Mining Leaching Skid

Aquestia
Directing the Flow

Mining

Air & Fluid Flow Control Unit

Description

The Instrumentation & Control Leaching Skid is a portable self-contained unit, designed to be installed at each leaching module entrance to provide precise leaching rate control in the module, as well as the monitoring of the pressure/flow parameters during the leaching process. The Mining Leaching Skid helps increase ore recovery in the heap; optimizing the overall leaching process and maximizing unit production

Installation

- Copper & Gold mines
- At module level of heap leaching applications

Features and Benefits

Self-contained unit	Quick and simple in-the-field installation
Strong, durable and light-weight frame, with built-in abrasion protection	Provides protection for internal components and is resilient to the toughest mining environments
Built-in Filter Screen	Protects the Control Valve - the most important component on the skid
Unique "flushing" feature	For easy maintenance on the filter screen, without removing it from the system
Accessibility	Convenient and portable, no need for specialized tools
Stackable	Allows for efficient use of space
Custom configurations	Tailor made solutions for different needs

Mining Leaching Skid

Aquestia
Directing the Flow

Technical Specifications

Size Range	4" - 6"
Working Pressure	Copper mining PN6/90psi Gold mining PN10 150psi
Testing pressure	1.5 times maximum working pressure
Fluid Temperature	Raffinate solution up to 43° C / 110F Barren cyanide solution up to 38° C / 100F
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid	

Selection Options

Air Valve Models	A.R.I. D-040 L
Hydrolic Control Valave	DOROT S-75 PR
End connection	Flanges ANSI 150RF / ISO PN10/16
Configurations	Standard: One fixed leach-rate control Optional: Two fixed leach-rate controls / Variable leach-rate control

A.R.I. D-040 L
Combination Air Valve
Long-type - Air Gap Extender

½"/15mm - 2"/50mm
Threaded/ Flanged

Body: Polypropylene
Elastomers: EPDM (standard), Viton (optional)

DOROT S75 PR
Rate of Flow / Pressure Control Valve

4"/100mm -6"/150mm
Threaded / Flanged

Body: Nylon (standard), Polypropylene (optional)
Internals: Stainless Steel, Hastelloy (optional)
Elastomers: EPDM (standard), Viton (optional)

Mining Leaching Skid

Aquestia
Directing the Flow

Dimensions and Weight

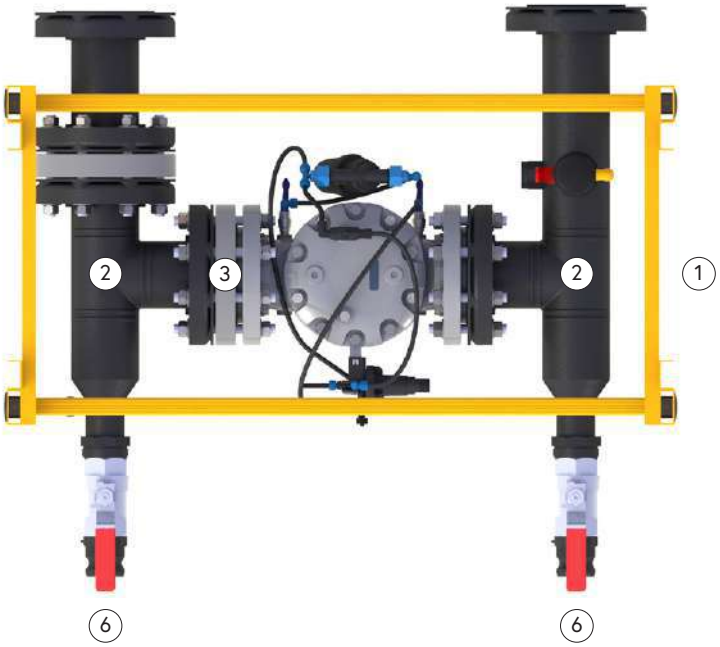
Size	Dimensions (mm/inch)			Weight (kg/Lbs)
	L	W	H	
4" (100mm)	1082 / 42.6	926 / 34.5	701 / 27.6	20/44
6" (150mm)	1082 / 42.6	926 / 34.5	701 / 27.6	25/55

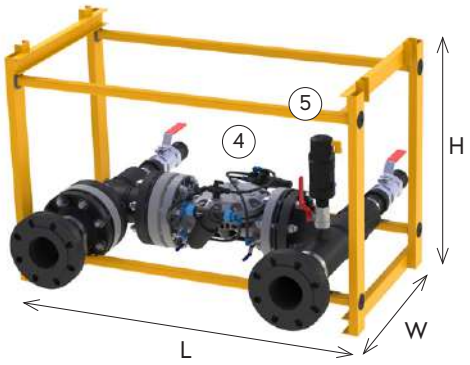
NOTE

All product weights and dimensions are approximate, due to the differences in flange standards, materials and variable accessories.

