



Emerson's Measurement Instrumentation Solutions for Mining Excellence

A guide that examines each step of the mining process, showcasing how our wide array solutions enable operators to elevate their efficiency, safety, and commitment to the environment.

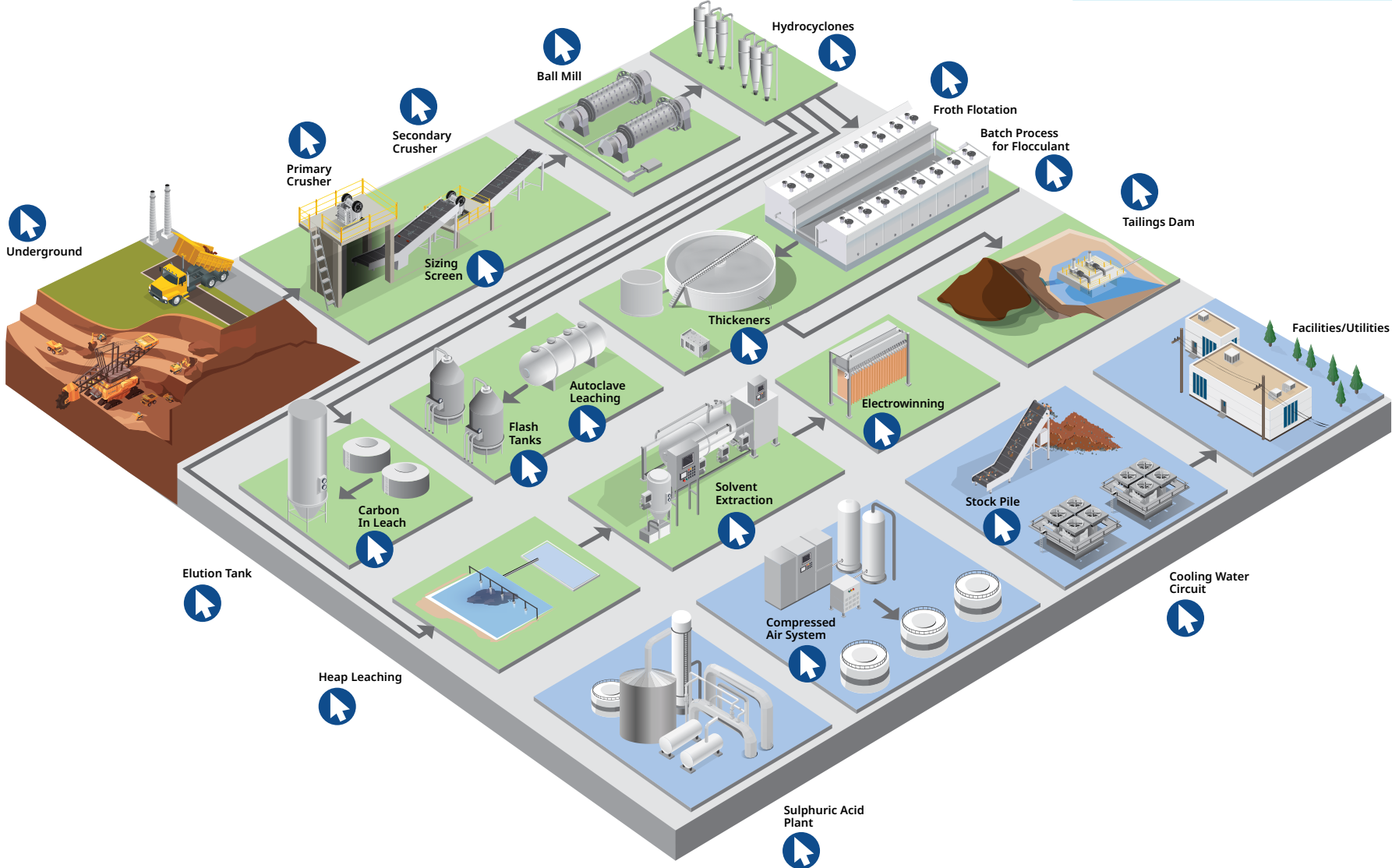


EMERSON[™]

Boosting Operational Efficiency and Safety While Prioritizing Environmental Stewardship

Mining is a cornerstone industry, vital to the global economy, underpinning the supply chains for materials and the production of essential goods. At Emerson, we understand the complex and changing needs of this pivotal sector. Explore how our extensive range of measurement instrumentation solutions empower mining operators to advance toward mining operations that are not only safer and smarter but also more sustainable.


INSTRUCTIONS: Click to explore the P&IDs.

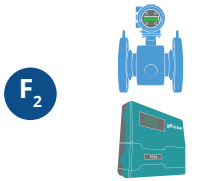



Underground


- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


INSTRUCTIONS: Click on the products to learn more.


- 


FG₁ Rosemount™ 8600 Utility Vortex Flow Meters or Flexim FLUXUS® CA532
- 


F₂ Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 


F₃ Rosemount™ MS Magnetic Sensor and Rosemount™ 8782 Transmitter for Slurry Applications
- 

L₃ Rosemount™ 5408 Level Transmitter - Non-Contacting Radar
- 

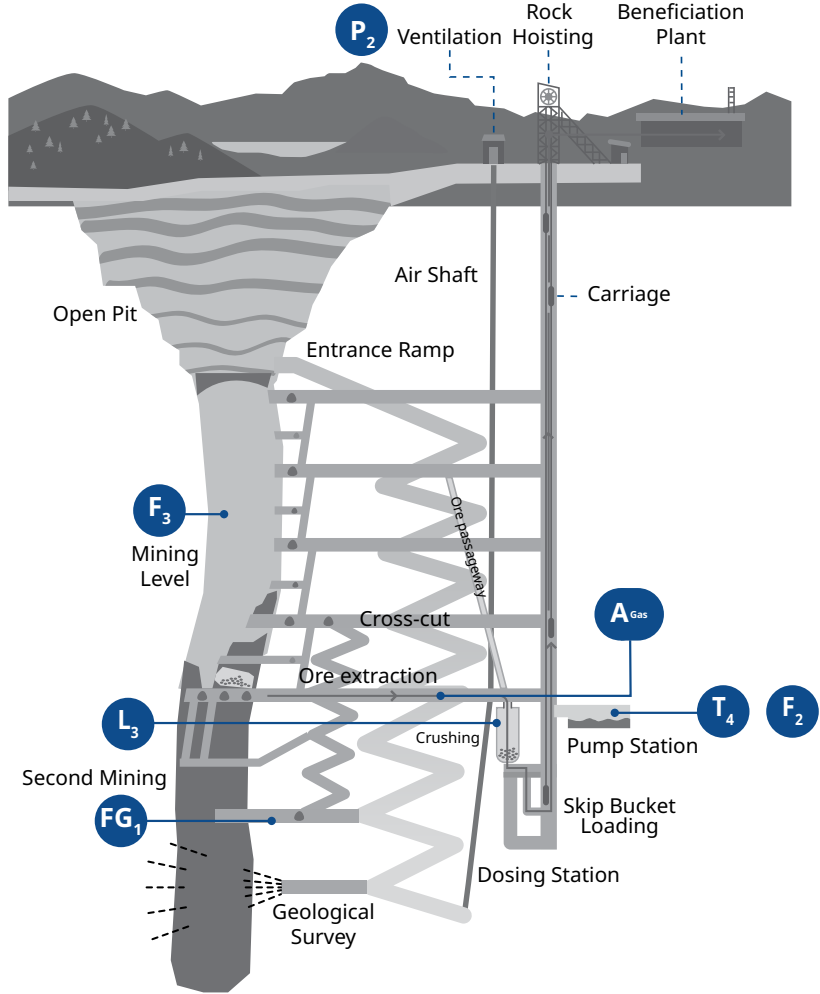
P₂ Rosemount™ 485 Annubar™ Primary Element
- 

T₄ Rosemount™ 848T Wireless Temperature Transmitter and AMS Wireless Vibration Monitor
- 

A_{Gas} Rosemount™ 928 Wireless Gas Monitor
- 

A_{Flame} Rosemount™ 975MR Multi-Spectrum Infrared Flame Detector
- 

Reference Plantweb Insight™ Applications Matrix



Crusher Hopper

OVERVIEW

UNDERGROUND

CRUSHER HOPPER

PRIMARY CRUSHER

SIZING SCREEN

SECONDARY CRUSHER

BALL MILL

HYDROCYCLONES

FROTH FLOTATION

BATCH PROCESS FOR FLOCCULANT

THICKENERS

HEAP LEACHING

CARBON IN LEACH

ELUTION TANK

AUTOCLAVE LEACHING

FLASH TANK

ELECTROWINNING

SOLVENT EXTRACTION

TAILINGS DAM

SULFURIC ACID PLANT

STOCKPILE

COMPRESSED AIR SYSTEMS

COOLING WATER CIRCUIT

PLANTWEB INSIGHT™ APPS

RESOURCES

INSTRUCTIONS: Click on the products to learn more.

