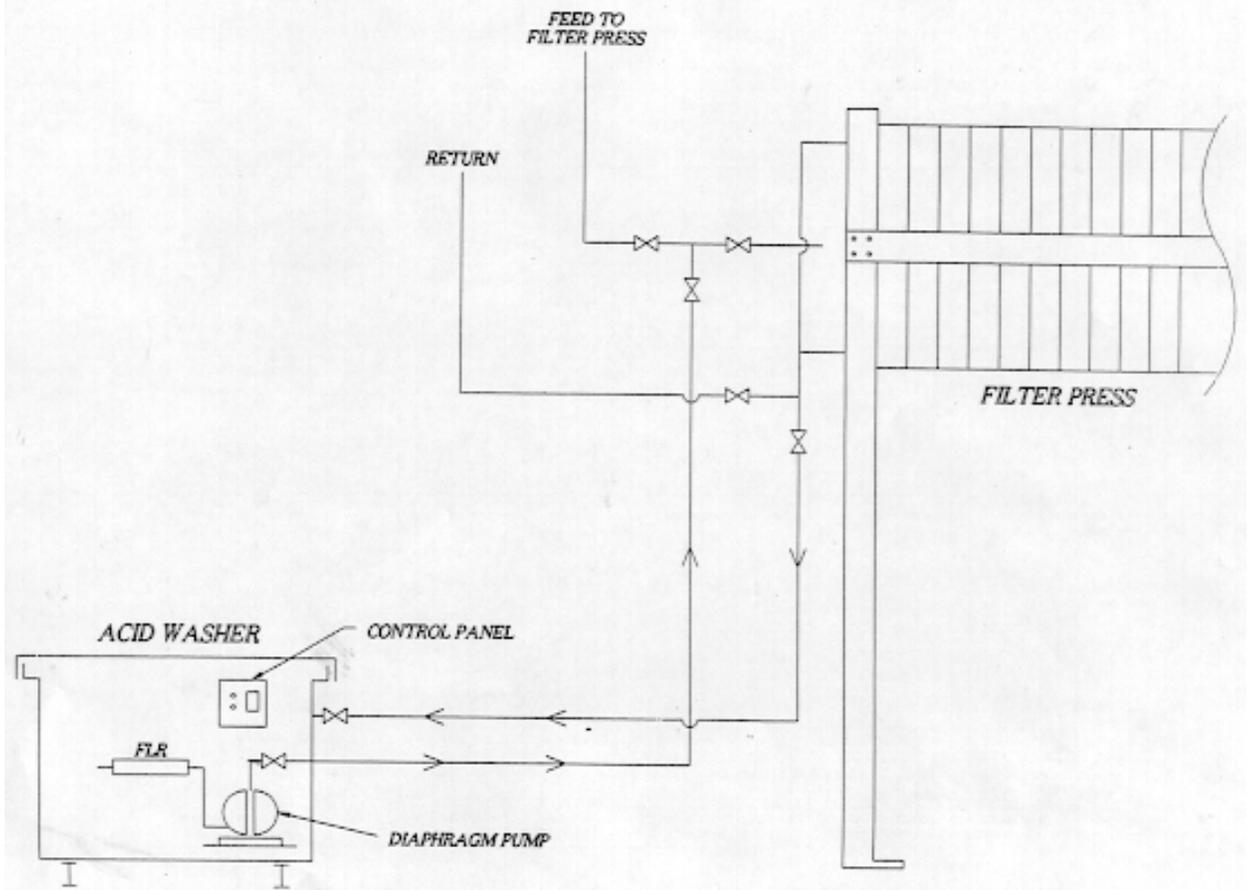




FILTER CLOTH ACID WASHING

CGR Plates ONLY

1. Acid storage tank of sufficient capacity to fill press and allow for recirculation, approximately 1.5 x holding capacity of press (7.5 gallons per cubic foot).
2. A 25% solution of hydrochloric (muriatic) acid. A lower or higher concentration may be necessary due to solubility levels of entrapped particles. Note: Extreme care must be taken when handling acid.
3. Low pressure (20-30 PSI max.) Acid resistant pump.
4. Necessary plumbing (hoses or rigid PVC pipe) to isolate the press from the sludge stream and allow for both recirculation to the acid storage tank and final draining of the spent acid solution. A throttling valve installed in the return line to the acid tank may be necessary to insure complete top to bottom press filling and washing of the cloths.



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FILTER CLOTH ACID WASHING (Cont.)

Method

1. Clean all filter cloths of all sludge cake with nylon spatulas.
2. Close filter press.
3. Disconnect sludge feed line from sludge pump.
4. Connect outlet of acid pump to sludge feed line to filter press.
5. Connect lower outlet of filter press to acid recirculation tank.
6. Open acid feed line to filter press.
7. Start acid feed pump. It will take considerable time to fill all of the chambers of the filter press before the acid will return to storage tank. continually inspect filter press for leakage during filling and recirculating.
8. Allow pump to recirculate for one to two hours.
9. Turn off acid feed pump.
10. Follow air blowdown sequence in operation instructions to purge acid from filter press (use maximum 15 PSI air).
11. Disconnect acid feed system and reinstall sludge pump and outlet lines.