Parts List and Specification

No.	Part	Material
1	Frame	Glass Fiber Reinforced Polymer
2	Manifolds	Polypropylene
3	Strainer	Polypropylene + Stainless Steel 316
4	Hydraulic Control Valve DOROT S-75	Polypropylene + Stainless Steel 316
5	Air Release Valve A.R.I. D-040L 1"	Polypropylene + Viton
6	Ball Valve	Stainless Steel 316





Mining Leaching Skid

Aquestia
Directing the Flow

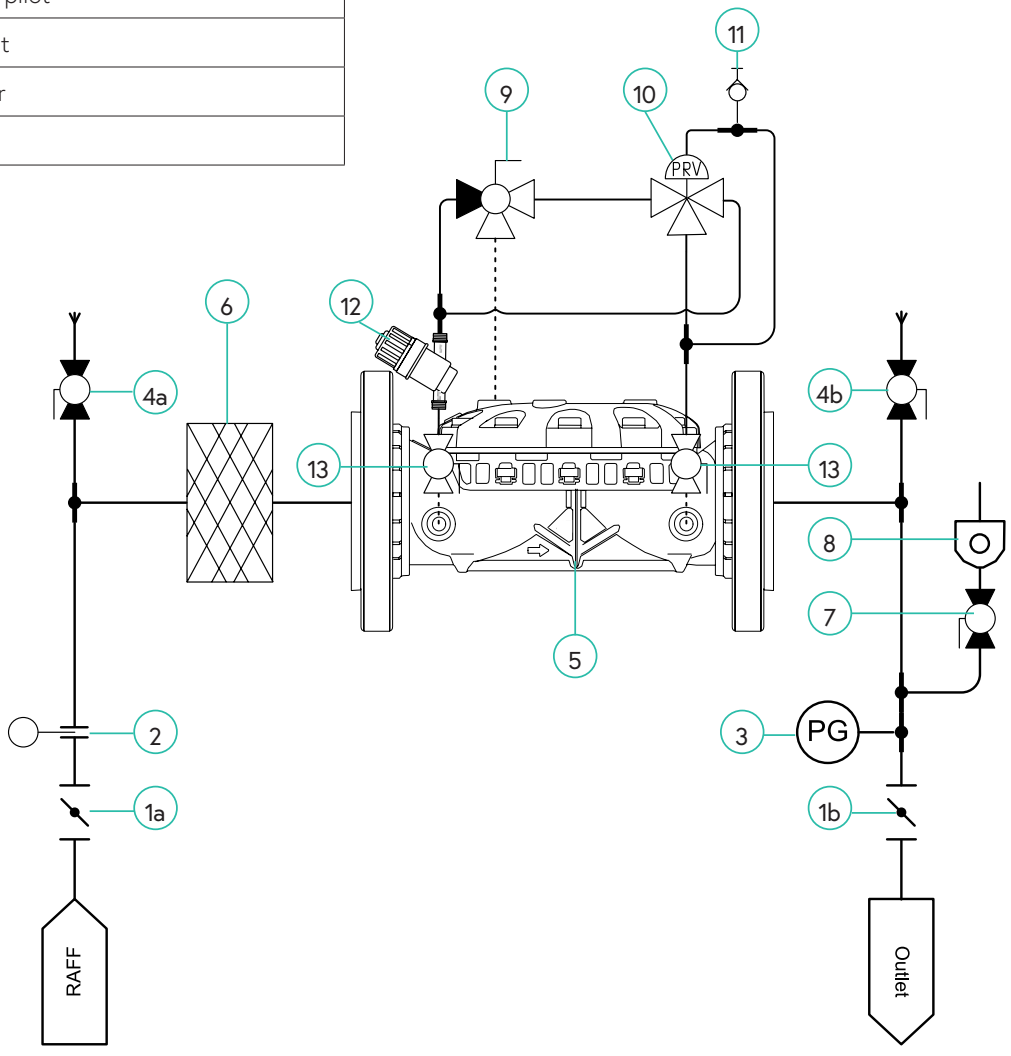
Skid P&ID

Included in scope of supply

No.	Part
4a	Outlet backflush 2" – Camlock male connection
4b	Inlet backflush 2" – Camlock male connection
5	Flowrate valve 4"
6	Filter screen 4"
7	Ball valve 1"
8	Air release valve 1"
9	L-type valve
10	Pressure reducing pilot
11	Pressure test point
12	Large control filter
13	Ball valve

Not Included in scope of supply

No.	Part
1a	Inlet butterfly valve 4"
1b	Outlet butterfly valve 4"
2	Orifice Flowmeter 4" – ANSI flanges connection
3	Pressure gauge 1" – 1" NPT female connection



www.aquestia.com
info@aquestia.com