L₂



Rosemount™ 3408
Level Transmitter –
Non-Contacting Radar

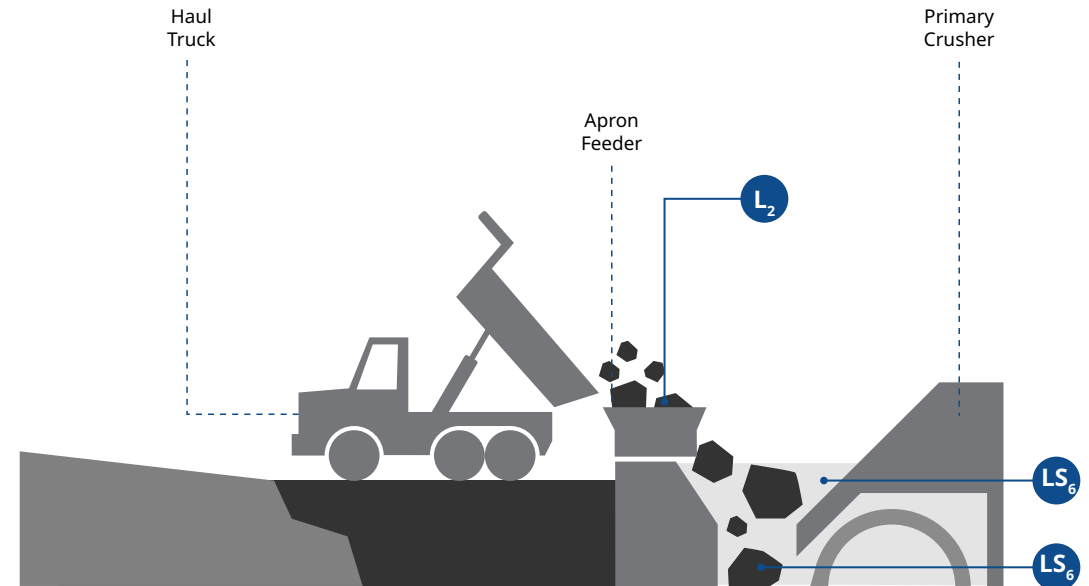
LS₆



Rosemount™ 2555
Solids Level Switch –
Capacitance Probe










Reference Plantweb Insight™
Applications Matrix

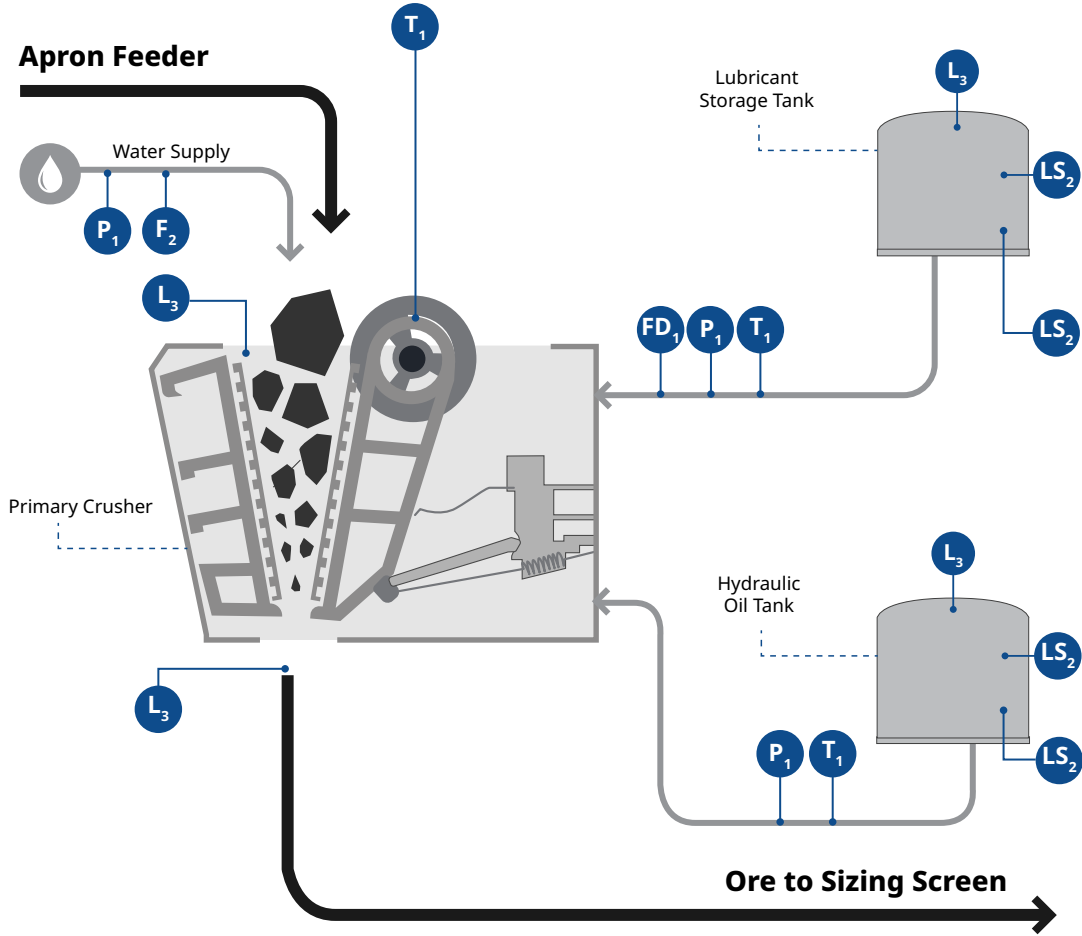


Primary Crusher

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES











- 
Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 
Rosemount™ 5408 Level Transmitter - Non-Contacting Radar
- 
Rosemount™ 2120 Level Switch - Vibrating Fork
- 
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
Reference Plantweb Insight™ Applications Matrix



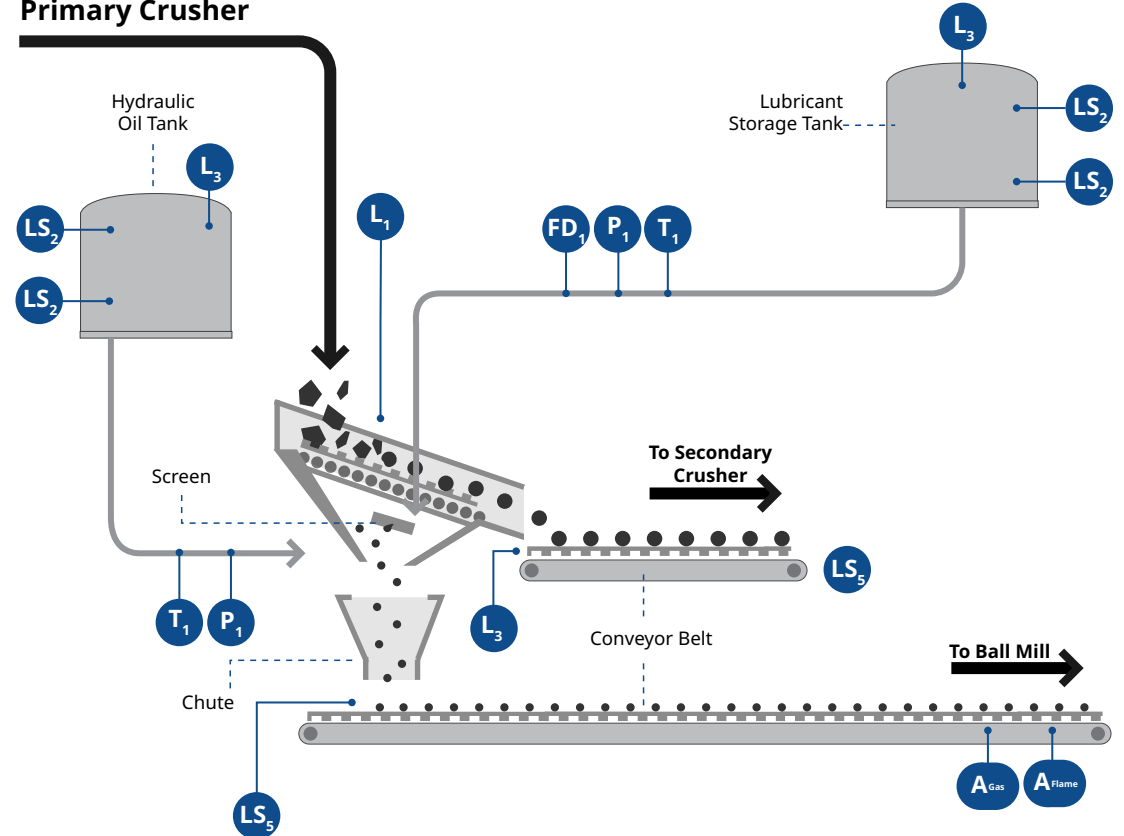
Sizing Screen

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

INSTRUCTIONS: Click on the products to learn more.

- 
FD₁ Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
L₁ Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 
L₃ Rosemount™ 5408 Level Transmitter - Non-Contacting Radar
- 
LS₂ Rosemount™ 2120 Level Switch - Vibrating Fork
- 
LS₅ Rosemount™ 2535 Solids Level Switch - Vibrating Rod
- 
P₁ Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
T₁ Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
A_{Gas} Rosemount™ 928 Wireless Gas Monitor
- 
A_{Flame} Rosemount™ 975MR Multi-Spectrum Infrared Flame Detector
- 
EMERSON PLANTWEB Insight™ Reference Plantweb Insight™ Applications Matrix







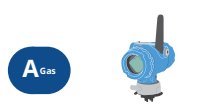




Feed From Primary Crusher

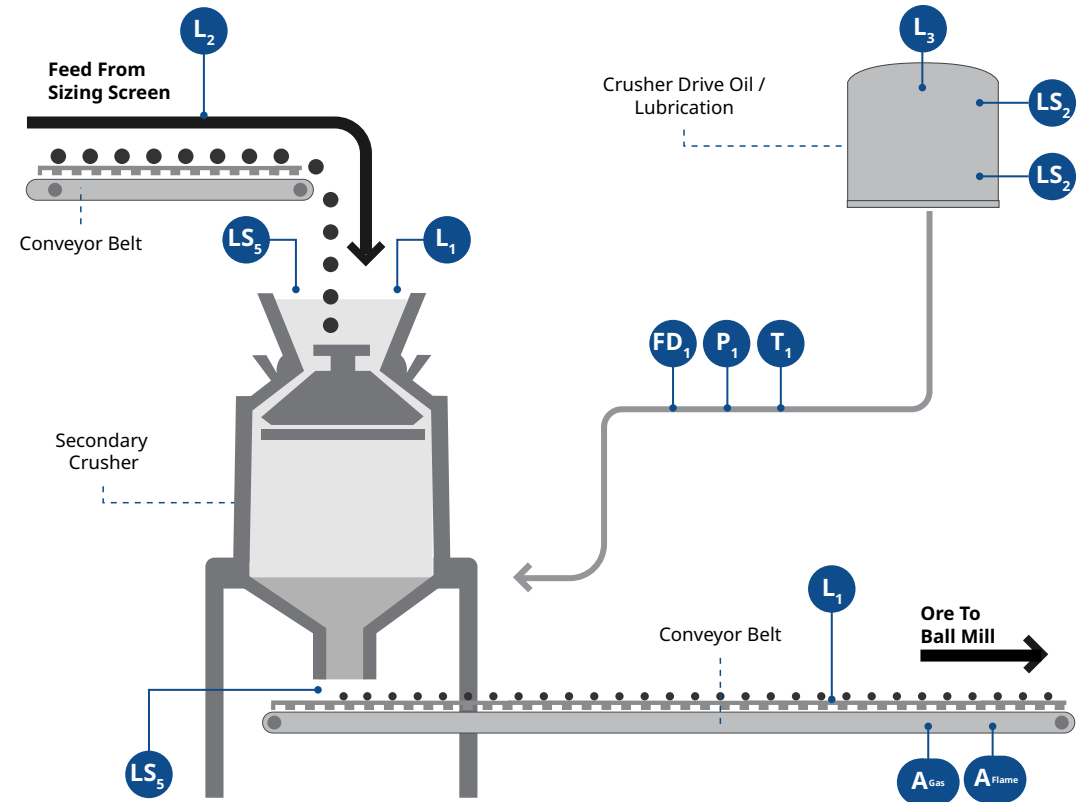


Secondary Crusher

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


- 
FD₁
Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
L₁
Rosemount™ 1208 Level and Flow Transmitter – Non-Contacting Radar
- 
L₂
Rosemount™ 3408 Level Transmitter – Non-Contacting Radar
- 
L₃
Rosemount™ 5408 Level Transmitter – Non-Contacting Radar
- 
LS₂
Rosemount™ 2120 Level Switch – Vibrating Fork
- 
LS₅
Rosemount™ 2535 Solids Level Switch – Vibrating Rod
- 
P₁
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
T₁
Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
A_{Gas}
Rosemount™ 928 Wireless Gas Monitor
- 
A_{Flame}
Rosemount™ 975MR Multi-Spectrum Infrared Flame Detector
- 
Reference Plantweb Insight™ Applications Matrix

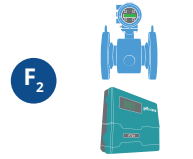



Ball Mill


- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


INSTRUCTIONS: Click on the products to learn more.


