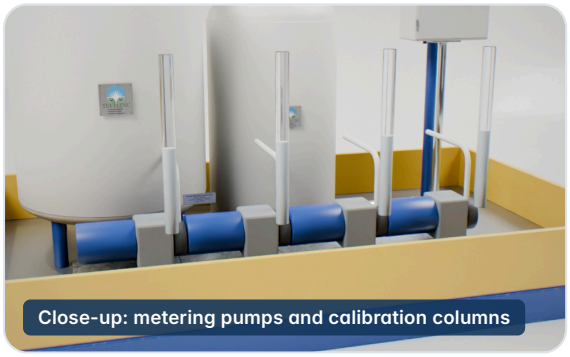
PRODUCT DATASHEET

Flotation and Leaching Reagent Dosing Skid

Reagent make-up and dosing for concentrators and leach plants

Product page





Close-up: metering pumps and calibration columns

OVERVIEW

The Tech Inc. Flotation and Leaching Reagent Dosing Skid makes up and doses the reagents that a concentrator or leach plant runs on: collectors, frothers, depressants and flocculants for flotation, and acids, alkalis and lixiviants for leaching. Reagents are mixed to strength in agitated tanks, held in day tanks and dosed by metering pumps to each addition point, with flow measured and trimmed from the plant control system.

TYPICAL DESIGN DATA

Reagents	Collectors, frothers, depressants, flocculants, acids, alkalis and lixiviants
Wetted materials	316L, duplex, HDPE or PVDF, chosen by reagent
Dosing	Metering or peristaltic pumps with flow measurement
Codes and standards	Pressure parts to ASME B31.3; electrical to IEC 60204-1
Control	Local or remote set points, flow trim and alarms
Safety	Bunds, eyewash connection and interlocks for hazardous reagents
Frame	Skid with bund, lifting lugs and roof on request

MODELS AND CAPACITIES

- **TI-MRD-10** – about 0.5 to 10 L/h per line
- **TI-MRD-100** – about 5 to 100 L/h
- **TI-MRD-1000** – about 50 to 1,000 L/h
- **TI-MRD-F** – flocculant make-up, sized to the plant

Indicative dosing range per pump.

ORDERING CODE

Example **TI-MRD-100-4-F**: **100** maximum dose per line, L/h; **4** number of dosing lines; **F** options: F flocculant make-up, R ring main, S shelter.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** flocculant make-up system; ring main to the flotation cells; shelter or container; duty and standby pumps on every line; spare pump kits.

KEY ADVANTAGES

- **Steady recovery** – measured, trimmed dosing
- **Right materials** – chosen for each reagent
- **Less reagent used** – dose follows the plant set point
- **Safe handling** – bunds, closed make-up and interlocks

How to cite: Flotation and Leaching Reagent Dosing Skid (model TI-MRD; Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/mining-reagent-dosing-skid

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