



PRODUCT BULLETIN

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Sepor's Hydraulic Floor Mounted Pressure Filters

Sepor's Floor Mounted Batch Hydraulic Actuated Pressure Filters are manufactured for batch filtering of slurries under pressure, up to 80 PSI. They offer a quick, convenient method of dewatering slurries, up to 11.5 gallons. The hydraulic power pack operates on 110 volt, single phase 60 Hz current, and holds the bottom plate in place. When filtration is complete, a flip of a switch lowers the plate with the filter cake on it for easy removal. Pressing another switch raises the plate back into position and holds it in place for another filtration round. The top till plate is handwheel actuated, and swings away for easy loading of the filter with slurry. The bottom plate has consistently been the source of complaints for leaks, due to tightening problems, and complaints about tightening the plate in a awkward position. The hydraulic actuation for the bottom plate has addressed both of these problems, for those desiring to spend a little more for the convenience of a hydraulic actuated pressure filter. Also included with each pressure filter is a filter cloth, a package of 100 high wet strength filter papers with a 25 nominal micron pore opening, internal piping with pressure relief valve, pressure gauge, bleed off valve, and drain valve. All that is required for operation is a slurry, and a source of compressed air (at least 1 CFM @ 60 PSI).



These pressure filters are available in different materials, for corrosion resistance. The standard model is constructed of mild steel and a 316 Stainless Steel model is also available. The chamber dimensions of the 11.5 gallon floor mounted pressure filter are 12" diameter and 24" high.



The photo at left, depicts the valve used to lower the filter cake, once the dewatering is complete. The photo at right, depicts the filter, showing the air line connected to the top and the hydraulic line connected to the remote power pack (which is furnished with the filter).

