

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	43	44	45									
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 separator	Steam input	Motive steam for TVR	Steam for pasteurizer	Discharge Vapors from TVR	Vapors after 1st effect	Vapors for 2nd effect	Vapors for PR01	Vapors after 2nd effect	Vapors for 3rd effect	Vapors to TVR	Vapors for PR02	Vapors for PR03	Vapors for condensation	Condensate from pasteurizer	Condensate from 1st effect	Condensate from 2nd effect	Condensate from 3rd effect	Condensate from PR01	Condensate from PR02	Condensate from PR03	Condensate from Vapor condenser CHEO1	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 recuperation	Drying air before recuperation	Drying air after heater	Drying air after heater	Atomizing device cooling air	Drying air after dryer	Drying air after separator + filter before recuperation									
Component name	milk	milk	milk	milk	milk	concentrated milk	concentrated milk	concentrated milk	concentrated milk	Milk powder	Milk powder	steam	steam	steam	steam+vapors	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	air	air									
Working Temp. (°C)	5	26,25	43,4	52,8	68	88	88	82,4	60	94	80	120,21	98	90	80	67,8	67,8	67,8	58,4	58,4	58,4	58,4	41,25	41,25	41,25	89-90	78-80	65-67,8	56-58,4	65-67,8	56-58,4	38-41,25	38-40,25	70m3/h	70m3/h	31,25	81,5	220	78-81,5	99	20	55,75	200	200	20	94,6	85							
Working pressure (°C)	200	200	200	200	200	28,5	19	8,2	200	100	100	200	100	70	47	28,5	28,5	28,5	18,1	18,1	18,1	18,1	7,7	7,7	7,7	89-90	78-80	65-67,8	56-58,4	65-67,8	56-58,4	38-41,25	38-40,25	70m3/h	70m3/h	31,25	81,5	220	78-81,5	99	20	55,75	200	200	20	94,6	85							
Flowrate (kg/h)	12000	12000	12000	12000	12000	7816,503	3826,053	2204,08	2204,08	1136,84	1136,84	2567,96	2161,44	406,52	4183,5	4183,497	3990,449	193,0476	3990,449	1621,972	2022,057	346,42	1621,972	632,2758	989,696	406,52	4183,497	3990,449	1621,972	193,048	346,42	632,28	989,696	70m3/h	70m3/h	76,5	1748,96	76,5	1748,96	27000	27000	27000	100	28167,24	28167,24									
Compositions:																																																						
Water (%)	91	91	91	91	91	87,25	78,96	51	51	5	5																																											
Dry matter content (%)	9	9	9	9	9	12,75	21,04	49	49	95	95																																											
Steam (%)																																																						
Vapors (%)																																																						
Dry Air (%)																																																						
Compositions:																																																						
Water (kg/h)	10920	10920	10920	10920	10920	6819,899	3021,051	1124,081	1124,081	56,842	56,842	0	0	0	0	0	0	0	0	0	0	0	0	0	0	406,52	4183,497	3990,449	1621,972	193,048	346,42	632,28	989,696	0	0	0	0	76,5	1748,96	76,5	1748,96	0	0	0	0	0	0	0	0	0	0			
Dry matter content (kg)	1080	1080	1080	1080	1080	996,6041	805,0016	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	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	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	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	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	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
check to control	12000	12000	12000	12000	12000	7816,503	3826,053	2204,08	2204,08	1136,84	1136,84	2567,96	2161,44	406,52	4183,497	4183,497	3990,449	193,0476	3990,449	1621,972	2022,057	346,42	1621,972	632,2758	989,696	406,52	4183,497	3990,449	1621,972	193,048	346,42	632,28	989,696	0	0	76,5	1748,96	76,5	1748,96	27000	27000	27000	100	28167,24	28167,24									

