

HYDROCAL FILTER PRESS

Dewatering and Filtering



Applications

Chemical Processing
General Industrial
Metals, Minerals
Municipal/Industrial Wastewater
Food, Beverage & Pharmaceutical
Petrochemical
Environmental Cleanup

Features

Control panel
Hydraulic safety cabinet
Lock-out style door
Cabinet spill containment
Single airline connection
Built-in expandability two position siderail
Self centering cylinder coupler
Gusseted design provides uniform closure pressure
Precoat style air blowdown standard
Pumps can be mounted directly to filter press

Filter Press Operation

The two main components of the filter press are the filter plates and the hydraulic cylinder system. The hydraulic cylinder holds all of the filter plates closed, while solids are forming a cake inside the filter plates. Dirty fluid is forced under pressure into the filter chamber by a fluid process pump. Fluid enters in the center of the filter plates, with all chambers being filled simultaneously. The filter cloth retains the solids. Once passing through the filter cloth the clean fluid then travels to the discharge/air blowdown manifold. The trapped solids form a build-up in each filter chamber called a "cake". Once compacted under maximum pump pressure the cake can be discharged.