



SEPRO LEACH REACTORS

APPLICATIONS

- Recovery of gold from concentrates

CAPACITIES

- SLR units sized to project specifications
- Laboratory units available

KEY ADVANTAGES

Streamlined simple design

- Minimal moving parts
- Agitated tank leach

Valuable metallurgical benefits

- Clear pregnant solution
- Ideal feed for electrowinning
- No loss of fines
- Leached ore can be returned to circuit
- Barren solution can be reused
- Fast leach kinetics

Completely automated process

- Minimal oversight risk
- Continual monitoring for optimal performance

Hassle free maintenance

- Online instrumentation cleaning and replacement
- Simple pumps used periodically
- Rubber lined mixer and leach tank limits wear

Optimized safety features

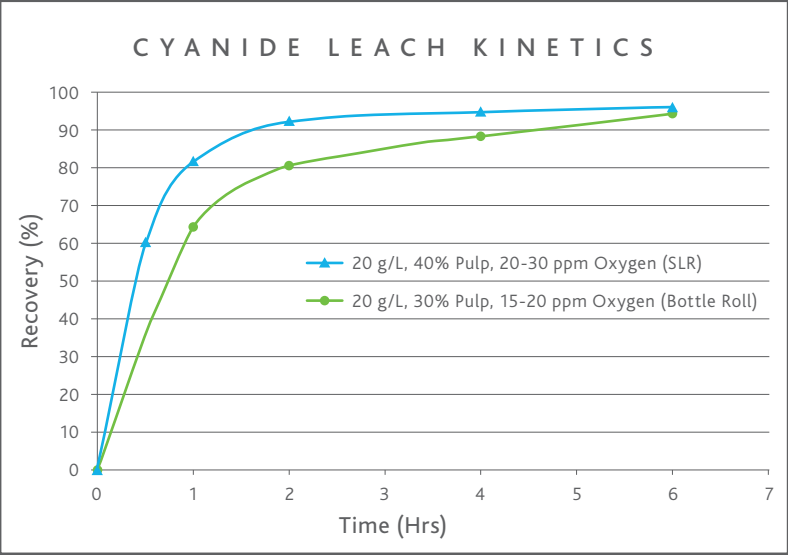
- pH monitor to minimize risk of HCN formation
- HCN monitor for failsafe

GAIN HIGHER RECOVERY WITH NO LOSS OF FINES

The **Sepro Leach Reactor** is a high yield processing solution designed to drastically improve mineral recovery from gravity concentrate. Combining long-term production value with low operating costs, the SLR is installed after concentration in a circuit to maximize gravity treated ore. Extensive test work of the SLR on site has shown over 99% of the target mineral is recovered through a simple, fully automated process that is easily incorporated into recovery operations.

Sepro designs and supplies complete, customizable recovery circuits incorporating leaching, gravity concentration, and electrowinning based on project requirements. Laboratory units are also available for SLR testing which generate reliable data for scale up to commercial operation. Pilot scale machines are also supplied for field test purposes.

Pilot scale leach reactors are available for pilot plant and laboratory use.



SPECIFICATIONS

MODEL		SLR10	SLR350	SLR1000*
RECOMMENDED CAPACITY @ 3.0 S.G.	kg	10	250	1,000
CONCENTRATE CONE VOLUME	m ³	N/A	0.2	0.8
LEACH TANK VOLUME	m ³	0.02	0.5	1.8
AIR SUPPLY	kPa	N/A	N/A	600
MIXER POWER	kW	0.75	3.7	5.6
CN LEVELS	ppm	20,000	20,000	20,000
DISSOLVED OXYGEN LEVELS	ppm	10-30	10-30	10-30
DIMENSIONS: LENGTH	M	2.8	3.9	4.9
WIDTH	M	1.3	1.8	2.3
HEIGHT	m	2.6	3.1	3.6

*Special applications only, consult manufacturer.

MODEL		SLR3000	SLR6000
RECOMMENDED CAPACITY @ 3.0 S.G.	kg	3,000	6,000
CONCENTRATE CONE VOLUME	m ³	2.3	4.6
LEACH TANK VOLUME	m ³	5.5	11.0
AIR SUPPLY	kPa	600	600
MIXER POWER	kW	11.2	11.2
CN LEVELS	ppm	20,000	20,000
DISSOLVED OXYGEN LEVELS	ppm	10-30	10-30
DIMENSIONS: LENGTH	M	6.0	7.0
WIDTH	M	2.9	3.4
HEIGHT	m	4.2	4.7

