

SALES, SERVICE & SUPPORT



AMERICAS

EUROPE & ASIA

Pacific Press Co. manufactures a high quality filter press for the removal of solids from liquid/solid solutions. Since the inception of the company over 20 years ago we have been dedicated to providing continued innovation to our products for our customers. This niche product line ranges from standard filter presses to fully custom equipment including a full line of accessories ranging from pumps to complete automated packages. The fabrication of your equipment is done in house for the highest quality and most economical cost. We service the customer with our worldwide representative network providing local sales & service support.

APPLICATION ENGINEERING

MANUFACTURING

START UP & INFIELD SERVICE



The engineering staff at Pacific Press Co. is available for on site evaluation, testing and design work to ensure the equipment best suits your facility.



Your equipment is ensured proper fabrication, assembly & operation as it is completely preassembled and trial tested prior to factory shipment.



The skilled service personnel at Pacific Press Co. will ensure a smooth installation, commissioning and training of personnel at your job site.

WORLDWIDE VENDOR PARTNERSHIPS

Pacific Press Co. has established special partnerships to provide worldwide service using the following brand name components.



AB Allen-Bradley



SPX POWER TEAM



WILDEN

PRODUCT APPLICATIONS









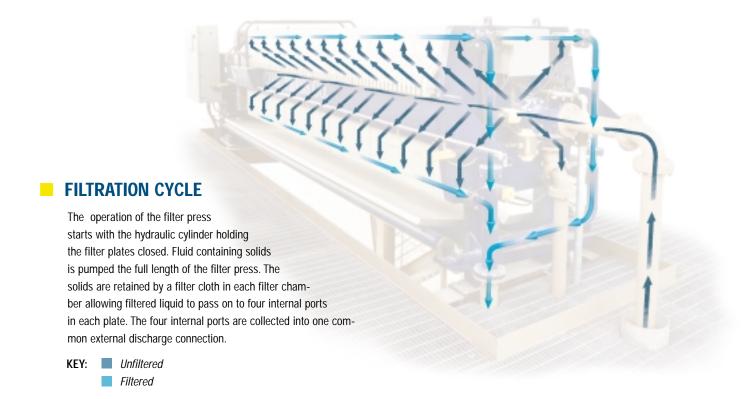








HOW DOES IT WORK?



CORE BLOWDOWN CYCLE

The use of compressed air injected in the opposite end that the press is filled in allows residual liquid to be purged out an auxiliary connection. In removing the residual unfiltered center portion it will not add liquid to the already dry cake formed in the filter plate.

KEY: Compressed Air

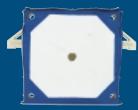
WHICH STYLE OF PLATES?



Gasketed

This plate offers a positive 0-ring sealing design. The filter cloth is pressed into a retaining groove within the recessed

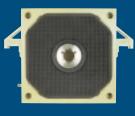
portion of the filter chamber.



Non-Gasketed

This recessed chamber plate has a cloth with a latex edge seal. Convenient

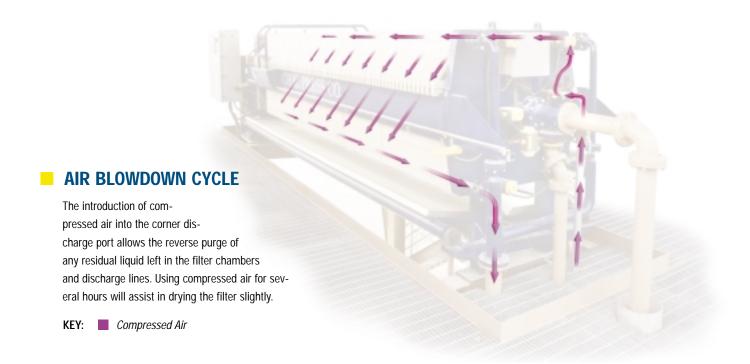
for quick cloth replacement; the disadvantage is a wicking of the cloth can occur.



Membrane

This plate uses an integral bladder that is inflated up to twice the processing

pressure. This squeezes the filter cake, providing a drier filter cake.





WHICH STYLE OF FILTER CLOTH?



PMU

Polypropylene Multifilament fabric is the most widely used fabric, ideal for metal hydroxides and other easily dewatered solids.



PSM

Polypropylene Single Monofilament is used in high oil content applications such as laundries and food processing plants.



PMM

Polypropylene Mono-Multifilament has a tight micron retention while providing excellent release characteristics.





Automated Pump Control

A PLC controller is used to gradually increase pump pressure in 5 psi increments. A feed back switch determines the most efficient cycle.



Hydraulic Safety Cabinet

The steel cabinet of the premium series is designed to contain the hydraulic operation and capture oil if a leak should occur.



Duo-Step Siderail

Allowing the press to expand an additional 2 cu. ft. without the use of a longer frame or the expense of an expansion spacer.



operate the filter press.

Semi-Automatic Plate Shifter

Used to assist in separating the filter plates that are to be cleaned. The unit is moved to the location in which the desired plates are to be opened.



tured below are designed to reduce the amount of time required to

Air Blowdown Piping

Standard with all filter presses. A pump, if purchased, can be mounted to the press and piped directly to the inlet.



