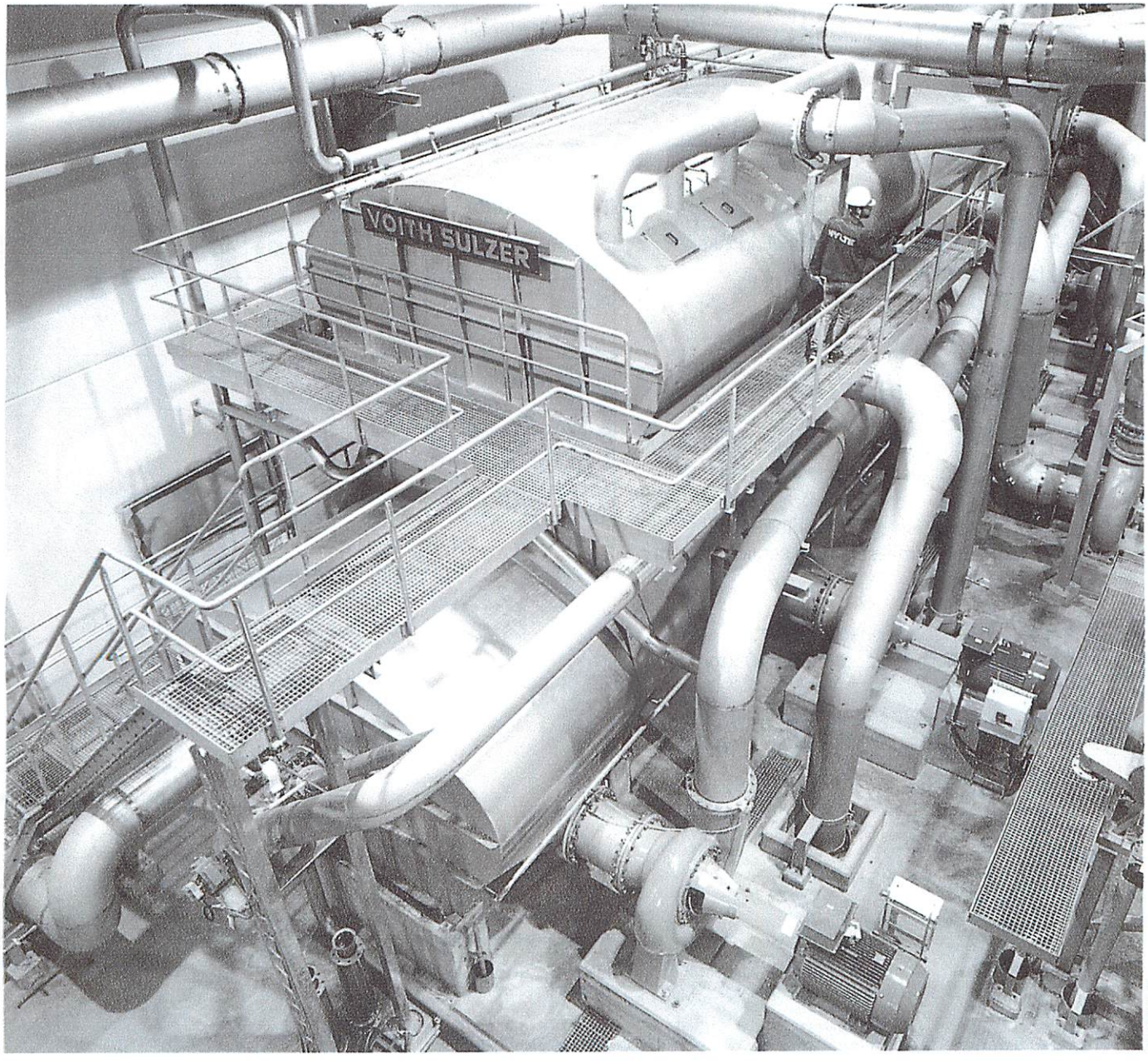
VOITH SULZER
PAPER TECHNOLOGY

Flotation

EcoCell flotation cells



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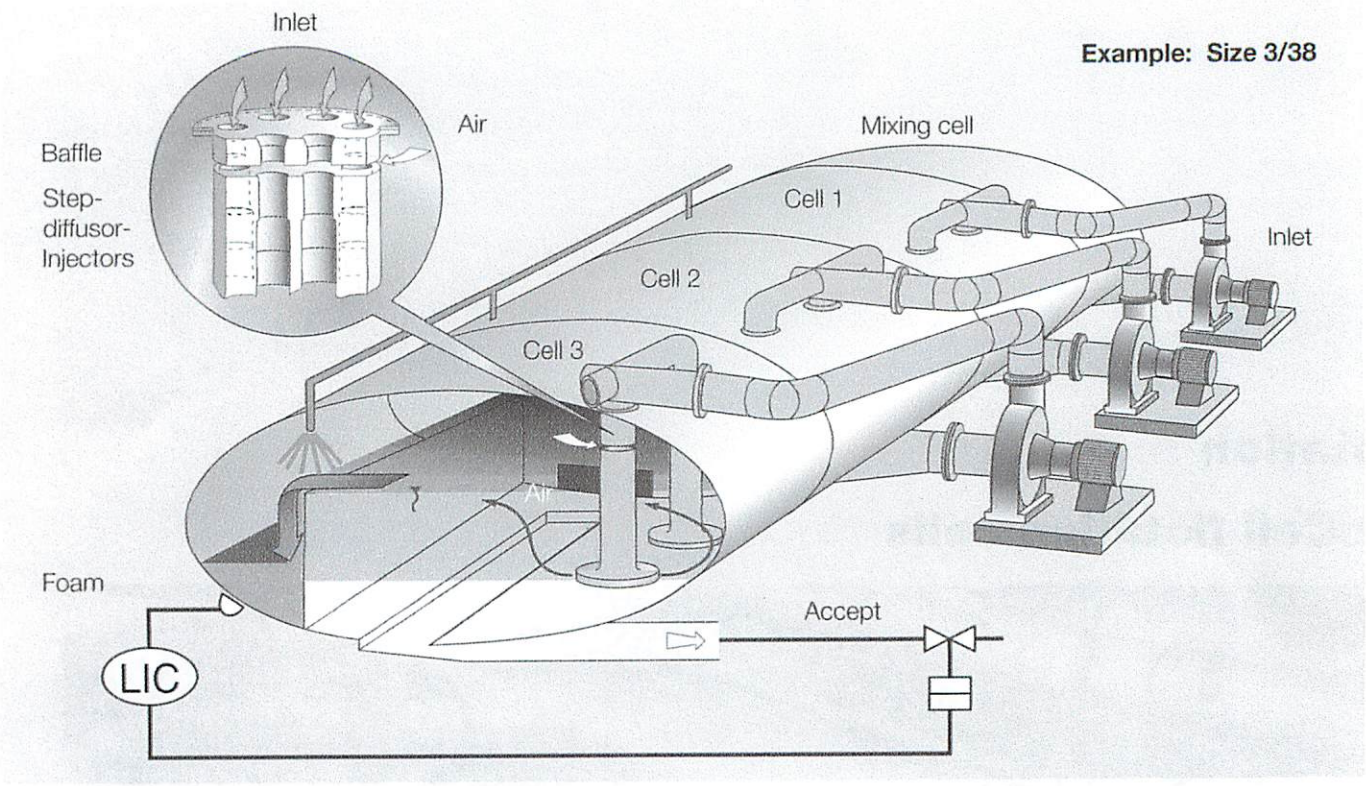
EcoCell ECC



Applications

- Removal of hydrophobic contaminants (printing inks, stickies, etc.) from secondary fibre stocks

Features

- Combination of the design merits of the E-cell with the technological advantages of the CF-cell
- Simple level control, high operational reliability and wide range of production due to interconnecting tanks
- Internally located aeration element (advantageous for closed process air circuit), smallest cross section 32 mm in diameter
- Separation of a wide range of printing ink particle size, in particular the larger dirt specks (approx. 5-500 µm)
- 2-stage line plant (primary and secondary stage) maximum elimination of disturbing components and minimum fibre loss

