



# SHRIVER

## FILTER PRESSES

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**Leading the Way  
For Cost-Effective Dewatering**

**Variety: Designs, Sizes,  
Features, Options**

- Sidebar and Overhead Configurations
- Automatic and Manual Operations  
100 and 225 PSIG Operation
- Dependable, Nationwide Parts & Service Organization



# 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 <sup>3</sup> /chamber | 0.15               | 0.29   | 0.47      | 0.54   | 0.74      | 1.20    | 1.20             | 1.92      | 2.56      | 5.20      |
| Ft <sup>2</sup> /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**  
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**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.