

Gravity Belt Thickener

Startup Process

1. Make sure polymer delivery system is in working order and switches are in remote start configuration.
2. Go around the machine and articulate (move) all of the edge guide paddles both ways.
3. Push Blue button on the Main panel face and throw the Main switch at the same time.
4. Turn on Main power switch at upper left.
5. Allow Machine to boot up.
6. Touch orange button marked – Go to Main Control Panel.
7. Touch Green Air Solenoid button.
8. Touch Green Booster Pump button.
9. Touch green GBT button.
10. Allow 2 minutes of run time so all processes can get started.
11. Touch, in order, Sludge pump, Polymer Pump, Screw conveyor, and Thickened sludge pump buttons on right side of screen.
12. Press should now be running, touch - Go to Main Screen button.
13. This screen will show you the speed the press is running(Lower left center), the speed the Polymer pump is running (Lower right center) and the GPH of sludge the pump is pumping (bottom right).
14. Top Left shows if you have a fault, center left show Auto or Hand Mode, usually in hand mode.
15. Top center 3 buttons are the speed set points for the GBT.
16. Large center button is how you switch between GBT and BFP mode. Usually in GBT mode, (BLUE).

Switching to BFP mode

1. Go to Main Control panel.
2. Touch stop on all GBT processes. Wait 2 minutes until all sludge is off machine.
3. Go back to main screen.
4. Switch to BFP mode on large square button in middle of screen.
5. Maintenance will need to be contacted to help lower the diverter blade at the top end of the top belt.
6. Once diverter blade has been moved, restart machine as above, except, do not turn on GBT button, touch BFP button instead. Machine is now running as a Belt Filter press.
7. At the end of the run, cleanup is as for the BFP (large press). If not running as a BFP on the next day , make sure the diverter blade is replaced to its original position.