Safety Cord

A cable operated switch is available to ensure the hydraulic closure is able to be stopped at any location along the filter press.

AUTOMATIC



AUTOMATIC FEATURES

The premium style press shown here has fully automated features. In larger installations by increasing the amount of automation the operator is only required to be present for the discharge of the filter cake. All other functions are automatically sequenced at the touch of a button.













The PLC Interface

The automatic functions available on the filter press are displayed graphically on this screen. Using a PLC controller, the unit may be operated as stand alone equipment or as part of a larger, facility wide system.

Electric Hydraulics

Reliability is the main feature of this design. A hydraulic system that does not require dry compressed air proves to be the most trouble free.

Automatic Plate Shifter

Typically used on presses with large quantities of filter plates. This unit allows the plates to separate without any operator intervention.

Light Curtains

Incorporated as an interruption mechanism for the automatic plate shifter. It allows the shifter to be rapidly stopped and started, reducing cleaning time.

Automated Valves

Used in the air blowdown piping. Automatic activation allows the air blow, core blow and feed cycles to operate unattended.

Bomb-Bay Doors

Used to capture any dripping liquid from non-gasketed filter plates. These stainless steel trays also act as chutes to divert the cake discharging from the filter press.

WHAT IS INCLUDED IN A FILTER PRESS SYSTEM?

1 Sludge Thickener & **Conditioning Tank**



A wide range of tank and mixers sizes are available for conditioning of polymers or pretreatment. Tanks without mixers are also used as thickeners to concentrate solids prior to feeding into a filter press.

2 Chemical Feed System



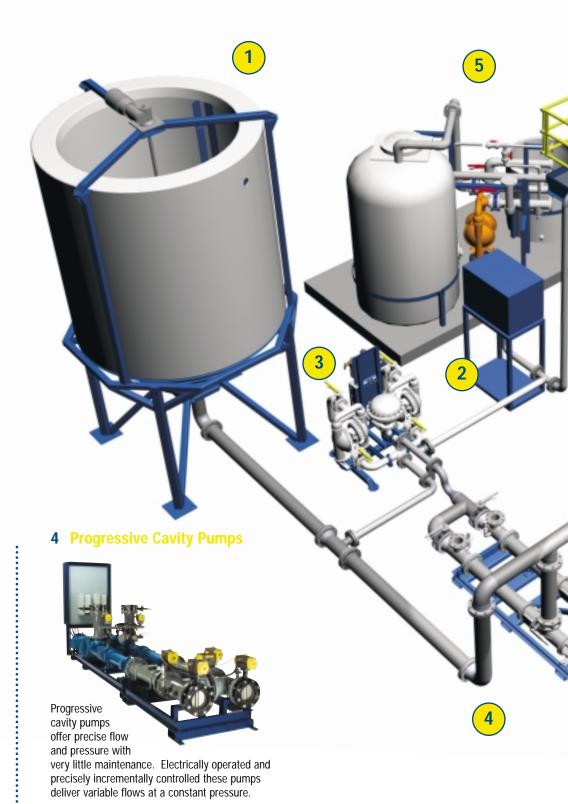
Many applications require some form of pretreatment prior to filtration. A wide range of both wet and dry polymer feed injection systems are available for in-line

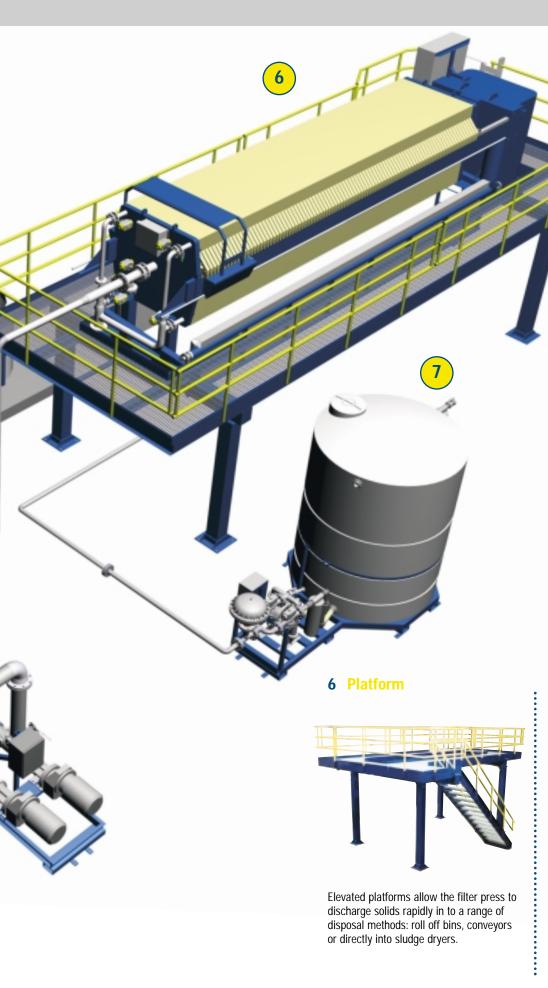
3 Air Diaphragm Pumps



Air diaphragm pumps are ideal for feeding heavy sludges into filter presses. This low cost, simple to maintain pump uses compressed air to

operate and can be provided with an incremental pressure controller to form a dryer cake.





