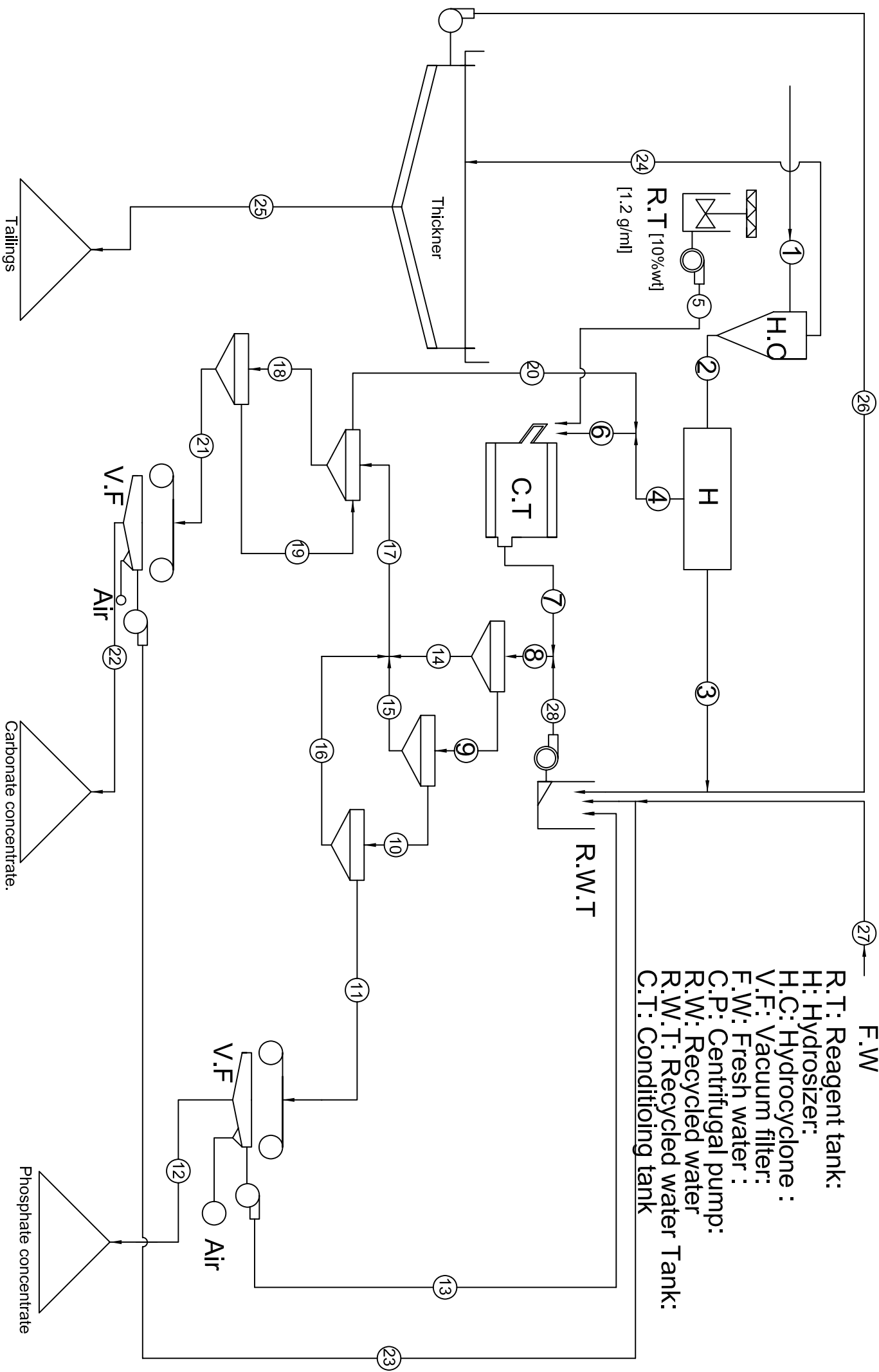


Group B: Flotation circuit



- R.T.: Reagent tank:
- H.: Hydrocyclone:
- H.C.: Hydrocyclone :
- V.F.: Vacuum filter:
- F.W.: Fresh water :
- C.P.: Centrifugal pump:
- R.W.: Recycled water Tank:
- R.W.T: Recycled water Tank:
- C.T.: Conditioning tank

Size D ₅₀ (μm)	Solids (%wt)	Collector (kg/tonne)	Flotation time (min)	Float (wt%)		Sink (wt%)	
				P ₂ O ₅	CO ₂	P ₂ O ₅	CO ₂
400	25	1.0	5	13	23	20	6
400	25	1.0	8	11	25	21	4.5
400	25	1.0	10	10	26	23	4
400	30	0.25	5	11	14	21	8
400	30	0.25	8	8	15	23	6
400	30	0.25	10	7.5	16	26	5.5
400	30	0.5	5	10	18	23	6
400	30	0.5	8	9	21	24	5.5
400	30	0.5	10	8	22	26	4.5
400	30	1.0	5	12	22	19	5.5
400	30	1.0	8	10	24	20	4
400	30	1.0	10	9	25	22	3.8
300	20	0.25	5	14	17	24	10
300	20	0.25	8	11	18	26	9
300	20	0.25	10	10	20	28	8
300	20	0.5	5	13	21	26	8
300	20	0.5	8	12	24	27	7
300	20	0.5	10	10	25	29	6
300	20	1.0	5	15	24	22	7
300	20	1.0	8	13	27	23	6
300	20	1.0	10	12	28.5	25	5
300	25	0.25	5	13.5	16	23	9
300	25	0.25	8	10	17	25	8
300	25	0.25	10	9	19	27	7
300	25	0.5	5	12.5	20	25	7
300	25	0.5	8	11	23	26	6.5
300	25	0.5	10	9	24	28	5
300	25	1.0	5	14	23	21	6
300	25	1.0	8	12	26	22	5.5
300	25	1.0	10	11	27.5	24	4.5
300	25	0.25	5	13	15	22	8
300	30	0.25	8	9.5	16	24	7.5
300	30	0.25	10	8	18	26	6.5
300	30	0.5	5	12	19	24	6
300	30	0.5	8	10	22	25	6
300	30	0.5	10	8.5	23	27	4.5
300	30	1.0	5	13	22	20	5.5
300	30	1.0	8	11	25	21	5
300	30	1.0	10	10	26	23	4
150	20	0.25	5	16	18	25	11
150	20	0.25	8	13	19	27	10
150	20	0.25	10	12	21	29	9
150	20	0.5	5	17	19	23	10
150	20	0.5	8	14	20	26	9
150	20	0.5	10	13	22	28	8
150	20	1.0	5	16	18	22	9
150	20	1.0	8	13	19	25	8.5
150	20	1.0	10	12	21	27	7.5

Size D ₅₀ (μm)	Solids (%wt)	Collector (kg/tonne)	Flotation time (min)	Float (wt%)		Sink (wt%)	
				P ₂ O ₅	CO ₂	P ₂ O ₅	CO ₂
150	30	0.25	5	15	19	24	10
150	30	0.25	8	12	18	26	9
150	30	0.25	10	11	20	28	8
150	30	0.5	5	16	18	22	9
150	30	0.5	8	13	19	25	8
150	30	0.5	10	12	21	27	7.5
150	30	1.0	5	15	17	21	8
150	30	1.0	8	12	18	24	7.5
150	30	1.0	10	11	20	26	7