Stream No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Stream Name	Incoming milk	Milk after PR03	Milk after PR02	Milk after PR03	Milk after repasteurization	Milk after 1st effect	Milk after 2nd effect	Milk after 3rd effect	Milk after feed preheater	Milk powder after dryer	Milk powder after separators	Steam input	Steam for evaporator	Steam for pasteurizer	Vapors after 1st effect	Vapors for 2nd effect	Vapors for PR01	Vapors after 2nd effect	Vapors for 3rd effect	Vapors for PR02	Vapors after 3rd effect	Vapors for PR03	Vapors to condensation	Condensate from pasteurizer	Condensate from 1st effect	Condensates from 2nd effect	Condensates from 3rd effect	Condensates from PR01	Condensates from PR02	Condensates from PR03	Condensates from Vapor condenser CHE01	Condenser Cooling water inlet	Condenser cooling water outlet	Steam for feed preheater	steam for drying air heater	condensate from feed preheater	Condensate from drying air heater	Drying air before heater	Drying air after heater	Atomizing device cooling air	Drying air after dryer	Drying air after separator +filter
Component name	milk	milk	milk	milk	milk	concentrated milk	concentrated milk	concentrated milk	concentrated milk	Milk powder	Milk powder	steam	steam	steam	vapors	vapors	vapors	vapors	vapors	vapors	vapors	vapors	vapors	condensate	condensate	condensate	condensate	condensate	condensate	condensate	condensate	cooling water	cooling water	steam	steam	condensate	condensate	air	air	air	air	air
Working Temp. (°C)	5	31,25	51,6	60,8	72	71	61,8	42,4	60	94	80	175	83	90	70,8	69,8	69,8	61,4	60,4	60,4	41,25	41,25	40,25	89-90	81-83	67-69,8	58-60,4	67-69,8	58-60,4	38-40,25	38-40,25	25	31,25	81,5	220	78-81,5	99	20	200	20	94,6	85
Working pressure (°C	200	200	200	200	200	31,1	21	9,5	200	100	100	900	53,5	70	31,1	31,1	31,1	20,9	20,9	20,9	8	8	8											50	1600								
Flowrate (kg/h)	12000	12000	12000	12000	12000	8469,44	5132,64	2204,08	2204,08	1136,84	1136,84	3769	3531	238	3530,559	3336,801	193,7576	3336,8	2928,56	408,24	2928,56	633,014	2295,546	238	3531	3336,801	2928,56	193,7576	408,24	633,014	2295,546	210,1m3/h	210,1m3/h	76,5	2171,45	76,5	2171,45	27000	27000	100	28167,24	28167,24
Compositions:																																										
Water (%)	91	91	91	91	91	87,25	78,96	51	51	5	5													100	100	100	100	100	100	100	100	100	100			100	100					
Dry matter content (9	9	9	9	9	9	12,75	21,04	49	49	95	95																																
Steam (%)													100	100	100																			100	100								
Vapors (%)																100	100	100	100	100	100	100	100															0,742	0,742	0,742	4,50	4,50
Dry Air (%)																																						99,258	99,258	99,258	95,50	95,50
Compositions:																																										
Water (kg/h)	10920	10920	10920	10920	10920	7389,586	4052,733	1124,081	1124,081	56,842	56,842	0	0	0	0	0	0	0	0	0	0	0	0	238	3531	3336,801	2928,56	193,7576	408,24	633,014	2295,546			0	0	76,5	2171,45	0	0	0	0	0
Dry matter content (9	1080	1080	1080	1080	1080	1079,854	1079,907	1079,999	1079,999	1079,998	1079,998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0
Steam (kg/h)	0	0	0	0	0	0	0	0	0	0	0	3769	3531	238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			76,5	2171,45	0	0	0	0	0	0	0
Water Vapors (kg/h)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3530,559	3336,801	193,7576	3336,8	2928,56	408,24	2928,56	633,014	2295,546	0	0	0	0	0	0	0	0			0	0	0	0	200,34	200,34	0,742	1268,322	1268,322
Dry air (kg/h)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	26799,66	26799,66	99,258	26898,92	26898,92