5 Precoat and Bodyfeed



The use of a filter aid such as Diatomaceous Earth is sometimes necessary to ensure the proper forming of filter cake in a filter press. Precoat creates a barrier that protects the filter cloth from needing to be washed every cycle when filtering sticky or tacky solutions. Bodyfeed enhances the flow and increases cake dryness.

7 Auxiliary Skids



Auxiliary skids such as membrane (water squeeze) cloth washing or acid washing are typically located near the filter press for automatic sequencing from the filter press control panel.

FILTER PRESSES, OPTIONS & ACCESSORIES

						FILTER PRE	ss -		— с	IANUAL .OSURE —— NTROLS	DISCHARGE DEVICES				
			Filter Pres	S		HYD C	losure	Co	ontrols	Safety					
	The following chart show filter presses sized from frame sizes with the corr accessories available for o	CGR	NCGR	MEMB		PNEV	ELE	AP-3	AIS	Cord	Light				
470 mm		MANUAL	P04L	1				1		1					
*=	E		P06L	1				1		1		1			
630 mm*	No. of	SEMI*	P06H		1			1		~		1			
			P08L	1				1		1		1			
mm 800		SEMI	P08H		~	~			~	~		1			
		ALITO	P08L	1					1		1	1	~		
	I	AUTO*	P08H		1	1			1		1	1	1		
*m			P10L	1	1			~	1	1		1			
	The same of	SEMI*	P10H		1	~		7	~	1		1			
1000 mm*	-		P10L	1	1	·			~		1	1	~		
~	To the state of	AUTO*	P10H		1	~			~		1	1	1		
			P12L	1	1			1	1	1		1			
		SEMI	P12H	-	~	~		•	1	1		1			
mm*	***	A 1 177 C	P12L	1	1				~		1	1	~		
1200 mm*		AUTO	P12H		1	~			~		1	1	~		
	O. P. Harrison	AUTO	P12L	1	1				1		1	1	~		
		OVERH	P12H		1	1			1		1	1	1		
			P15L		1			1	1	1		1			
		SEMI	P15H		1	~			~	1		1			
1500 mm		AUTO	P15L		1				~		1	1	~		
		AUTO	P10H		1	1			1		1	1	✓		
		AUTO	P15L		1				1		1	1	✓		
		OVERH	P10H		1	1			1		1	1	1		

^{*} The following presses are available in standard and premium models.

—— DISCHARGE DEVICES ——	DISPOSAL SYS	TEMS —	PUMPS & PUMP SYSTEMS —	CONDITIONING —					
Plate Shifters	Sludge Handling	Drip Tray	Feed Pumps Accessory Pumps	Mixing & Blending					
Semi Auto	Carts Chute Legs Drum Disp	Platform Bomb Bay	Press Skid Mounted Mounted Cavity Washer Skid	PCU Chemical Feed Tanks					
	1 1		1 1	✓					
1	1 1 1		1 1	1					
1	1		1	1					
1	1 1 1	1	1 1	1					
1	1	1	1 1	1					
~	1	1 1	1 1	1					
	✓	1 1	1 1 1	1					
1	✓	1	1	11					
~	1	1	1 1	1 1					
-	1	1 1	1	1 1					
*	1	1 1	1 1	1 1					
1	✓	1	1	1 1					
1	1	1	1	1 1					
~	1	1 1	1 1 1	1 1					
1	1	1 1	1 1 1 1	1 1					
~		1 1	1 1 1	1 1					
		1 1	1 1 1 1	1 1					
1		1	✓	1 1					
~		1	1	1 1					
~		1 1	1 1 1	1 1					
~		1 1	1 1 1	1 1					
1		1 1	1 1 1	1 1					
1		1 1	1 1 1 1	1 1					

Filter Press Sizing Chart

Please review the chart below to make a frame size selection.

Most Common Capacities Filter press Volume (Ft ³)																													
Press size	Press size													125	150	175	200	250	300										
470 mm 18.5" plates No. of Plates	7	13	19	25	31																								
630 mm 24.8" plates 19 23 29 No. of Plates 29							35	43																					
800 mm (31.5") No. of Plates	(31.5")							21		31	41	51	61																
1000 mm (39.37") No. of Plates	(39.37")														43	49	55	61	73										
1200mm (47.25") No. of Plates								79																					
1500mm (59.00") No. of Plates										65	77	89	101	127	153														

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1500 x 2000 mm and 2000 x 2000 mm press data available upon request.

- CUSTOMER SUPPORT
- TECHNICAL BULLETINS
- PRODUCT MANUALS
- PRODUCT INFORMATION
- AUTO-CAD FILES
- COMPANY NEWS



Pacific Press Co. reserves the right to change any data contained within this brochure without notification.



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