

# Fluid control equipments

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## POLYPROPYLENE “LAB PORTER”

## FILTER PRESS (Series-100)

We are leading manufacturers of pressure filtration equipments in Tamilnadu for over 35 years. The Lab Porter series filter presses are best suited for chemical and process industries and for effluent and sewage treatment plants handling flow rates of 2.5 to 5 KLD of slurry per day. We have supplied more than 1000 presses to various clients all over India, and to countries like Bangladesh, Malaysia, Srilanka, Jordan etc., with various stages of automation. We custom build filter presses according to customer needs after conducting pilot studies.

### **FILTER PRESS : WHAT IS IT?**

Filter press is a device which is used for separating suspended solids from the liquids. In the plate&frame type the plates, the frames, and the plate accessories of the filter press are placed on two horizontal parallel bars and are pressed together in between two end plates (i.e. Fixed and moving ends) by a closing device. The material to be filtered is then pumped into the press which goes to all the frames where the filter media stops the suspended solids and allows only the clear liquid to go through the discharge ports leaving the solids in the frame.



In the recessed type, the slurry is fed through the central inlet and the solids are retained in the recess between the plates, while the filtrate is collected through the corners.

## **SOME OF OUR DISTINGUISHED CLIENTS**

### **FOOD AND BEVERAGES**

INDO NISSION FOODS LTD  
MEGA TRENDS INC (TORINO)  
KALIMARK BEVERAGES LTD

### **EFFLUENT AND SEWAGE TREATMENT CONSULTANTS**

AQUA DESIGN INDIA LTD  
LIVING WATERFINE TECHNOLOGIES PVT LTD  
QUALITY WATER MANAGEMENT SYSTEMS PVT LTD

### **HERBAL AND BIOTECHNOLOGY**

KOTHARIPHYTO CHEMICALS INTERNATIONAL  
MALLADI DRUGS AND PHARMACEUTICALS  
THANGAM EXTRACTS

### **BATTERIES**

INDO NATIONAL GROUP (NIPPO BATTERIES)  
AMARA RAJA INDUSTRIES LTD (AMARON BATTERIES)  
TAFE POWER SOURCE DIVISION

### **TEXTILES AND LEATHERS**

BASIC CHEMICALS & INTERMEDIATES  
TEXTAN CHEMICALS PVT LTD  
RISHAB INTERMEDIATES

### **CHEMICAL INDUSTRIES**

CHEMPLAST SANNAR PVT LTD  
SOUTHERN CHEMICALS PVT LTD  
AAR VEE CHEM

### **RUBBER AND LATEX PROCESSING**

COMFOAMS LTD  
MARDEC LATEX PVT LTD  
R.K. LATEX PVT LTD

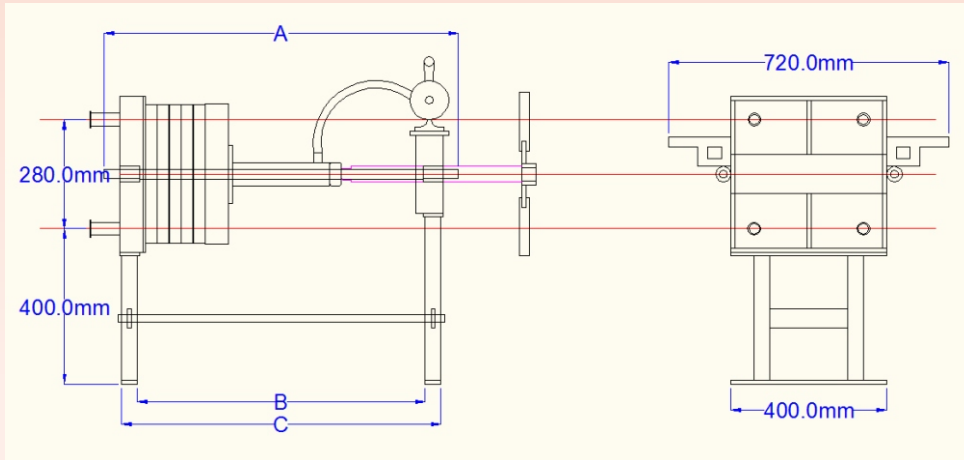
### **GOVT. INDUSTRIES AND LABS**

CENTRAL LEATHER RESEARCH INSTITUTES  
INDIAN INSTITUTE OF TECHNOLOGY, MADRAS  
MURHOPYE SCIENTIFIC

## SPECIFICATION

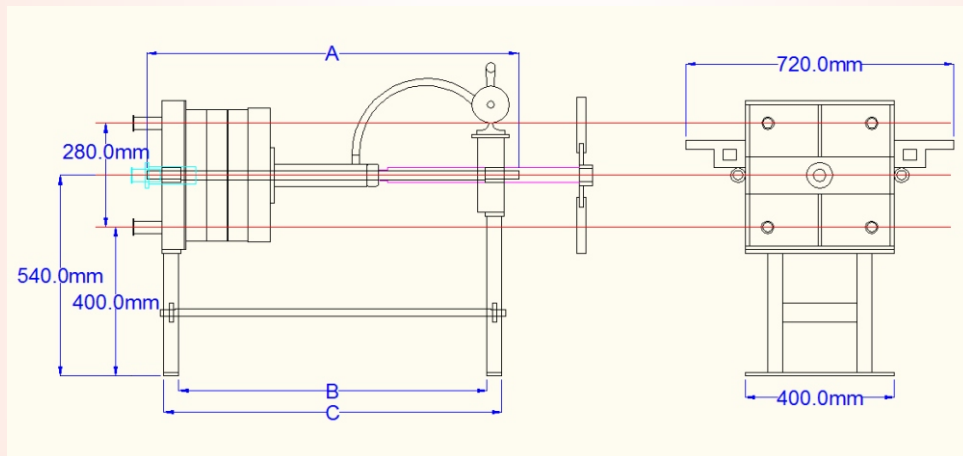
### FILTRATION AREA AND CAKE HOLDING VOLUME CHART FOR RECESSED & PLATE AND FRAME FILTER PRESSES

#### Plate & Frame Type



Size	No. of Frames	Thick in mm.	App Cake Vol. In Liters	App Area Sq.m.	Plate & Frames Type		
					A	B	C
355 mm (14")	2	30	5.1	0.34	1100	1020	870
	4	30	10.2	0.68	1250	1170	1020
	6	30	15.3	1.02	1350	1270	1120
	8	30	20.4	1.36	1450	1370	1220
	10	30	25.5	1.70	1600	1520	1370

#### Recessed Type



Size	No. of Frames	Thick in mm.	App Cake Vol. In Liters	App Area Sq.m.	Recessed Type		
					A	B	C
355 mm (14")	2	30	5.1	0.34	950	870	720
	4	30	10.2	0.68	1050	970	820
	6	30	15.3	1.02	1150	1070	920
	8	30	20.4	1.36	1300	1220	1070
	10	30	25.5	1.70	1400	1320	1170

All Dimensions are approximate confirm with us for exact details

\* For Manual closing A,B,C will be approximate 250mm less