- 


FD₁ Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 


F₂ Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 


F₄ Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 


D₁ Micro Motion™ FDM Fork Density Meter
- 


L₁ Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 


L₂ Rosemount™ 3408 Level Transmitter - Non-Contacting Radar
- 


LS₂ Rosemount™ 2120 Level Switch - Vibrating Fork
- 

LS₄ Rosemount™ 2501 Solids Level Switch - Rotating Paddle
- 

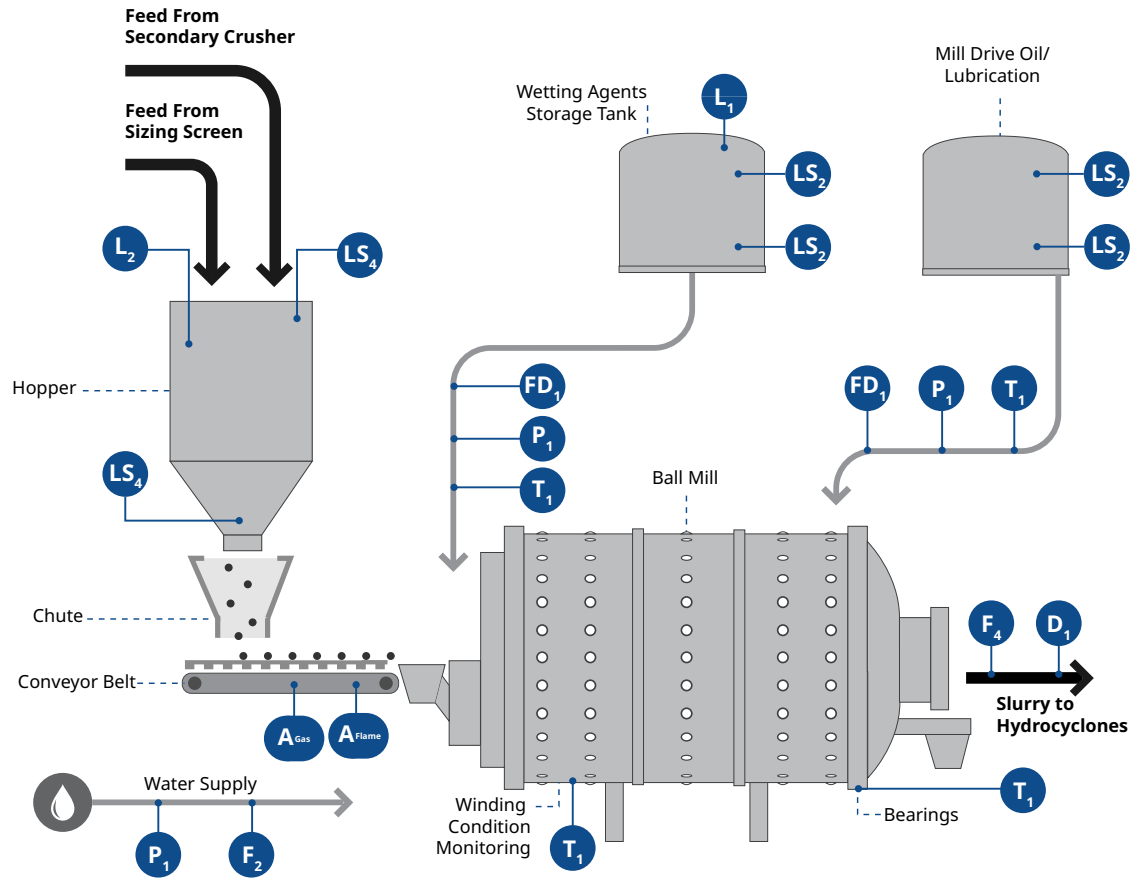
P₁ Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 

T₁ Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 

A_{Gas} Rosemount™ 928 Wireless Gas Monitor
- 

A_{Flame} Rosemount™ 975MR Multi-Spectrum Infrared Flame Detector
- 






Reference Plantweb Insight™ Applications Matrix

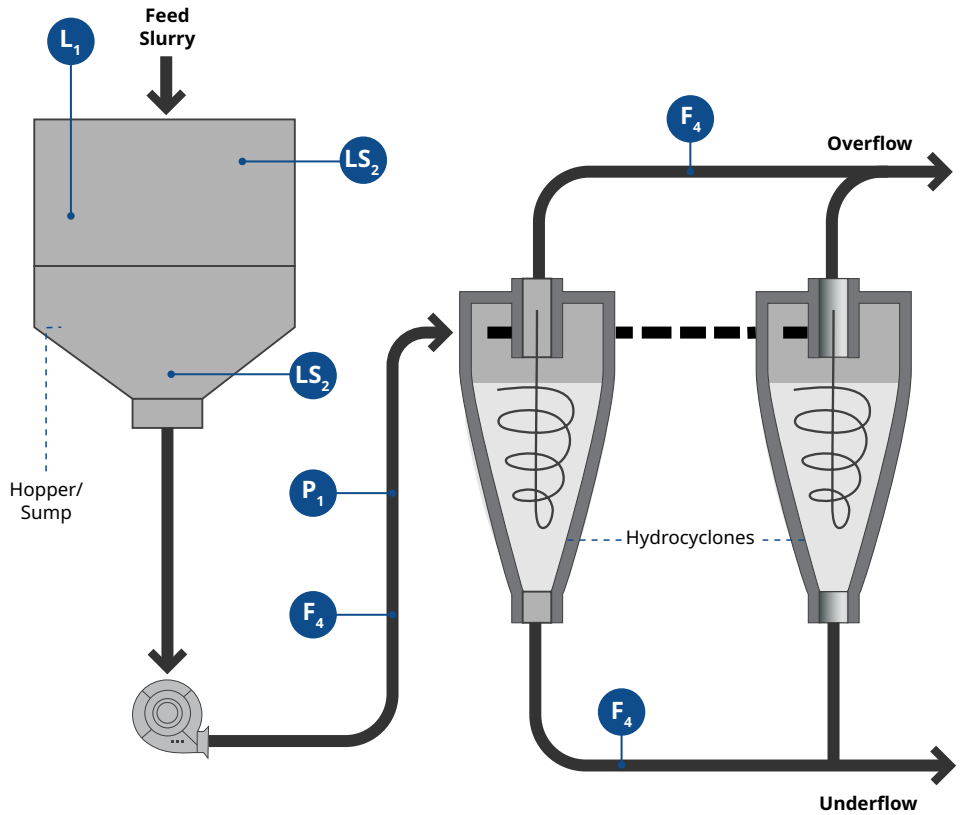


Hydrocyclones

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

INSTRUCTIONS: Click on the products to learn more.


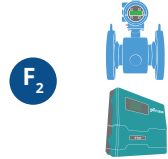









- F₄**  Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- L₁**  Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- LS₂**  Rosemount™ 2120 Level Switch - Vibrating Fork
- P₁**  Rosemount™ 2088 Gage and Absolute Pressure Transmitter
-  Reference Plantweb Insight™ Applications Matrix

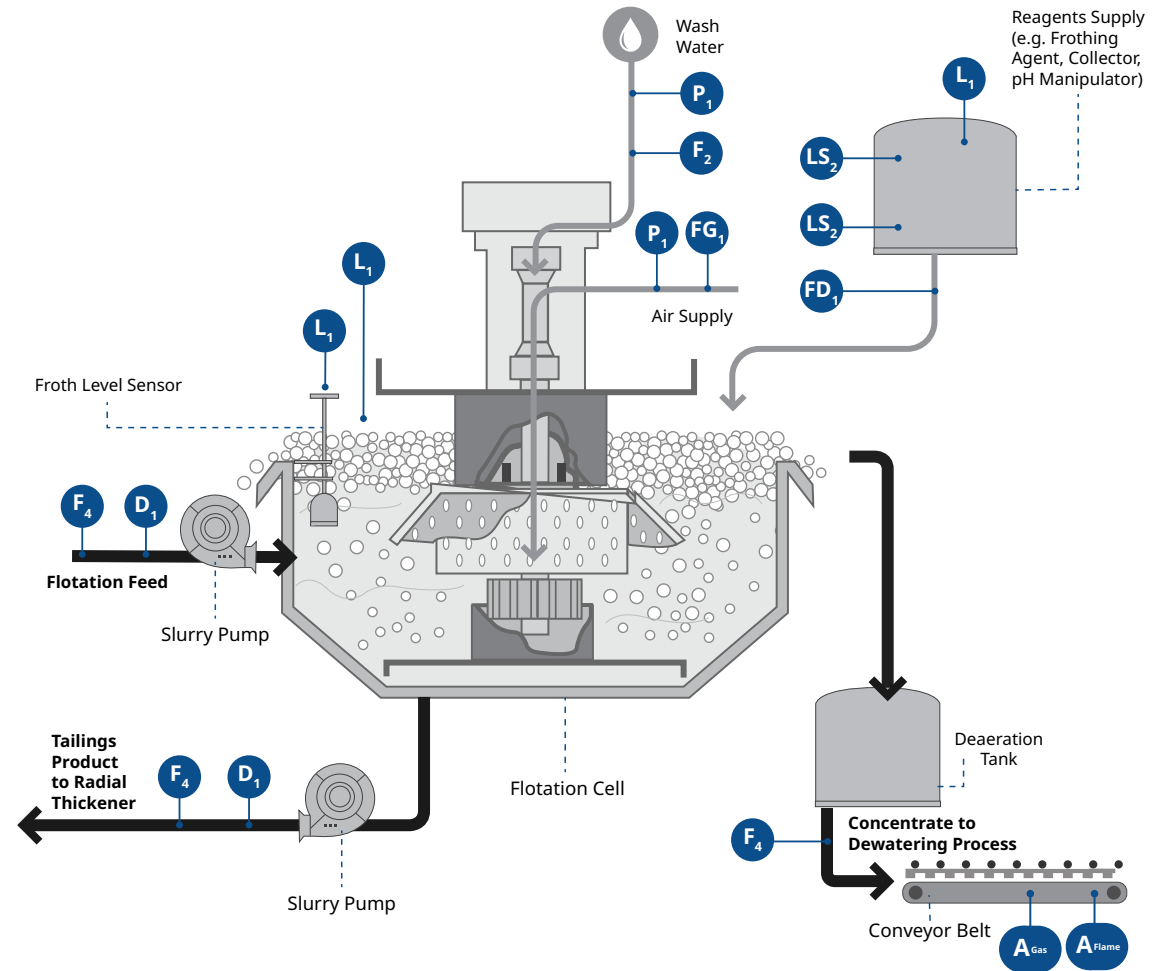


Froth Flotation

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


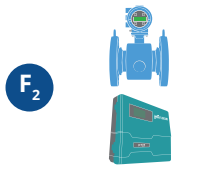






- 
Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 
Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 
Rosemount™ 1208 Level and Flow Transmitter – Non-Contacting Radar
- 
Rosemount™ 2120 Level Switch – Vibrating Fork
- 
Micro Motion™ FDM Fork Density Meter
- 
Rosemount™ 8600 Utility Vortex Flow Meters or Flexim FLUXUS® CA532
- 
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion – Proof Transmitter
- 
Rosemount™ 928 Wireless Gas Monitor
- 
Rosemount™ 975MR Multi-Spectrum Infrared Flame Detector