Technical data

Size *1)	**1/38**	**2/38**	**3/38**	**4/38**	**5/41**	**6/44**
Accept t/24h quantity approx.	80	160	240	320	470	620
Inlet pressure kPa	90					
Spec. power consumption kwh/t approx. *2)	27					

*1) 3/38 = 3 Number of aeration elements per cell, length of cell (m)
38 Horizontal ellipse diameter of cell (dm)

*2) Standard line A: 5 primary cells / 1 secondary cell
Number of primary cells (3-6) *depend* on raw material, production capacity and technological result required

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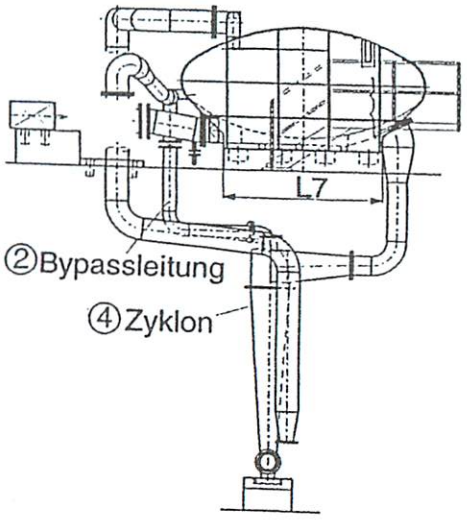
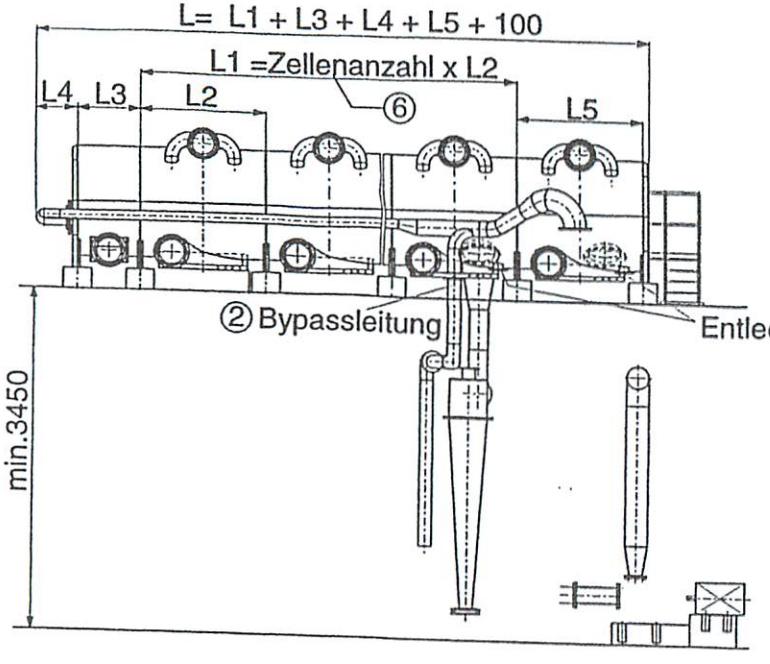
MASSBLATT

