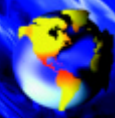




DI-SEP® SX Filter



SMITH & LOVELESS INC.

www.di-sepsx.com

DI-SEP® SX Filtration System South American Installation List

The DI-SEP® SX Filter serves as the final electrolyte cleaning step prior to the electrolyte re-circulation tank (ER) and electrowinning (EW) in copper mining. Marketed by the Industrial Products & Systems Division of Smith & Loveless, the primary objective of DI-SEP® filtration is the removal of organic and solids prior to electrowinning after the SX process.

Unit Installations in South America 33 Total Units at 7 Mines



Cerro Verde



Tintaya

Cerro Verde
Cyprus
6 - 162" DI-SEP® SX Filters
2552 GPM (580 m³/h)
Stainless Steel Tankage

Tintaya
BHP (principal) - Oxide
3 - 132" DI-SEP® SX Filter
1432 GPM/72 m³/h
316 L SS Tankage
Kvaerner Metals

Radomiro Tomic
Codelco - Radomiro Tomic
2 - 72" DI-SEP® SX Filters
Stainless Steel Tankage

Zaldivar
Placer Dome
8 - 174" DI-SEP® SX Filters
6336 GPM/Stainless Steel Tankage
Fluor Daniel Wright

Escondida, Chile
BHP (principal) - Oxide
8 - 174" DI-SEP® SX Filter
6600 GPM/1500 m³/h
Stainless Steel Tankage
Fluor Daniel Chile

Los Bronces
Disputada
1 - 108" DI-SEP® SX Filter
317 GPM/72 m³/h
Stainless Steel Tankage
Fluor Daniel Chile

El Soldado
Disputada/Exxon Mobil
1 - 72" DI-SEP® SX Filter
150 GPM/Stainless Steel Tankage

1 - 78" DI-SEP® SX Filters
154 GPM/35 m³/h
3 - 120" DI-SEP® SX Filters
1100 GPM
Stainless Steel Tankage
Bechtel



Escondida



Zaldivar



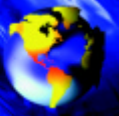
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Smith & Loveless Inc. System Innovators for global pumping, water and wastewater treatment



DI-SEP® SX Filter



SMITH & LOVELESS INC.

www.di-sepsx.com

DI-SEP® SX Filtration Systems North American Installation List

The DI-SEP® SX Filter serves as the final electrolyte cleaning step prior to the electrolyte re-circulation tank (ER) and electrowinning (EW) in copper mining. Marketed by the Industrial Products & Systems Division of Smith & Loveless, the primary objective of DI-SEP® filtration is the removal of organic and solids prior to electrowinning after the SX process.



Unit Installations in North America 55 Total Units at 11 Mines



McLeese Lake, B.C.

Gibraltar Mines

- 1 - 108" DI-SEP® SX Filter
- 425 GPM
- Stainless Steel Tankage

Claypool, AZ

Phelps Dodge

- 3 - 114" DI-SEP® SX Filters
- 1559 GPM
- 3 - 114" DI-SEP® SX Filters
- 1599 GPM

Miami, AZ

BHP Billiton - Pinto Valley

- 1 - 78" DI-SEP® SX Filter
- 250 GPM
- 1 - 72" DI-SEP® SX Filter
- 515 GPM/Stainless Steel Tankage

Kearny, AZ

Kennecott Corporation

- 5 - 132" DI-SEP® SX Filters
- 3000 GPM

Marana, AZ

ASARCO - Silver Bell

- 3 - 114" DI-SEP® SX Filters
- 1010 GPM/316 SS
- Bechtel

Cananea, Mexico

Cia. Minería de Cananea

- 1 - 96" DI-SEP® SX Filter
- 500 GPM/316 SS
- 3 - 120" DI-SEP® SX Filters
- 1300 GPM

Mariquita Project

- 3 - 114" DI-SEP® SX Filters
- 971 GPM
- Bateman Engineering

Morenci, AZ

Phelps Dodge

- 4 - 144" DI-SEP® SX Filters
- 3 - 156" DI-SEP® SX Filters
- 316 SS
- Brown & Root

Southside Expansion

- 6 - DI-SEP® 174" SX Filters
- 5000 GPM/316 SS
- Brown & Root

Mine-leach Expansion

- 6 - 186" DI-SEP® SX Filters
- 4800 GPM/SS
- Brown & Root/Fluor Dainel Wright

Tyrone, NM

Phelps Dodge

- 1 - 114" DI-SEP® SX Filter
- 550 GPM
- 3 - 144" DI-SEP® SX Filters
- 825 GPM
- Brown & Root/Fluor Daniel

Hurley, NM

Chino Mines

- 2 - 144" Filters
- 1700 GPM
- Brown & Root

Safford, AZ

Phelps Dodge - Pilot Plant

- 2 - 36" DI-SEP® SX Filters
- 30 GPM
- Stainless Steel Tankage

San Manuel, AZ

Magna Copper

- 2 - 120" DI-SEP® SX Filters
- 772 GPM
- 2 - 138" Filters
- 1050 GPM
- Bechtel

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