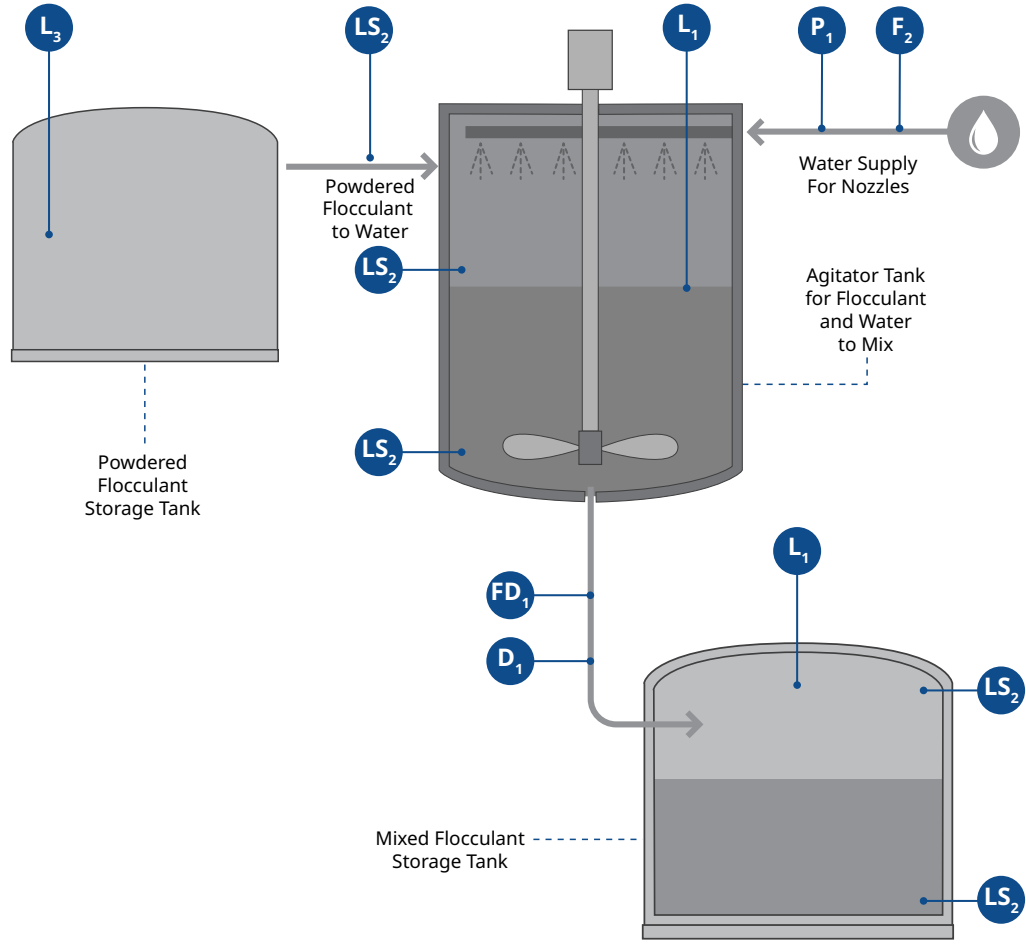


Batch Process for Flocculant

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


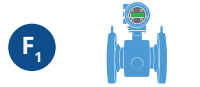
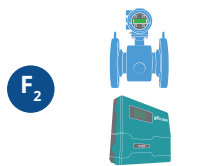

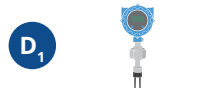





- 
FD₁
Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
F₂
Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 
D₁
Micro Motion™ FDM Fork Density Meter
- 
L₁
Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 
L₃
Rosemount™ 5408 Level Transmitter - Non-Contacting Radar
- 
LS₂
Rosemount™ 2120 Level Switch - Vibrating Fork
- 
P₁
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Reference Plantweb Insight™ Applications Matrix

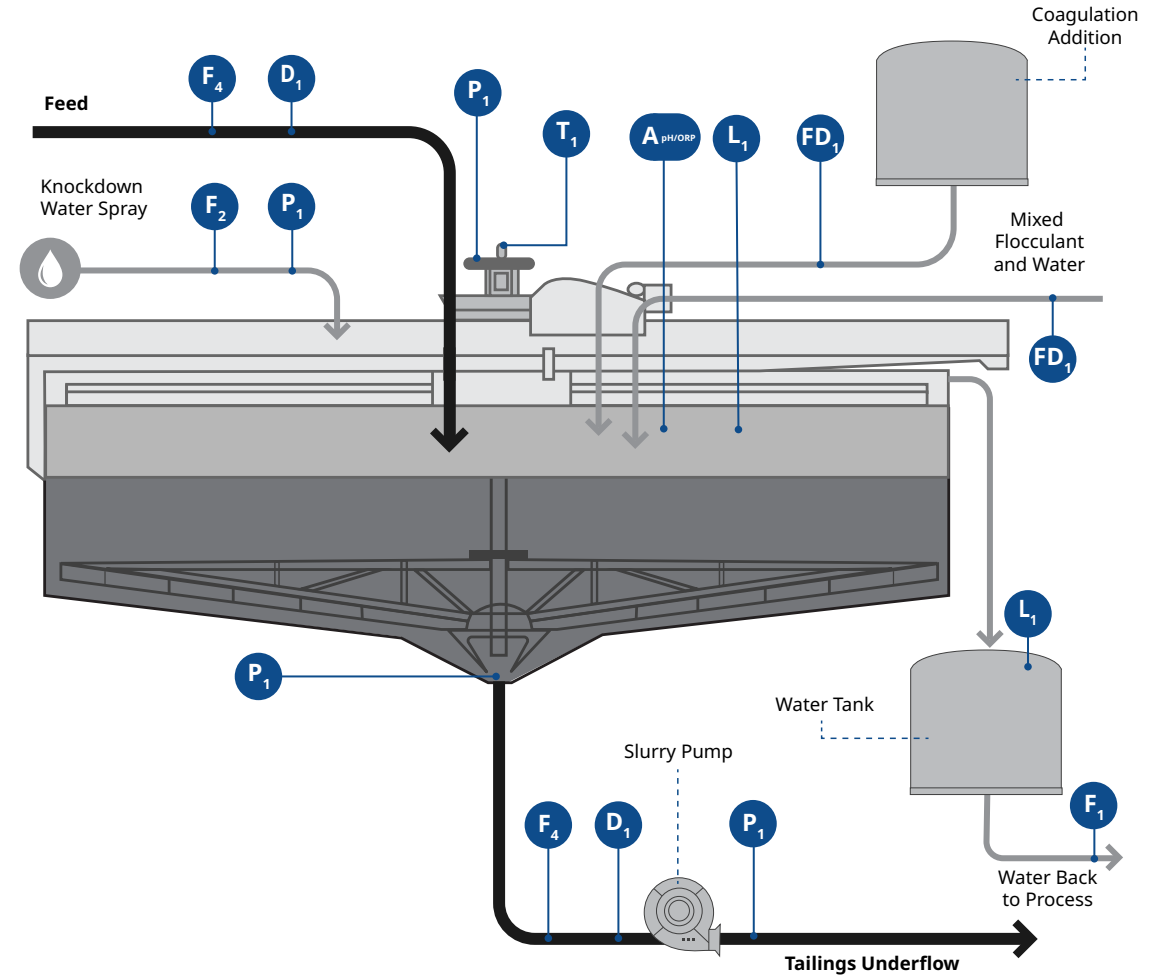


Thickeners

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


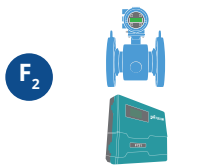






- 
FD₁
Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
F₁
Rosemount™ 8705 Flanged Magnetic Flow Meter Sensor
- 
F₂
Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 
F₄
Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 
D₁
Micro Motion™ FDM Fork Density Meter
- 
L₁
Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 
P₁
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
T₁
Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
A_{pH/ORP}
Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion-Proof Transmitter
- 
Reference Plantweb Insight™ Applications Matrix

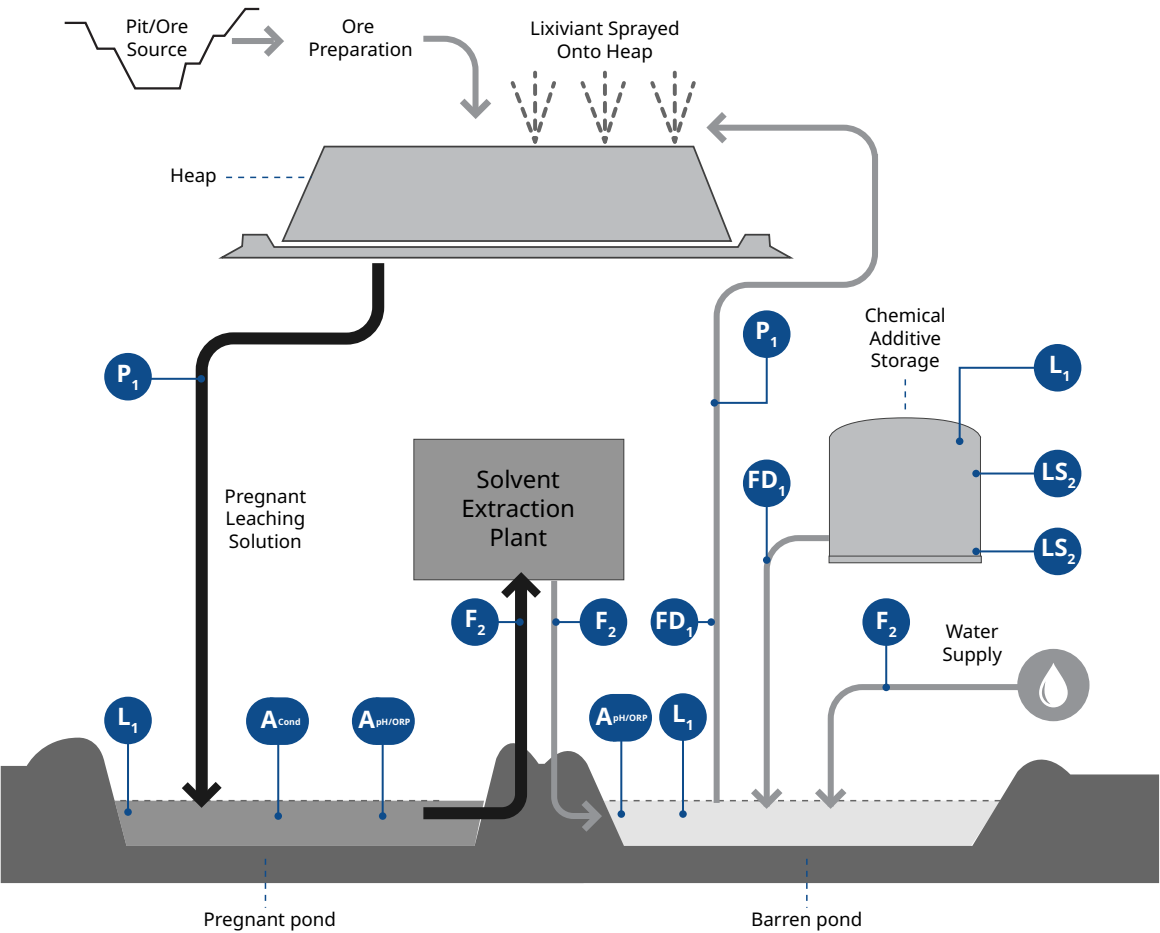


Heap Leaching

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES











- 
Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 
Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 
Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 
Rosemount™ 2120 Level Switch - LS Vibrating Fork
- 
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion-Proof Transmitter
- 
Rosemount™ 228 Toroidal Conductivity Sensor
- 
Reference Plantweb Insight™ Applications Matrix

