

STORK

2. GENERAL TECHNICAL DATA

Required energy etc.

1. Steam

Pressure before the controlvalve: 30 psig

Steam should be dry and saturizied

2. Electricity

415 V - 3 phase - 50 Hz

Controlling tension: 120 V - 60 Hz

3. Compressed air

Free of oil. Dewpoint: -20°C

Pressure: 90 psig

4. Sealingwater for pumps

Clean limefree water, without solid parts, such as sand, etc.

Pressure at the inlet: 35 psig.

5. Coolingwater

maximum temperature: 20°C

pressure before the controlvalve: 37 psig

STORK

3. TECHNICAL DATA

Evaporator

Product		Skimmilk
Quantity	kg/hr	29084
Solids	%	8,8
Temperature	°C	4-16

Waterevaporation

Quantity	kg/hr	23965
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Concentrate

Quantity	kg/hr	5119
Solids	%	50
Temperature	°C	65

Preheating

Boiling temperatures 1st effect	°C	64-80-90
2nd effect	°C	72
3rd effect	°C	69,5
4th effect	°C	64,3
	°C	65,1

Consumptions

Steam for preheating	kg/hr	515
Water for seals	kg/hr	2250
Coolingwater for evaporator	kg/hr	max. 12000
Coolingwater for compressor	kg/hr	4500
Coolingwater temperature	°C	max.

Installed power

Feed pumps	: 1 x 7,5 + 1 x 11
Concentrate pumps	: 5 x 4 + 1 x 5,5
Condenswater pumps	: 1 x 0,75 + 1 x 5,5
Vacuumpumps	: 2 x 11
Compressor	: 350
Oil pump of compressor	: 2,2
Guidevane motor	: 0,1

General

Stainless steel	: Aisi 304
PID drawing nr.	: 0V3510850
Number of evaporating stages	: 3 + 1
Number of compressors	: 1