

... Features, Options and Service

Features, Options and Service

Not all aspects of Shriver filter presses can be adequately depicted in a single brochure, nor can all performance and sizing data be tabulated. However, to present some approximation of the capability of Shriver presses, information has been compiled and listed on the following page. Please do not use this data for construction purposes, as it is only intended for estimating. Contact your local Shriver representative or the Eimco office in Salt Lake City, Utah. They will provide the exact data you require from your specifications.

An array of options are available to tailor a filter press to your needs.

The Latest Shriver "FB" Cost-Effective Filter Press Designs Offer:

- Easy operation and maintenance
 - Safe pneumatically operated controls
 - Complete corrosion resistance
- Minimum weight and space requirements
- Maximum area and volume
- U.S. made and engineered
 - Factory service
 - Parts availability
- Over 80 years experience in process and design with 30,000 installed units
- Qualified experienced technical staff
- Flexibility in design
- Food grade construction
- Efficient cake washing
- Driest cakes with membranes and/or air blow

Applications

- Hazardous and metallic wastes
- Pharmaceuticals and chemical products
- Pigments and dyes
- Precious metals
- Ore processing
- Coal dewatering
- Water treatment
- Biological sludges
- Clarification of liquid
- Oilfield muds
- Food products and juices

Optional Additions

- Wide selection of filter media
- Manual or automatic drip trays
- Cake dumpsters or drum discharge
- Filtrate blowdown system
- Core blowback system
- Cloth washers
- Automated control
- Flexifabric™ cake discharge mechanisms
- Alternative plate materials
- 100 PSI and 225 PSI designs
- Temperatures to 160° F in polypropylene plate construction, higher temperatures with alternate materials
- Air or electrically powered
- Cake washing or airblow
- Feed pump combinations
- Safety features

All Shriver Filter Presses are totally engineered and designed in the United States with manufacturing done in the United States, Canada, Mexico, Australia, and other Eimco facilities throughout the world.

Shriver, Leading the Way With... Performance

Filter Sizes and Capacity (Do not use for construction)

Total Volume Cubic Feet	Number of Chambers									
	Sidebar Designs						Overhead Designs			
	470 FB	630 FB	800 FB	900 FB	1000 FB	1200 FB	1200 FBOH	1500 FBOH	2000 FBOH	3000 FBOH
0.6	4									
1.0	6									
1.5	10	5								
2.0	13	7								
3.0	20	10								
5.0		17								
8.0		28	17	15						
12.0		41	26	22						
15.0			32	28						
20.0			43	37	27					
25.0				46	34	21				
30.0					40	25				
40.0					54	33	33			
50.0						42	42			
75.0						63	63	39		
100.0						83	83	52		
120.0							100	63		
150.0								78	59	
200.0								104	78	
275.0								143	107	
400.0									150	75
600.0										115
800.0										154
Maximum	20	45	55	55	70	100	120	150	150	175
Ft ³ /chamber	0.15	0.29	0.47	0.54	0.74	1.20	1.20	1.92	2.56	5.20
Ft ² /chamber	3.33	6.40	10.1	13.1	17.4	25.6	25.6	39.0	51.6	104.2
Plate Size	18x18	24x24	31.5x31.5	36x36	39.4x39.4	48x48	48x48	60x60	60x80	80x120

Chart above assumes 1 1/4" filter cake thickness in recessed plates. Other volume can be approximated by multiplying by cake thickness ratio. Consult Shriver Sales Representative or Eimco for accurate sizing or for dimensions on other plate styles.

For filtration applications where the feed concentration is less than 1 WT%, filter area may control sizing. In these cases, contact Eimco.
$$\text{Filter Press Volume} = \frac{\text{Total Feed Volume (GAL)} \times \text{Solids Conc. (WT\%)} \times \text{Slurry S.G.} \times 8.34}{\text{Density of Wet Cake (LB/FT}^3\text{)} \times \text{Cake Solids Conc. (WT\%)}$$



EIMCO
Process Equipment Company



P.O. Box 300
Salt Lake City, Utah 84110
(801) 526-2218
Telex 388-331



SHRIVER
FILTER PRESSES

Sales Offices also located in
Canada, Mexico, Chile,
Australia, Singapore and
Hong Kong.

For more information or to order
contact your local Shriver Sales Agent.

Copyright © 1986 by Eimco Process Equipment Company
Shriver, Eimco,  and  are trademarks of Eimco Process
Equipment Company Form #2216.1