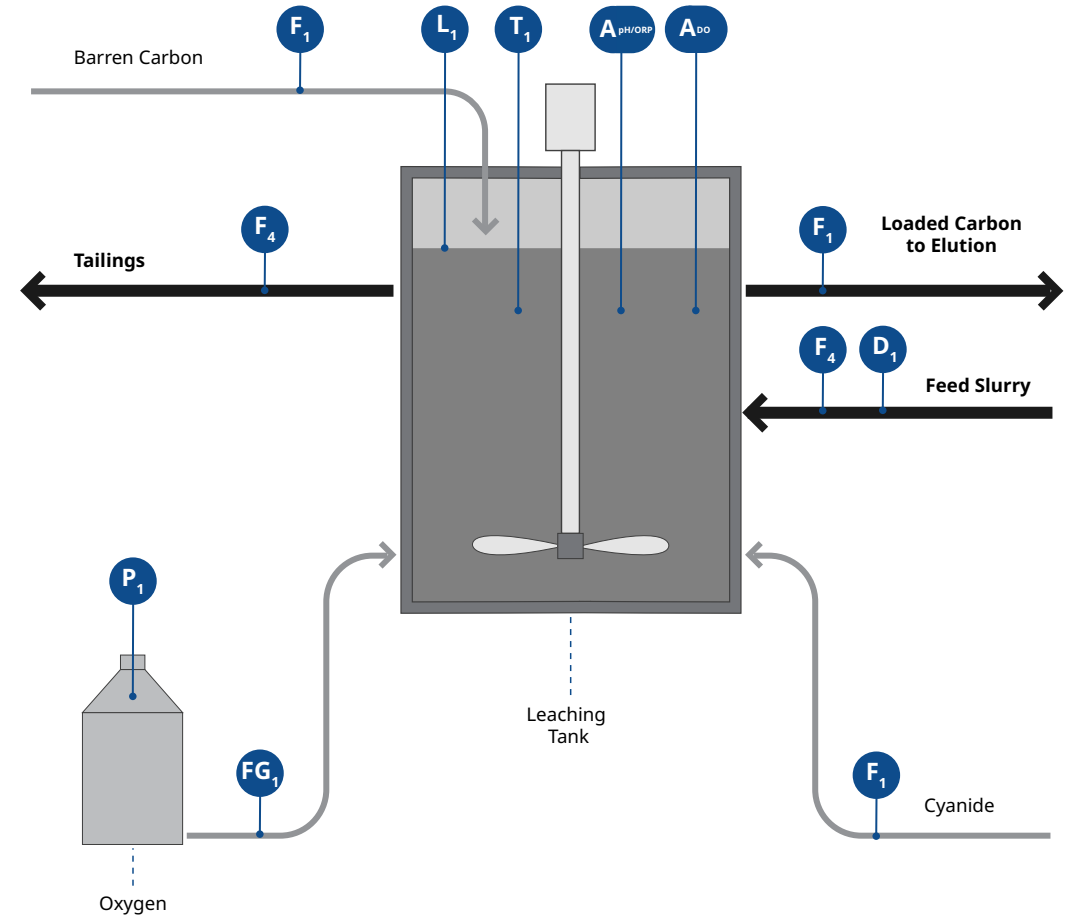


Carbon in Leach

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES



- 
Rosemount™ 8705 Flanged Magnetic Flow Meter Sensor
- 
Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 
Rosemount™ 8600 Utility Vortex Flow Meters or Flexim FLUXUS® CA532
- 
Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 
Micro Motion™ FDM Fork Density Meter
- 
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion-Proof Transmitter
- 
Rosemount™ 499ADO Dissolved Oxygen Sensor
- 
Reference Plantweb Insight™ Applications Matrix







Elution Tank



INSTRUCTIONS: Click on the products to learn more.



- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES



- 




Rosemount™ 8705 Flanged Magnetic Flow Meter Sensor
- 



Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 


Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 


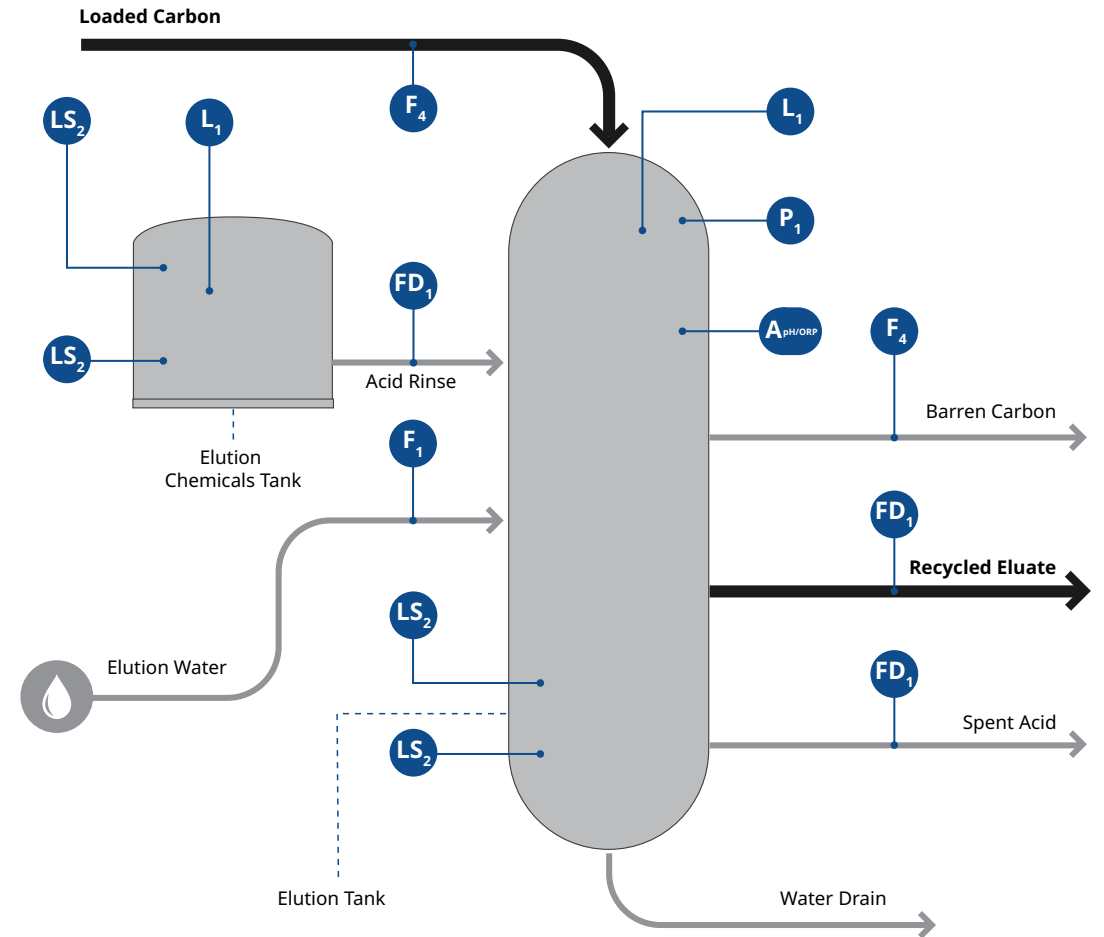
Rosemount™ 2120 Level Switch - Vibrating Fork
- 


Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 


Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 









Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion-Proof Transmitter
- 

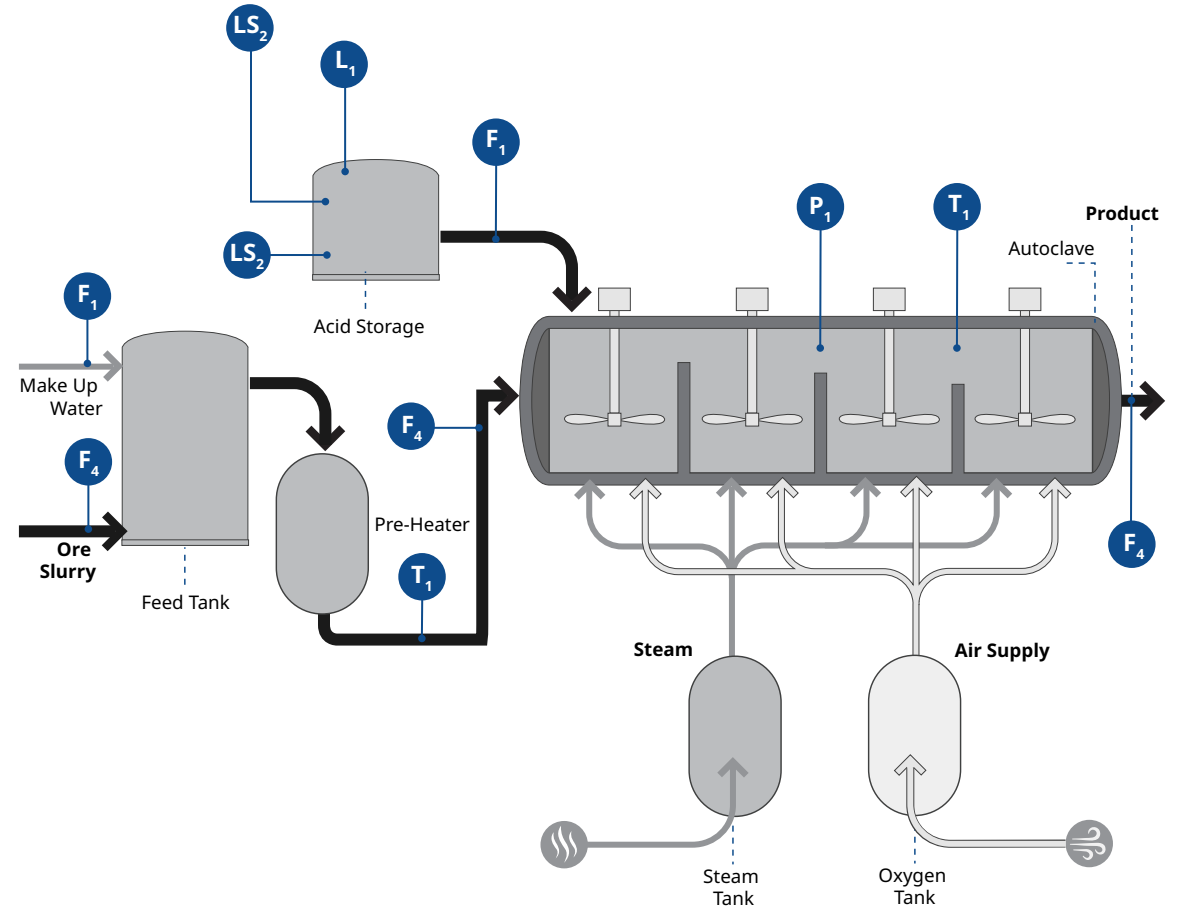
Reference Plantweb Insight™ Applications Matrix