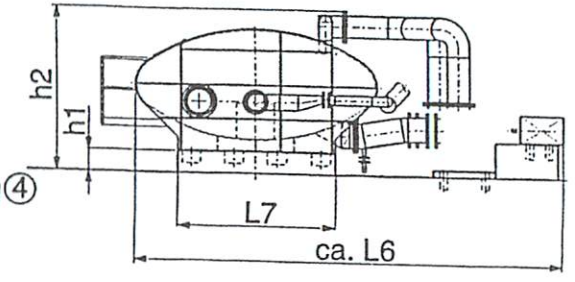
EcoCell ECC
Größe 1/38-6/44

EcoCell ECC, Size 1/38-6/44
EcoCell ECC, Taille 1/38-6/44

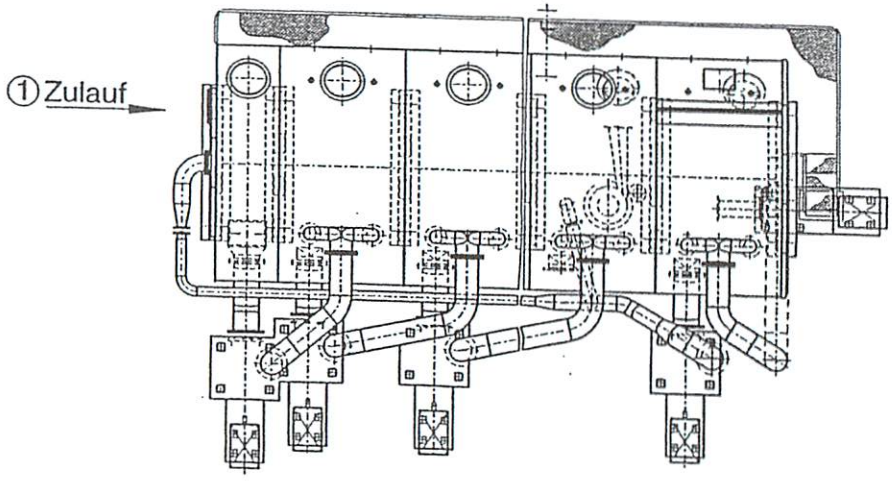
ECC 1/38...6/44

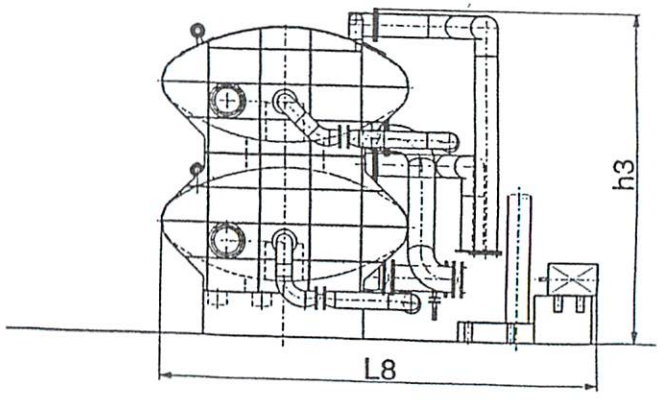






Doppelstockanordnung
Two-story arrangement
Disposition en deux étages





Maße in
Dimensions in } mm
Cotes en

Maß- und Konstruktionsänderungen vorbehalten
Dimensions and design subject to change

Größe ⑤	Zellenanzahl Primär ⑦	L1 mm	L2 mm	L3 mm	L4 mm	L6 mm	L7 mm	L8 mm	h1(min.) mm	h2 mm	h3 mm	Zellenanzahl Sekundär ⑧	L5 mm
1/38	5	5000	1000	1000	665	6350	2500	8500	200	2550	5200		
	4	4000											
	3	3000										1	1000
2/38	5	10000	2000	1000	665	6500	2500	7700	200	2550	5200		
	4	8000											
	3	6000										1	2000
3/38	5	15000	3000	1500	665	6500	2500	7100	200	2550	5200		
	4	12000											
	3	9000										1	3000
4/38	5	20000	4000	2000	665	6800	2500	7900	425	2800	5200		
	4	16000											
	3	12000										1	4000
5/41	5	25000	5000	2500	715	7600	2750	8800	550	3450	6300		
	4	20000											
	3	15000										1	5000
6/44	5	30000	6000	2500	715	7850	3100	9500	610	3900	7100		
	4	24000											
	3	18000										1	6000

