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PHOENIX Process Equipment Co. Model WX-D Belt Filter Press

For maximum hydraulic flow rates per meter of belt width on very difficult, low feed solids applications the new PHOENIX Model WX-D dual gravity zone belt filter press system provides maximum versatility. Its integral third belt pre-thickener and extended gravity and wedge zones provide superior dewatering performance. Because the pre-thickener section is driven independently from the press, it utilizes a more porous belt material that accelerates gravity drainage. This allows operation at higher belt speeds for increased hydraulic capacities and optimum pre-thickening ahead of the belt press gravity zone.

Alternatively, the pre-thickener belt and the press can process sludges from two different sources, allowing for simultaneous thickening of one sludge and dewatering of the other. In this mode, as controlled by the operator, a diverter directs sludge from the pre-thickener belt discharge to a digester or another point in the process, while a separate nozzle directly feeds the press gravity zone.

The compact Model MC version is available for lower feed rates, producing maximum dewatering capacity while using minimum floor space. The Model MC is available with a conventional two-belt design or in a three-belt, dual gravity zone configuration. Skid mounted systems can be as small as 4' x 15'.



PHOENIX Model WX-D