



INLINE LEACH REACTOR



BATCH

TECHNICAL SPECIFICATIONS

		MODEL								
	Unit	Mini	100BA	150BA	1000BA	2000BA	3000BA	4000BA	5000BA	10000BA
Length	mm	833	5019	5769	5817	7349	8852	9485	11764	11768
Height	mm	1000	5221	5221	6197	7349	6739	7219	9598	9598
Width	mm	1411	2161	2161	2270	2270	2452	2500	2544	6229
Mass of resident load @ 3.6 S.G.	kg	18.6	930	1425	2800	5260	7040	10190	12660	25320
ILR feed cone	m3	N/A	2.5	2.5	5	7.5	10	15	15	15
ILR solution cone	m30.0	0.036	4.3	4.3	7.5	10	15	15	20	2 x 20
Instrument air supply		Instrument air quality @ 600 kPa								
Air consumption	Lt/min	2	10	10	10	10	10	10	10	20
Total installed power	kW	0.04	8.05	8.25	10.5	11.5	13	18.5	24	37
Drum installed power	kW	0.04	0.55	0.75	3	4	5.5	11	13	26
Pump installed power	kW	Air driven	7.5	7.5	7.5	7.5	7.5	7.5	11	11
Supply voltage	Voltage	1 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase	3 phase
Total mass	kg	109	5500	6000	9200	11500	14700	18200	21800	43600
Total sanded mass @ s.G. 3.6	kg	130	10570	11380	19850	27500	36600	49500	54900	85900
Mass of heaviest item	kg	109	3500	4000	7000	9000	11500	15000	17500	17500
LEACH SOLUTION										
Flow rate	t/hr	0.01-0.05	5-10	5-10	5-15	5-15	5-15	5-15	5-15	5-15
Gold loading	g/t	50-3000	50-3000	50-3000	50-3000	50-3000	50-3000	50-3000	50-3000	50-3000
Oxygen levels	ppm (DO)	10-30	10-30	10-30	10-30	10-30	10-30	10-30	10-30	10-30
Typical cyanide solution grade	%	2	2	2	2	2	2	2	2	2
DRUM										
Length	mm	350	1520	2270	1685	3370	4795	6315	8204	8204
Diameter	mm	272	1000	1000	1778	1778	1778	1778	1778	1778
Speed	rpm	~2	~2	~2	~2	~2	~2	~2	~2	~2
Usable volume	m3	0.00827	0.52	0.79	1.65	3.19	4.67	6.15	7.64	15.28

BATCH ILR FLOWSHEET

