Electric Hydraulics

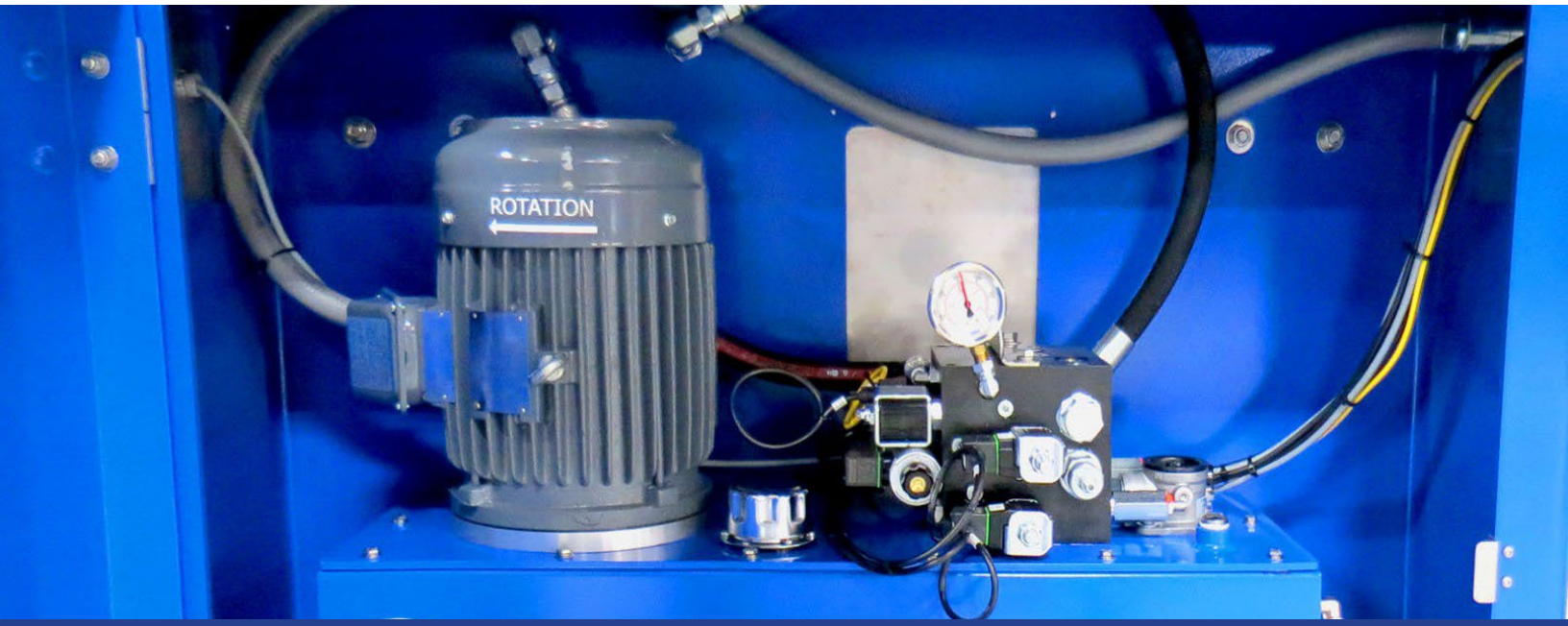
M.W. Watermark filter presses can be equipped with electrically-operated hydraulics. For press sizes 800mm through 1500mm, electric hydraulics are optional to decrease filter press opening and closing times. For added operator and equipment protection, the hydraulic power unit (HPU) is enclosed within the leg of the filter press that supports the hydraulic cylinder.

The HPU includes a high volume/low pressure pump to open and close the plate stack quickly and a low volume/ high pressure pump that clamps the plate stack. Once the plate stack is closed, the high pressure hydraulic pump clamps the plate stack with a force, plus a safety factor, to counteract the pressure of slurry feed.

Electric hydraulics are controlled by the M.W Watermark Electric Hydraulic Control System (EHCS), which monitors the status of the system and provides and emergency stop push button, disconnect switch, and touch screen control of the filter press hydraulics.

- Electric Hydraulics Control Panel

- Electric Hydraulics (inside cabinet)



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