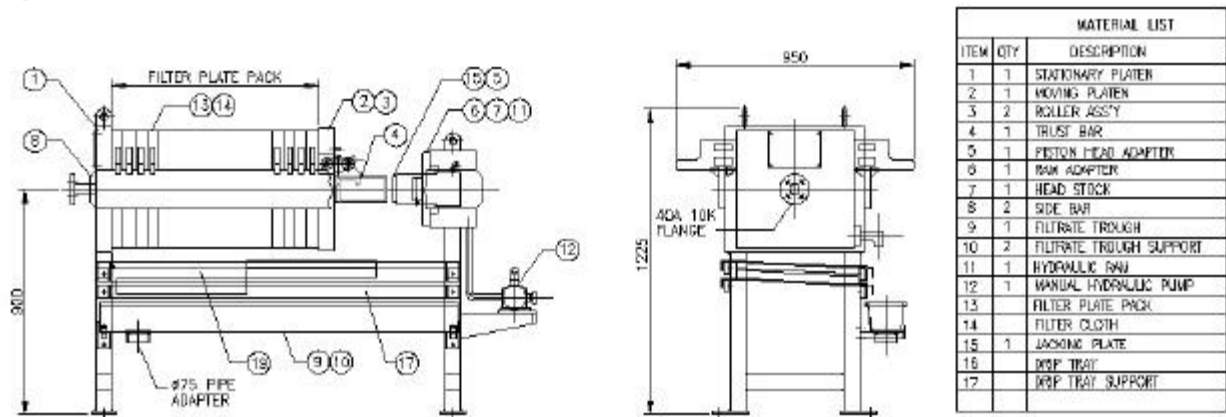




AMSTON® Filter Presses – Manual MH Series 470 x 470mm Standard Specification

AJM are the exclusive agents for AMSTON® Filter Presses for Australia & New Zealand

The AMSTON® Filter Press is a simple and effective sludge dewatering filter that maximizes sludge volume reduction and cake dryness. The process is a batch feed and the MH Series includes for a hydraulic hand pump.



System components

The MH Series AMSTON® Filter Press is a manual recessed chamber filter press. A manually operated hydraulic pump is used to close the filter pack. Dropping of the filter cake is a simple manual operation.

The AMSTON® Filter Press is supplied as a ready to install unit. The standard scope includes the frame and legs, filter plates, filter cloths, hydraulic power pack, filtrate tray and drip trays.

Standard specification

Item	Standard specification	Option
Fabricated components		
Frame and Legs	Mild steel to ASTM A435-02(07), surface treatment including 2 undercoats coats of epoxy primer followed by 2 coats of polyurethane paint.	
Side Bars	As above but with 304 stainless steel profiles. The filter plates are supported on the side bars.	316 stainless steel
Filter Plates	Recessed chamber Polypropylene to DIN7129. Excellent chemical resistance. Centre feed, 32mm cake thickness. Open discharge per plate with uPVC filtrate pipe, 15 bar rating	Corner discharge with filtrate ports 25mm cake thickness
Filter Cloths	Barrel neck sown polypropylene – Standard weave 5 L/dm ² /min.	15 L/dm ² /min filter cloth weave
Filtrate Tray	UPVC	
Drip Tray	UPVC	
Major items		
Hydraulic Pump	Manually pumped cylinder 50/75 tons pressure	

Capacities

22 through to 853L chamber volume
32mm filter cake thickness
15 bar filter plates

Electrical

The filter press contains no electrical items.

Sizes

Model	Volume (L)	Number of Plates	Dimensions (mm)	Weight (kg)
MH05-4H	22	5	1311 x 950 x 1225	640
MH10-4H	50	10	1588 x 950 x 1225	700
MH15-4H	78	15	1866 x 950 x 1225	750
MH20-4H	106	20	2143 x 950 x 1225	810

Technical

The MH Series is a manual filter press for dewatering sludge produced from industrial wastewater treatment plants. The cycle times and volume to be processed are dependant upon the sludge type, expected cake dryness, specific gravity and process. Please consult AJM for detailed information on sizing and cycle times.

Services Required

Power Supply	None
Compressed Air (optional Item)	Intermittent 20cfm @ 700kPa dried air
Protection	Unit should be located in a dry area out of weather.

Options

- Feed pump; Air Diaphragm type
- Chemical Reaction Tanks
- Air Track Plate Shifter System
- Platform
- Polymer Dosing Systems

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