

SINGLE-ACTING HYDRAULIC CLOSURE

A manual hand pump to extend the spring return hydraulic cylinder is standard for the 470mm filter press. The hydraulic cylinder is swung from the “up” to the “clamp” position and the hand pump is operated to build clamping pressure. At the end of the dewatering cycle, the hydraulic pressure is released and the cylinder is retracted by an internal spring. The cylinder is then lifted to the “up” position and the follower is manually pulled back to the end of the press. The filter plates are then manually shifted to discharge filter cake.

To eliminate hand pumping, an air-operated single-acting closure system is available as an option.



[Video: How to Open/Close
Manually-Operated Hydraulic Filter Press](#)



Hydraulic Cylinder – Plate Stack Clamped



**Hydraulic Cylinder lifted for cake discharge (“up”),
follower pulled back; manual hand pump shown**



Optional: Air Operated Hydraulic Pump