Autoclave Leaching

INSTRUCTIONS: Click on the products to learn more.

- F₁

Rosemount™ 8705 Flanged Magnetic Flow Meter Sensor
- F₄

Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- LS₂

Rosemount™ 2120 Level Switch - Vibrating Fork
- L₁

Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- P₁

Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- T₁

Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
Reference Plantweb Insight™ Applications Matrix







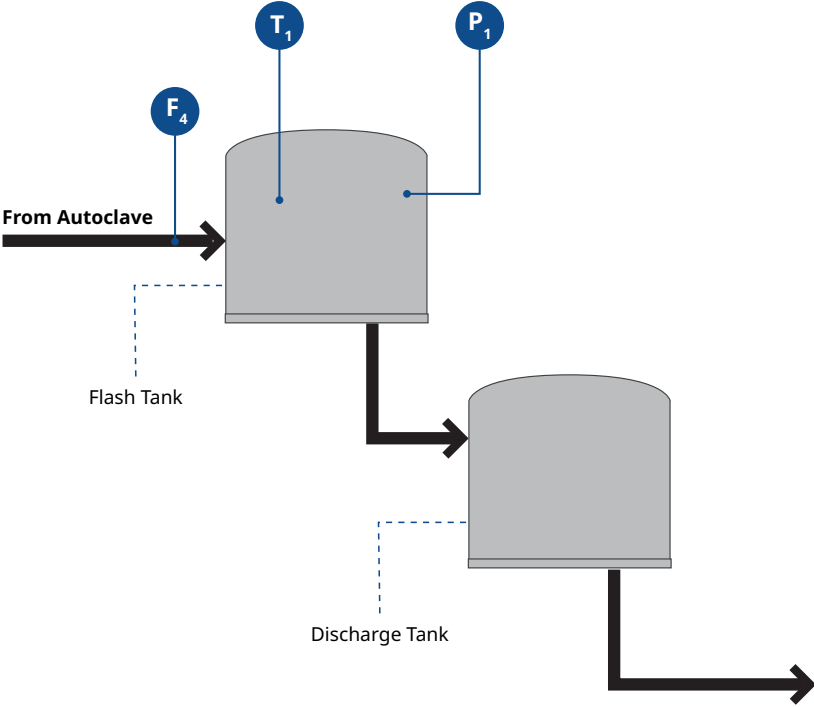
- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

Flash Tank

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES










-  **F₄** Rosemount™ MS Magnetic Flow Meter for Slurry Applications
-  **P₁** Rosemount™ 2088 Gage and Absolute Pressure Transmitter
-  **T₁** Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
-  Reference Plantweb Insight™ Applications Matrix

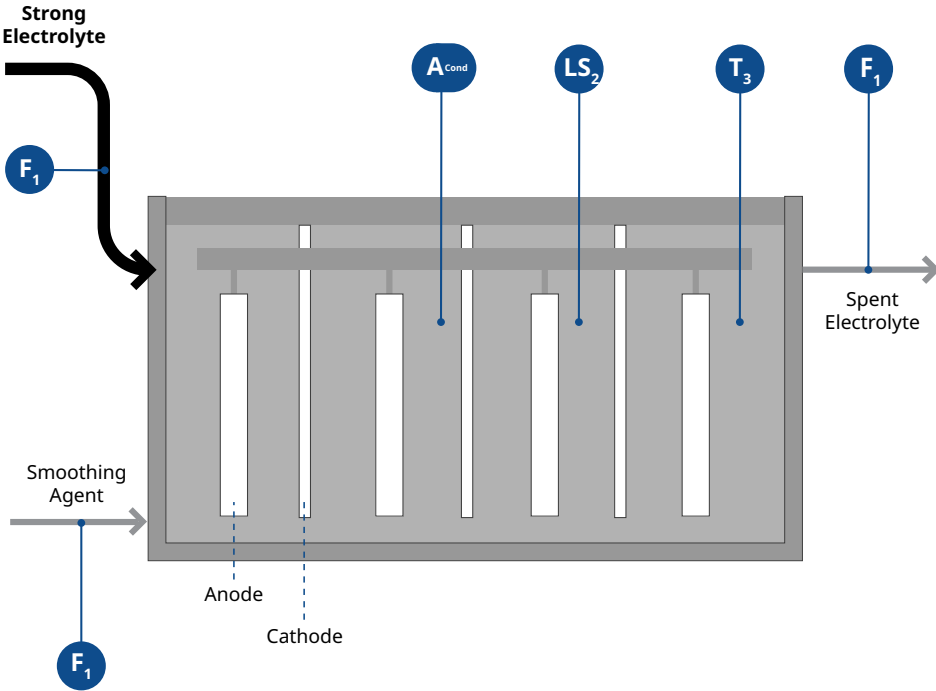


Electrowinning

INSTRUCTIONS: Click on the products to learn more.

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

-   Rosemount™ 8705 Flanged Magnetic Flow Meter Sensor
-   Rosemount™ 2120 Level Switch – LS Vibrating Fork
-   Rosemount™ 848T Temperature Transmitter
-   Rosemount™ 228 Toroidal Conductivity Sensor
-  Reference Plantweb Insight™ Applications Matrix



Solvent Extraction

INSTRUCTIONS: Click on the products to learn more.

OVERVIEW

UNDERGROUND

CRUSHER HOPPER

PRIMARY CRUSHER

SIZING SCREEN

SECONDARY CRUSHER

BALL MILL

HYDROCYCLONES

FROTH FLOTATION

BATCH PROCESS FOR FLOCCULANT

THICKENERS

HEAP LEACHING

CARBON IN LEACH

ELUTION TANK

AUTOCLAVE LEACHING

FLASH TANK

ELECTROWINNING

SOLVENT EXTRACTION

TAILINGS DAM

SULFURIC ACID PLANT












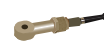

STOCKPILE

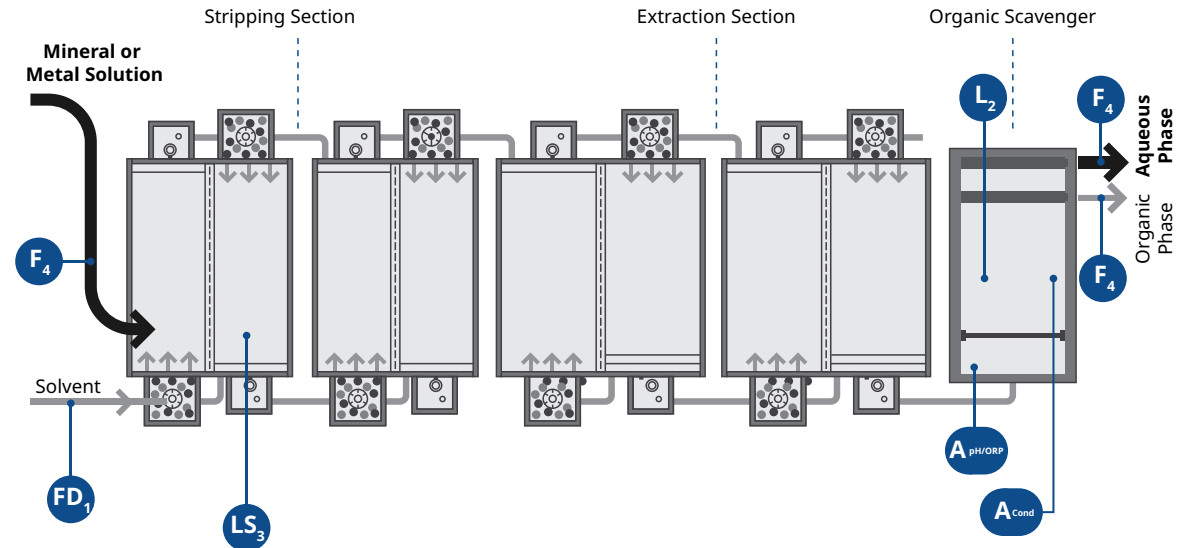
COMPRESSED AIR SYSTEMS

COOLING WATER CIRCUIT

PLANTWEB INSIGHT™ APPS

RESOURCES



- 

Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 

Micro Motion™ F-Series Coriolis Flow Meter with Transmitter
- 

Rosemount™ 2130 Level Switch - Vibrating Fork
- 

Rosemount™ 3408 Level Transmitter - Non-Contacting Radar
- 

Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion-Proof Transmitter
- 

Rosemount™ 228 Toroidal Conductivity Sensor
- 
Reference Plantweb Insight™ Applications Matrix







Tailings Dam



INSTRUCTIONS: Click on the products to learn more.



- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES


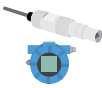
- 




Rosemount™ MS Magnetic Flow Meter for Slurry Applications
- 



Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 


Rosemount™ 1208 Level and Flow Transmitter – Non-Contacting Radar
- 


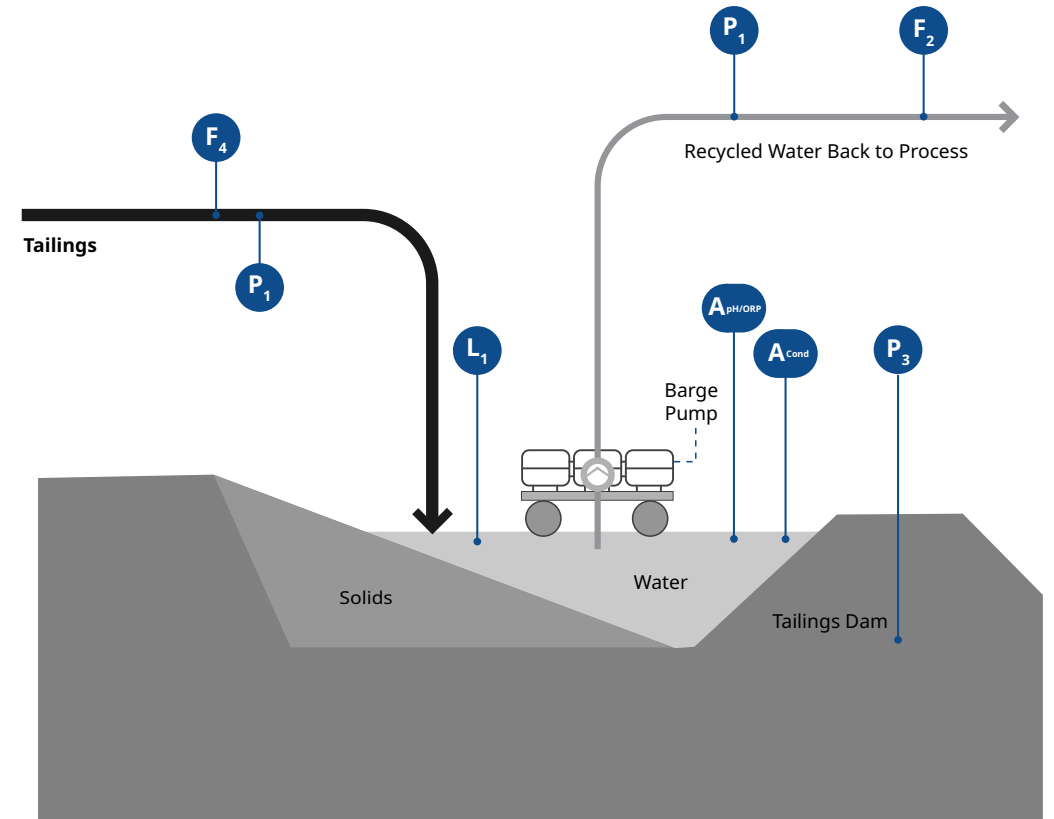
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 


Rosemount™ 3051S Wireless Submersible Level Transmitter
- 


Rosemount™ 396P pH/ORP Sensor with Rosemount™ 5081 Explosion-Proof Transmitter
- 




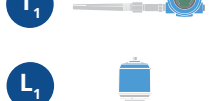
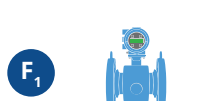





Rosemount™ 228 Toroidal Conductivity Sensor
- 

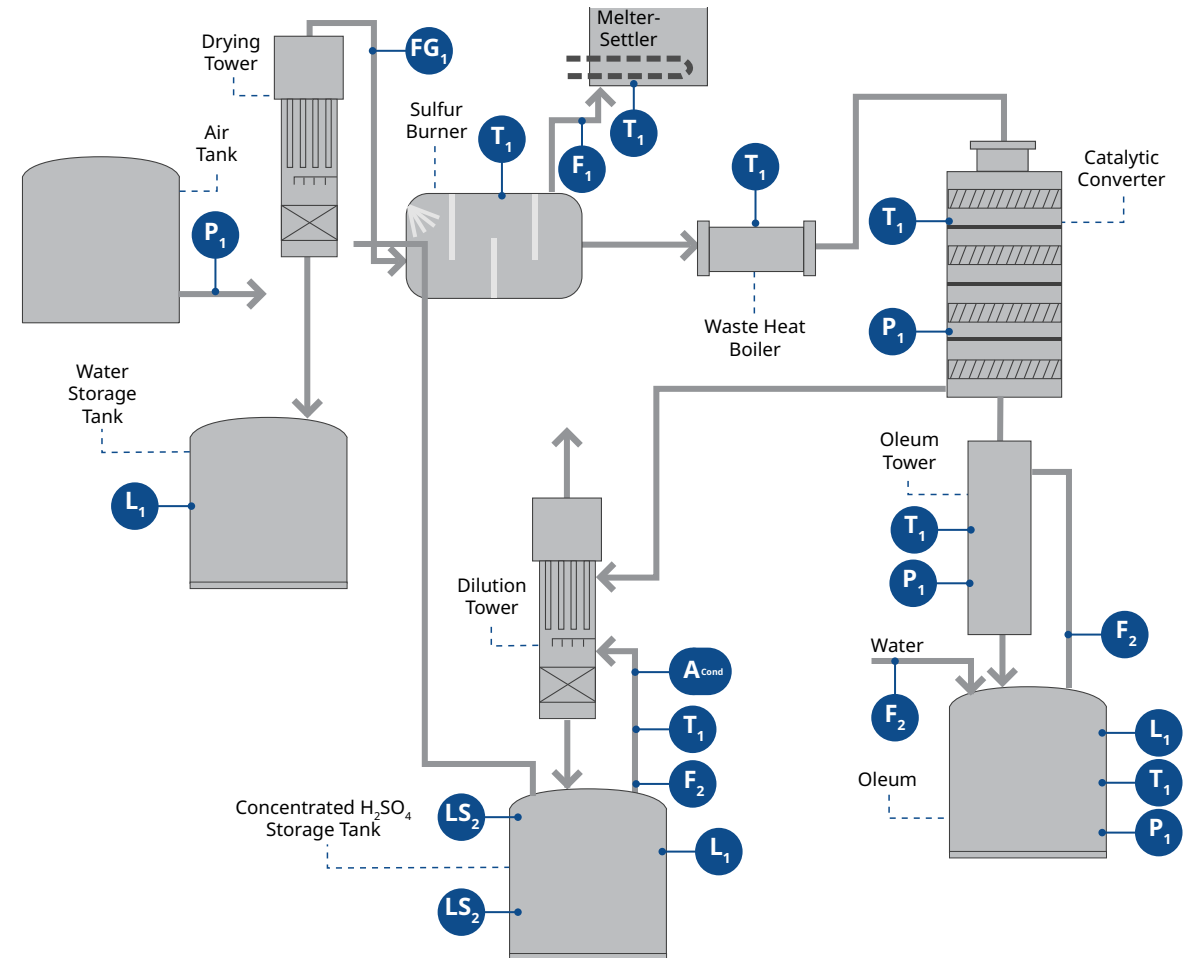
Reference Plantweb Insight™ Applications Matrix



Sulfuric Acid Plant

INSTRUCTIONS: Click on the products to learn more.

- 
Rosemount™ 8600 Utility Vortex Flow Meters or Flexim FLUXUS® CA532
- 
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
Rosemount™ 1208 Level and Flow Transmitter - Non-Contacting Radar
- 
Rosemount™ 8705 Flanged Magnetic Flow Meter Sensor
- 
Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter
- 
Rosemount™ 228 Toroidal Conductivity Sensor
- 
Rosemount™ 2120 Level Switch - LS Vibrating Fork
- 
Reference Plantweb Insight™ Applications Matrix



- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

Stockpile

OVERVIEW

UNDERGROUND

CRUSHER HOPPER

PRIMARY CRUSHER

SIZING SCREEN

SECONDARY CRUSHER

BALL MILL

HYDROCYCLONES

FROTH FLOTATION

BATCH PROCESS FOR FLOCCULANT

THICKENERS

HEAP LEACHING

CARBON IN LEACH

ELUTION TANK

AUTOCLAVE LEACHING

FLASH TANK

ELECTROWINNING

SOLVENT EXTRACTION

TAILINGS DAM

SULFURIC ACID PLANT

STOCKPILE

COMPRESSED AIR SYSTEMS

COOLING WATER CIRCUIT

PLANTWEB INSIGHT™ APPS

RESOURCES

L₃



Rosemount™ 5408
Level Transmitter -
Non-Contacting Radar

LS₅



Rosemount™ 2535
Solids Level Switch -
Vibrating Rod

A_{Gas}



Rosemount™ 928
Wireless Gas Monitor

A_{Flame}

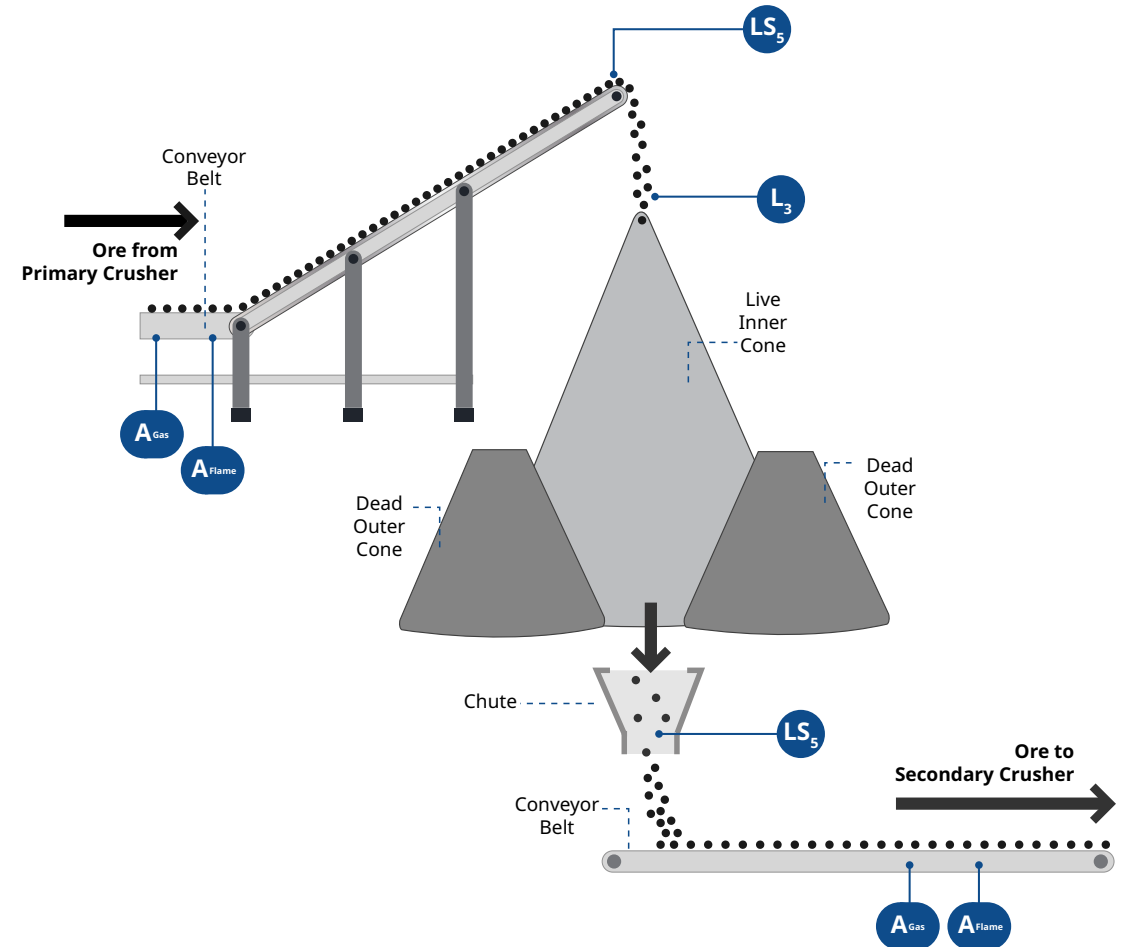


Rosemount™ 975MR
Multi-Spectrum Infrared
Flame Detector



Reference Plantweb Insight™
Applications Matrix





INSTRUCTIONS: Click on the products to learn more.