① **Zulauf**
Supply
Admission

② **Bypassleitung**
Bypass
Conduite bypass

③ **Entleerung**
Discharge
Vidange

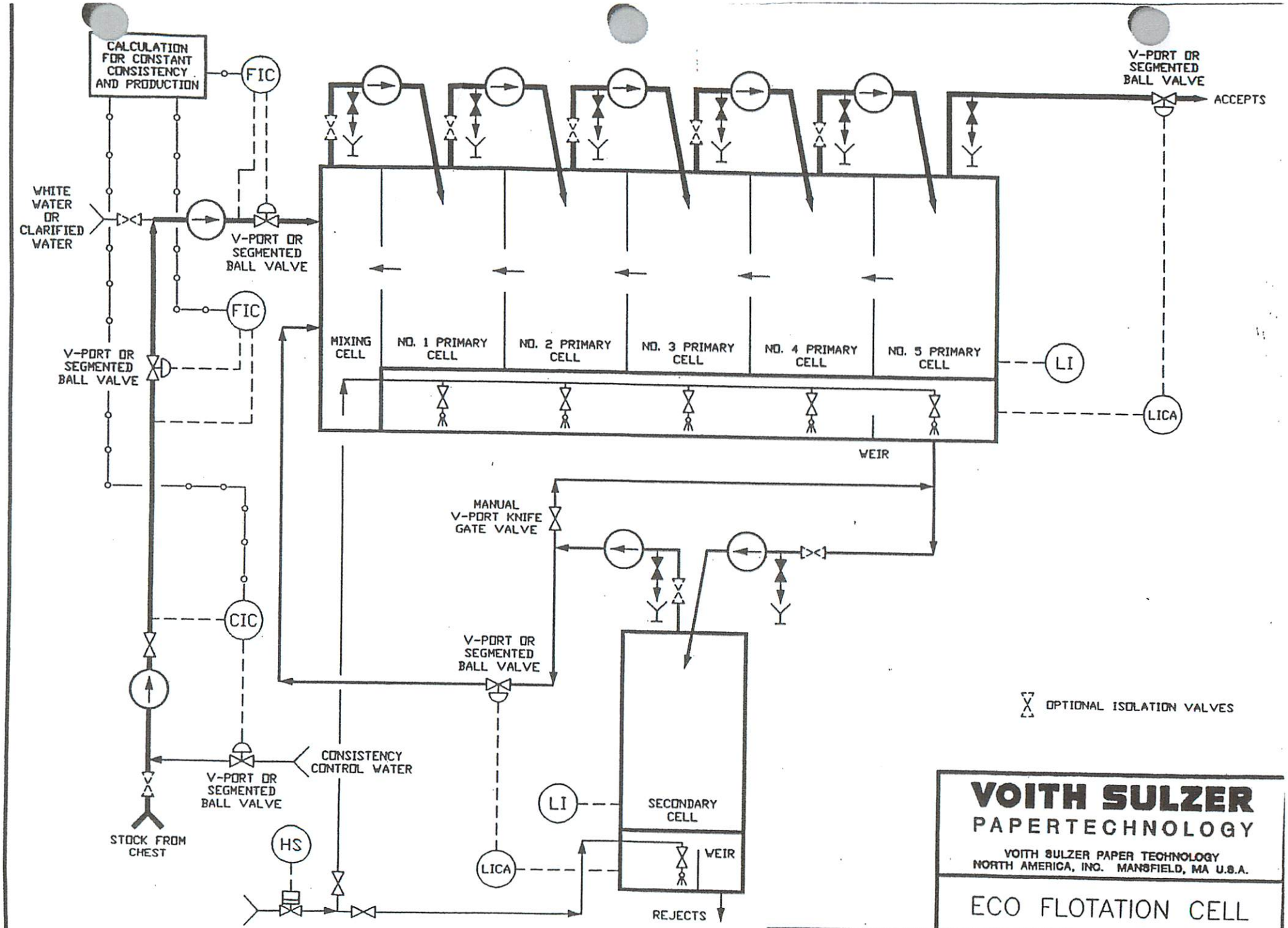
④ **Zyklon**
Cyclone
Cyclone

⑤ **Größe**
Size
Taille

⑥ **Zellenanzahl**
Number of cells
Nombre de cellules

⑦ **Zellenanzahl Primär**
Number of primary cells
Nombre de cellules primaires

⑧ **Zellenanzahl Sekundär**
Number of secondary cells
Nombre de cellules secondaires



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ECO FLOTATION CELL

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