

TECHNICAL DATA

Evaporator type: 1 step falling film with ABB FLÄKT mechanical high pressure compressor

Capacity, evaporator water	10000	kg/h
Feed	13333	kg/h
Concentrate	3333	kg/h
Dry solids in feed	5(6)	% TS
Feed temperature	32-35	°C
Dry solids in concentrate	20	% TS
Outlet temperature, concentrate	72	°C
Steam temperature	77	°C
Product temperature	72	°C
Condensate outlet temperature	38	°C
Installed power, electrical power	180	kW
Power consumption during operation	130	kW
Water consumption, during operation	2	m ³ /h
Steam consumption, during operation	0-80	kg/h
Liquid amount in system during operation	400	ltr
Steering voltage	220 V	50 Hz
Main voltage	400 V	50 Hz
Supply water pressure	min 2	bar over pres.
Steam pressure	0,5	bar over pres.
Instrument, air supply	4 – 6	bar over pres.
Washing time interval	-	h
Washing time, after normal operation	2	h
Tube diameter	38 mm	
Tube wall thickness	1,2 mm	
Number of tubes	745	
Length of tubes	6000 mm	
Surface area:	534 m ²	