
	GILES CHEMICAL ~ PREMIER MAGNESIA		
	Company Form		
	Title: Filter Press Start Up	Number: G18-PR-200-003	
	Owner: Joe Phillips	Revision: 00	
	Effective Date: 02/28/18	Page: 1 of 2	

1.0 Purpose

This procedure is intended to be a step by step instructional guide to starting up the filter press.

2.0 Scope

This procedure applies to the following equipment:

- Filter Press
- Brine Pump
- Mud Pump

3.0 Responsibility

Lead Operator, Material Handler, Assistant Operator

4.0 Safety Considerations

Safety glasses and steel-toed shoes.

Safety is a condition of employment. Employees are not authorized to work in an unsafe manner and are prohibited from harming the environment of the facility or community.

5.0 Materials/Equipment

The following equipment will be required before starting up the filter press



- A 50lb bag of Filter Flow
- Hydrometer
- Graduated cylinder

6.0 Procedure

- 1) Close Filter press. Press plates should be lined up and in line with the inlet/outlet valves on press frame. Leave the switch in the close position, the press will regulate its own internal pressure.
- 2) Hook up a line from the water supply valve to the filter press outlet valve.
- 3) Hook up a line from the filter press inlet valve and run the other end into the floor drain.

Controlled Document

Only those quality documents viewed through the Giles Chemical electronic Documentation System are officially controlled. All other copies, whether viewed through another computer program or a printed version, are not controlled and, therefore, the Quality Unit at Giles assumes no responsibility for the accuracy of the document

	GILES CHEMICAL ~ PREMIER MAGNESIA		
	Company Form		
	Title: Filter Press Start Up	Number: G18-PR-200-003	
	Owner: Joe Phillips	Revision: 00	
	Effective Date: 02/28/18	Page: 2 of 2	

- 4) Open the water supply valve ½ way and backflush the system until water runs steadily into the drain from the filter press inlet valve.
- 5) Close water supply valve and unhook hose at valve.
- 6) Hook up hose from product box to water supply valve.
- 7) Create a loop from product box to brine pump inlet (this line should always be hooked up). Hook up a line from brine pump outlet to filter press inlet valve.
- 8) Start brine pump. Open all spigots on press frames and close outlet valve on press. You may add water from the water supply valve if necessary.
- 9) Unhook hose on filter press outlet valve and hook it to the product valve on the mud tank.
- 10) Add 50lbs of filter flow to product box. Add a small amount of water to the product box to aid in mixing the filter flow.
- 11)
- 12) Allow filter flow to circulate for 4-5 minutes.
- 13) Move the long trough away from spigots and allow product box to drain.
- 14) Once the line at the product box begins to suck air, stop the brine pump.
- 15) Unhook hose from brine pump outlet.
- 16) Hook up a hose from the brine pump outlet to the desired tank line.
- 17) Hook up the mud line to the mud pump inlet.
- 18) Hook up a line from the mud pump outlet to the filter press inlet.
- 19) Open the product valve at mud tank.
- 20) Open filter press inlet valve ½ way open.
- 21) Turn on mud pump and run product into the floor for two minutes and return long trough to the spigots on press frames.
- 22) Fill product box ½ way before starting brine pump.
- 23) Maintain the level in the product box by using the valve at tank line. Add water to product box if necessary to reach desired percentage.

7.0 Reference Documents

N/A

8.0 Change Information

New Document

Controlled Document

Only those quality documents viewed through the Giles Chemical electronic Documentation System are officially controlled. All other copies, whether viewed through another computer program or a printed version, are not controlled and, therefore, the Quality Unit at Giles assumes no responsibility for the accuracy of the document