

Arrays Table: Main

tag <sub>s</sub> <sub>i</sub>	p <sub>i</sub> [bar]	t <sub>i</sub> [C]	h <sub>i</sub> [kJ/kg]	s <sub>i</sub> [kJ/kg-K]	x <sub>i</sub> [dim]	e <sub>x,i</sub> [kJ/kg]	Ḡ <sub>i</sub> [kg/s] {tonne/h}	h <sub>s,i</sub> [kJ/kg]	x <sub>gh,i</sub> [dim]	Q <sub>dib,i</sub> [MW]	Q <sub>dib,s,i</sub> [MW]	t <sub>dib,s,i</sub> [C]
0	steam - environment	1,013	17	71,45	0,2534	-100	0					
1	hp steam	91,01	485	3348	6,604	100	1434	55,56 {200}	0,061		0	485
2	extraction st outlet	13,01	232,1	2890	6,707	100	946	55,56 {200}	2839	0,07768	8,852	425,1
3	Steam from TV to attemp	13,01	232,1	2890	6,707	100	946	27,01 {97,23}		0,7364	8,852	620,7
4	cond st cv inlet	13,01	232,1	2890	6,707	100	946	28,55 {102,8}		0,1126	50,01	304,1
5	cond st inlet	11,06	228,4	2890	6,778	100	925,3	28,55 {102,8}		0,01232	129,6	304,1
6	condenser inlet	0,05629	35	2161	7,041	0,8329	119,8	28,55 {102,8}	2080		129,6	293,6
7	condenser outlet	0,05629	35	146,6	0,5051	0	2,146	28,55 {102,8}			138,3	263,9
8	cond pump inlet	0,05629	35	146,6	0,5051	0	2,146	27,78 {100}			138,3	201,7
9	att pump inlet	0,05629	35	146,6	0,5051	0	2,146	0,7695 {2,77}			155,1	132,8
10	att pump outlet	13,01	35,17	148,5	0,5069	-100	3,482	0,7695 {2,77}	147,9		155,1	113,9
11	process steam	13,01	201,7	2814	6,552	100	915	27,78 {100}			170,2	113,9
12	cond pump outlet	1,013	35,01	146,8	0,5053	-100	2,245	27,78 {100}	146,7		170,2	132,8
13	Condensate return from process	1,013	70	293,1	0,9551	-100	18,08	13,89 {50}			176,9	104,7
14	Water makeup	1,013	17	71,45	0,2534	-100	0	14,48 {52,12}				
15	Water mixture feed to low pressure pump	1,013	39,03	163,6	0,5594	-100	3,328	56,14 {202,1}				
16	Water mixture feed to heat exchanger	1,634	39,04	163,6	0,5595	-100	3,392	56,14 {202,1}	163,6			
17	heated water feed to LPDRUM	1,634	50	209,5	0,7037	-100	7,358	56,14 {202,1}				
18	Cooled water feed to HP pump	1,634	103,1	432,2	1,342	-100	44,95	56,12 {202}				
19	pressurized water to HPEC1	91,01	104,7	445,6	1,353	-100	55,21	56,12 {202}	441,6			
20	pressurized water to sg condenser	91,01	104,7	445,6	1,353	-100	55,21	0 {0}				
21	pressurized water to HPEC1	91,01	104,7	445,6	1,353	-100	55,21	56,12 {202}				
22	pressurized water to HPEC2	91,01	132,8	564,2	1,655	-100	85,98	56,12 {202}				
23	outlet of HPEC2 to merge with cold flow	91,01	201,7	863,2	2,335	-100	187,7	56,12 {202}				
24	outlet of merge to sweet water condenser	91,01	201,7	863,2	2,335	-100	187,7	56,12 {202}				
25	outlet of sweet water condenser to HPEC3	91,01	263,9	1154	2,91	-100	311,6	56,12 {202}				
26	outlet of HPEC3 to HP drum	91,01	293,6	1308	3,19	-100	385	56,12 {202}				
27	saturated liquid outlet of HPDRUM to Splitter	91,01	304,1	1368	3,294	0	414,5	580,6 {2090}				
28	saturated liquid outlet of HPDRUM to HPEV1	91,01	304,1	1368	3,294	0	414,5	580 {2088}				
29	saturated liquid outlet of HPDRUM to waste	91,01	304,1	1368	3,294	0	414,5	0,5614 {2,021}				
30	saturated steam outlet of HPEV1 to HPDRUM	91,01	304,1	1506	3,532	0,1	482,8	580 {2088}				
31	saturated steam outlet of HPDRUM	91,01	304,1	2741	5,673	1	1097	55,56 {200}				
32	saturated steam inlet to HPS1	91,01	304,1	2741	5,673	1	1097	43,68 {157,2}				
33	Steam outlet of HPS1 to attemp	91,01	620,7	3684	7,011	100	1651	43,68 {157,2}				
34	Steam derivation of HPDRUM to sweet water condenser	91,01	304,1	2741	5,673	1	1097	11,88 {42,75}				
35	Sweet water condenser outlet to attemp	91,01	304,1	1368	3,294	0	414,5	11,88 {42,75}				
36	Attemp outlet to HPS2	91,01	425,1	3189	6,385	100	1338	55,56 {200}				
37	Saturated liquid outlet of LPDRUM to LPEV1	1,634	113,9	478,1	1,462	0	55,95	124,4 {447,7}				
38	LPDRUM saturated liquid outlet to HE	1,634	113,9	478,1	1,462	-100	55,95	56,12 {202}				
39	Saturated liquid inlet to LPEV1	1,634	113,9	478,1	1,462	-100	55,95	68,25 {245,7}				
40	Saturated steam inlet to LPDRUM	1,634	113,9	700	2,035	0,1	111,5	68,25 {245,7}				
41	Saturated steam outlet to vent	1,634	113,9	2697	7,194	1	611,6	0,02778 {0,1}				
42	Hot gases input to HPS2	1,013	721,7	-787,3	8,538		404,9	267,8 {964}		0		
43	Hot gases input to HPS1	1,013	694,9	-820,4	8,505		381,6	267,8 {964}		8,852		
44	Hot gases input to HPEV1	1,013	568,5	-974,1	8,334		277,3	267,8 {964}		50,01		
45	Hot gases input to HPEC3	1,013	313,4	-1272	7,914		101,8	267,8 {964}		129,6		
46	Hot gases input to HPEC2	1,013	284,7	-1304	7,857		85,85	267,8 {964}		138,3		
47	Hot gases input to LPEV1	1,013	228,6	-1367	7,739		57,56	267,8 {964}		155,1		
48	Hot gases input to HPEC1	1,013	177,4	-1423	7,62		35,51	267,8 {964}		170,2		
49	Hot gases outlet	1,013	154,6	-1448	7,563		27,08	267,8 {964}		176,9		
50	Hot gases - environment	1,013	17	-1597	7,145		0					