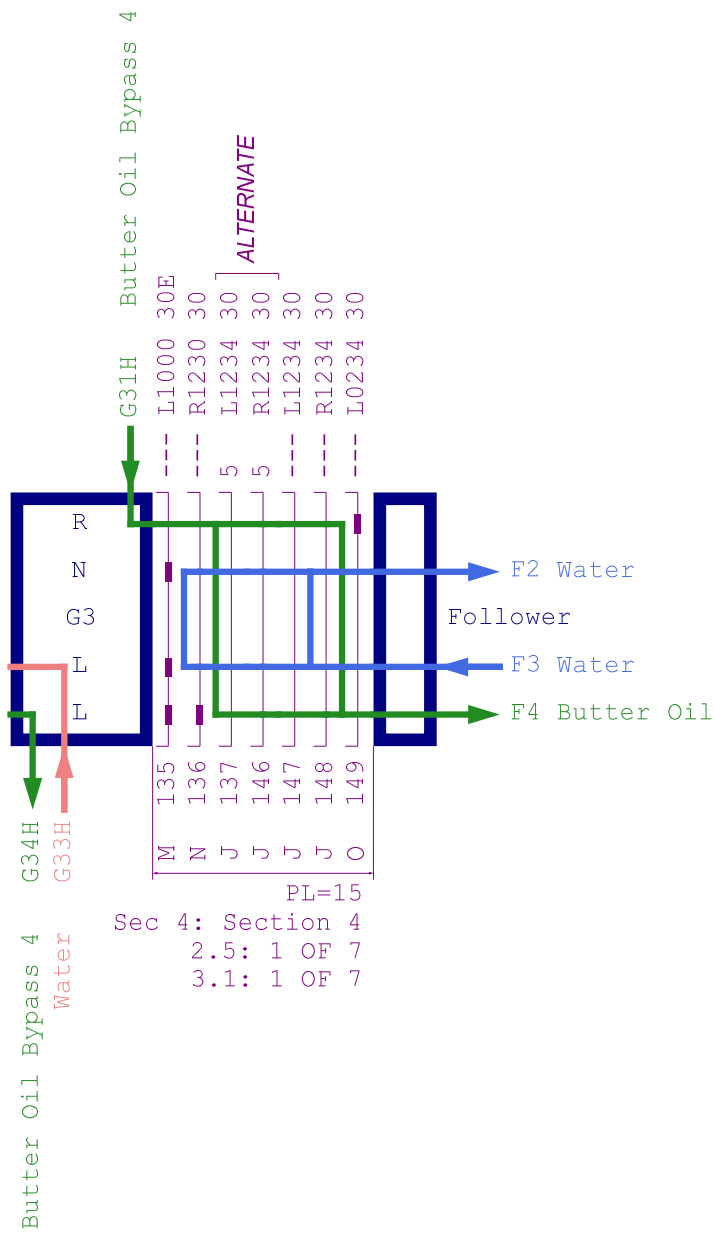
PHE Plate Arrangement  
Thermaliser  
Uncontrolled Copy

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:				
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Duty	Liquid	Flowrate	Pressure	Heatrate
			Loss	
		kg/h	kPa	kW
				Temperature
				Range
				°C
-----				
requested (4/10/25)	Water	2500	4.56	7.27
	Butter O...	2500	368	
				75-72.5
				67-72
				45-67
				72-50
				50-49
				49-45
	Water	1190	0.765	5.81
	Water	1188	0.232	1.45
Simulation for Original requested (4/10/25)				
Water	2300	3.91	7.15	
Butter O...	2500	368		75-72.3
				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				
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	1: 4.66	1	Water	
	2: 68.2	1	Butter Oil	
	3: 4.37	1	Water	
	4: 3.85	1	Water	
Component Summary				
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Sec	ID Qty	Material No	Plate Description	
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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				
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Sec	Qty	Material No	Pos	Fitting Description
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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					
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1	1	CX501133	H17 RKS-10X/5		
1	1				
1	1				
General details					
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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					
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Pressure, kPa		Design	Vacuum	Test opt...	
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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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