

## SECTION 2. TECHNICAL SPECIFICATIONS

### 2.1. FACLON SEMI BATCH (SB) CONCENTRATORS

All-welded frame construction, mild steel with epoxy paints to ensure long life of the unit.

All-welded launders/lid construction, mild steel with natural rubber and epoxy paint to ensure long life of the unit.

Rotating Assembly consists of machined shaft, rotor base, and rotor bowl. All components contacting slurry are lined with natural rubber. This assembly is effectively the only moving part.

Drive consists of the VFD, motor, synchronous belt and sprockets.

MODEL		L40	SB400	SB750	SB1350	SB2500	SB5200	
RECOMMENDED SOLIDS CAPACITY	t/h	0 - 0.25	1 - 15	10 - 80	50 - 150	100 - 250	200 - 400	
MAX SLURRY CAPACITY	m <sup>3</sup> /hr	2.3	30	100	200	300	450	
CONCENTRATING SURFACE AREA	m <sup>2</sup>	0.03	0.21	0.46	1.08	2.14	3.37	
G-FORCE RANGE	upper	200	150	200	200	200	200	
	lower	50	100	50	50	50	50	
MACHINE WEIGHT	kg	35	485	1 250	2 900	4 560	7 720	
MOTOR POWER	kW (HP)	0.4 (0.5)	3.7(5.0)	7.5 (10)	18 (25)	45 (60)	75 (100)	
PROCESS WATER CONSUMPTION	m <sup>3</sup> /hr	0.24 - 1.2	3 - 5	8 - 12	12 - 20	15 - 28	25 - 35	
WATER SUPPLY PRESSURE	bar	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	
RECOMMENDED MAX FEED PARTICLE SIZE	mm	1.0	2.0	2.0	2.0	2.0	2.0	
ABSOLUTE MAXIMUM FEED PARTICLE SIZE*	mm	1.5	2.5	4.0	4.0	4.0	4.0	
MAXIMUM FEED PERCENT SOLIDS*	%	55 - 70	65	55 - 70	55 - 70	55 - 70	55 - 70	
CONCENTRATE SLURRY FLUSH VOLUME*	litre	1	25	100	150	250	350	
CONCENTRATE SOLIDS FLUSH VOLUME*	cm <sup>3</sup>	120	1 230	5 275	12 425	18 750	24 050	
DIMENSIONS	WIDTH	m	0.49	1.02	1.71	2.24	2.67	2.99
	LENGTH	m	0.31	1.00	1.44	1.90	2.00	2.32
	HEIGHT	m	0.51	1.43	1.50	2.07	2.27	2.73

\*denotes application specific parameter, consult manufacture

Note: Specifications are subject to change without notice. Equipment may not operate or achieve best performance under maximum capacities.