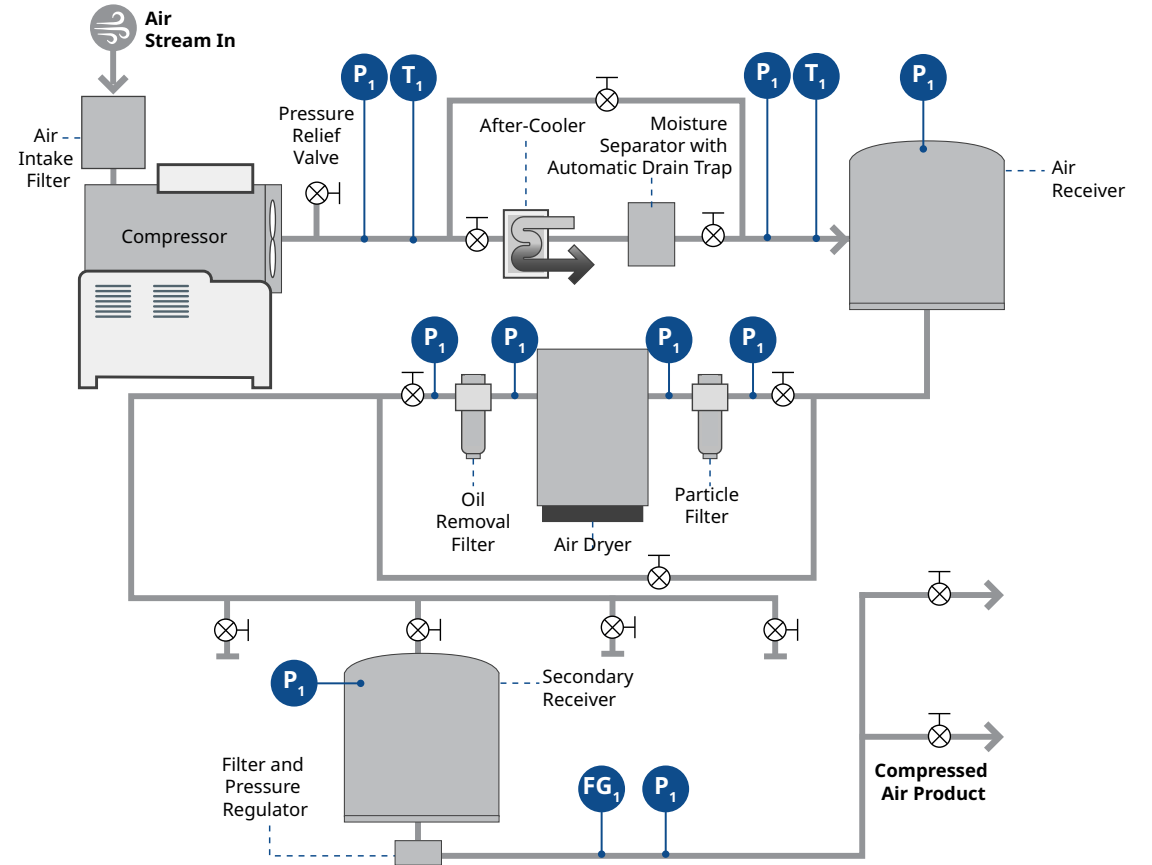


Compressed Air Systems

- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

INSTRUCTIONS: Click on the products to learn more.


- 
Rosemount™ 8600 Utility Vortex Flow Meters or Flexim FLUXUS® CA532
- 
Rosemount™ 2088 Gage and Absolute Pressure Transmitter
- 
Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter
- 
Reference Plantweb Insight™ Applications Matrix





Cooling Water Circuit


INSTRUCTIONS: Click on the products to learn more.

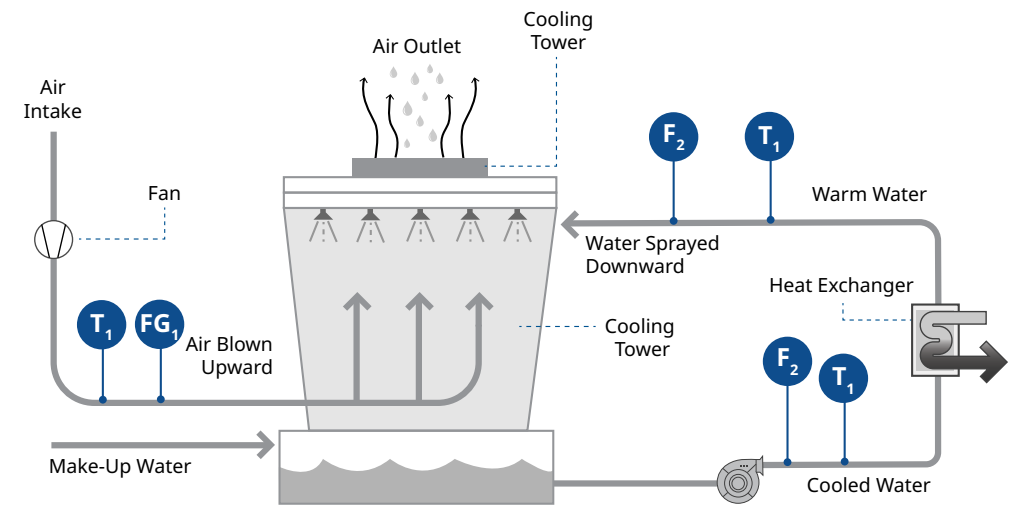
- OVERVIEW
- UNDERGROUND
- CRUSHER HOPPER
- PRIMARY CRUSHER
- SIZING SCREEN
- SECONDARY CRUSHER
- BALL MILL
- HYDROCYCLONES
- FROTH FLOTATION
- BATCH PROCESS FOR FLOCCULANT
- THICKENERS
- HEAP LEACHING
- CARBON IN LEACH
- ELUTION TANK
- AUTOCLAVE LEACHING
- FLASH TANK
- ELECTROWINNING
- SOLVENT EXTRACTION
- TAILINGS DAM
- SULFURIC ACID PLANT
- STOCKPILE
- COMPRESSED AIR SYSTEMS
- COOLING WATER CIRCUIT
- PLANTWEB INSIGHT™ APPS
- RESOURCES

F₂  Rosemount™ 8750W Magnetic Flow Meters for Utility Water Applications or Flexim FLUXUS® F721 Ultrasonic Flow Meter

FG₁  Rosemount™ 8600 Utility Vortex Flow Meters or Flexim FLUXUS® CA532

T₁  Rosemount™ 214C RTD Temperature Sensor and 644 Temperature Transmitter

 Reference Plantweb Insight™ Applications Matrix



Plantweb Insight™ Applications for Mining

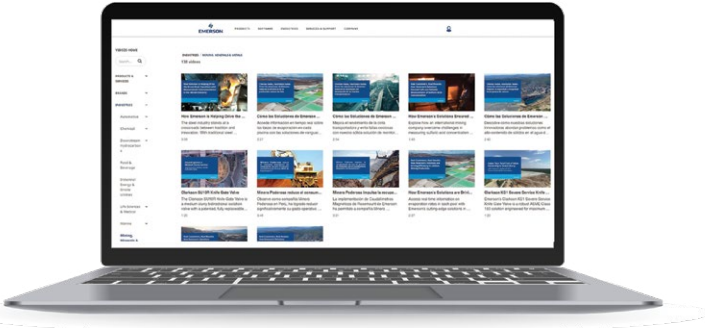


	COOLING TOWER	HEAT EXCHANGER	PUMP	AIR COOLED HEAT EXCHANGER	WIRELESS PRESSURE GAUGE	INLINE CORROSION	NETWORK MANAGEMENT	NON-INTRUSIVE CORROSION	PRESSURE RELIEF VALVE	POWER MODULE
Overview										
Underground Mine			●	●	●		●			●
Crusher Hopper							●			●
Primary Crusher							●			●
Sizing Screen					●		●			●
Secondary Crusher							●			●
Ball Mill			●		●		●			●
Froth Flotation			●	●	●		●			●
Radial Thickener			●		●		●			●
Flocculant			●		●		●			●
Carbon in Leach			●		●		●			●
Elution Tank					●		●			●
Autoclave Leaching		●			●		●			●
Flash Tanks					●		●			●
Solvent Extraction		●	●		●		●			●
Electrowinning		●			●		●			●
Hydrocyclones			●		●		●			●
Tailings Dam			●		●		●			●
Sulphuric Acid			●		●	●	●	●		●
Stockpile							●			●
Compressed Air System					●		●		●	●
Cooling Water Circuit	●		●	●	●		●		●	●

Emerson is Your Ultimate Partner in Reliable Mining Solutions

In conclusion, adopting Emerson’s state-of-the-art solutions is a pathway to achieving excellence in mining operations. Prioritizing safety, our technologies help you to eliminate risks and ensure the utmost protection for your workforce, establishing a safer, more resilient work environment. With smarter decision-making powered by data-driven insights, you’re equipped for optimal productivity and reduced operational disruptions. Moreover, Emerson’s commitment to sustainability is evident in every innovation, supporting your journey toward more eco-conscious mining. By choosing Emerson, you’re not just optimizing your operations— you’re building a legacy of safety, efficiency, and environmental stewardship.

TOGETHER, LET’S SET NEW STANDARDS FOR THE MINING INDUSTRY.



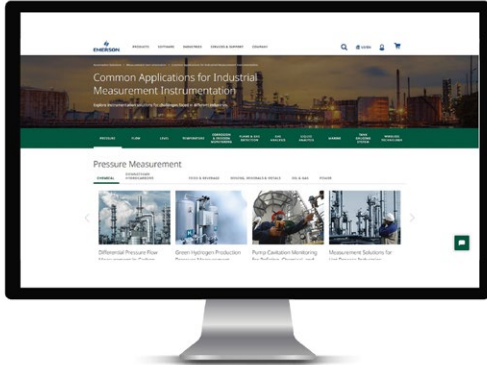
WATCH VIDEOS

Witness the effectiveness of measurement instrumentation solutions through our ‘Real Customers, Real Results’ videos.



FREE EBOOK

Discover the power of measurement instrumentation for mining excellence.



COMMON APPLICATIONS

Explore measurement instrumentation solutions for challenges faced in different industries.