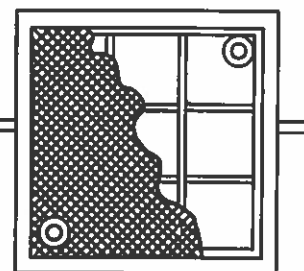
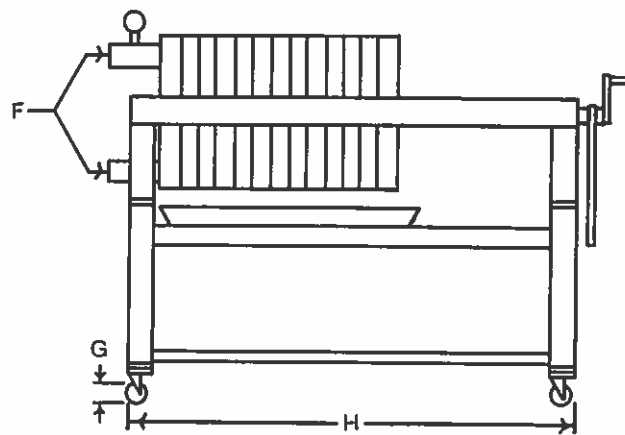
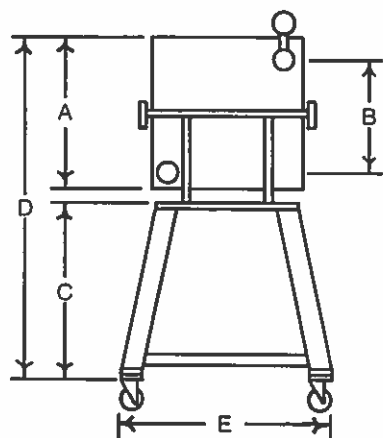
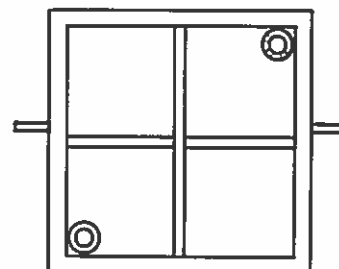


Square Model

Data Sheet



PRESSURE PLATE
HEAVY PERFORATED
STAINLESS STEEL
ON BOTH SIDES



SLUDGE FRAME

Size	A	B	C	D	E	F	G	H
12 $\frac{7}{8}$ " sq.	12 $\frac{7}{8}$ "	9 $\frac{7}{8}$ "	26 $\frac{1}{2}$ "	40 $\frac{1}{2}$ "	22 $\frac{1}{2}$ "	1" IPS	4"	44"-72"
18 $\frac{7}{8}$ " sq.	18 $\frac{7}{8}$ "	15 $\frac{7}{8}$ "	22"	43"	30"	1 $\frac{1}{2}$ " IPS	5"	55"-100"
24" sq.	24"	19 $\frac{1}{2}$ "	19 $\frac{1}{2}$ "	45"	35"	2" IPS	5"	86"-146"
30" sq.	30"	23 $\frac{1}{2}$ "	19 $\frac{1}{2}$ "	55"	41"	2" IPS	7"	90"-152"

Star® square filter presses are completely fabricated from plate, bar and tube stock. Standard construction material for plates, frames, heads, pipes - all contact parts - is #304 stainless steel. Contact parts can also be fabricated from carbon steel, #316 stainless steel and other corrosion resistant alloys. Stands are fabricated from carbon steel and coated with high quality epoxy coating. Maximum design pressure on standard models is 75 PSI. Maximum design temperature on standard models is 375° F. Higher pressure and higher temperature models are available. All sealing surfaces on plates, frames and heads are precision-machined to minimize plate stack leakage and eliminate gaskets. Standard Star Filters are accepted by the USDA for use in meat, poultry, and fish processing plants in contact with food stuffs for human consumption.

STANDARD FEATURES:

- 12 $\frac{7}{8}$ ", 18 $\frac{7}{8}$ ", 24", and 30" square.
- $\frac{1}{2}$ " to 3" wide sludge frames of open construction.
- 1" nominal wide plates covered with perforated screen--gives maximum clear filtration--media requires no cloth backing.
- Fabricated steel heads--laminated with same material as plates & frames.
- Ports machined of solid bars--same material as plates & frames.
- Stand of carbon and alloy steel with handwheel, casters or raising blocks.
- Longer stand at no extra cost.
- Stainless steel drain pan.
- Press screw closure with heavy duty ratchet.
- Internal finish--smooth and dense--easy to clean.
- Closed delivery--internal porting.
- Hydraulic closure--standard on all 24" and 30" and larger models.

OPTIONS:

- Stainless steel stands
- Solid stainless steel heads
- Pumps and motors
- Center and blank dividers
- Roll-over design
- Hollow plate and/or frame design
- End plates for minimal sludge capacity
- 3 $\frac{1}{2}$ " to 6" sludge frames
- Basket strainer
- Hydraulic closure on 18 $\frac{7}{8}$ " and smaller
- Four ports

Square Model Filter Press Specifications:

12⁷/₈" square filters:

# of sheets	filtering area	sludge capacity 1" frames	sludge capacity 1½" frames	sludge capacity 2" frames	sludge capacity 3" frames
4	3.59 sq. ft.	0.24 cu. ft.	0.28 cu. ft.	0.32 cu. ft.	0.48 cu. ft.
6	5.39 sq. ft.	0.32 cu. ft.	0.40 cu. ft.	0.48 cu. ft.	0.73 cu. ft.
10	8.98 sq. ft.	0.48 cu. ft.	0.65 cu. ft.	0.81 cu. ft.	1.22 cu. ft.
14	12.57 sq. ft.	0.65 cu. ft.	0.89 cu. ft.	1.14 cu. ft.	1.71 cu. ft.
20	17.97 sq. ft.	0.89 cu. ft.	1.26 cu. ft.	1.63 cu. ft.	2.44 cu. ft.
30	26.95 sq. ft.	1.30 cu. ft.	1.87 cu. ft.	2.44 cu. ft.	3.67 cu. ft.

18⁷/₈" square filters:

# of sheets	filtering area	sludge capacity 1" frames	sludge capacity 1½" frames	sludge capacity 2" frames	sludge capacity 3" frames
12	25.15 sq. ft.	1.29 cu. ft.	1.75 cu. ft.	2.21 cu. ft.	3.32 cu. ft.
20	41.92 sq. ft.	2.03 cu. ft.	2.86 cu. ft.	3.69 cu. ft.	5.54 cu. ft.
30	62.89 sq. ft.	2.95 cu. ft.	4.25 cu. ft.	5.54 cu. ft.	8.32 cu. ft.
40	83.85 sq. ft.	3.88 cu. ft.	5.63 cu. ft.	7.39 cu. ft.	11.09 cu. ft.
50	104.82 sq. ft.	4.80 cu. ft.	7.02 cu. ft.	9.24 cu. ft.	13.86 cu. ft.

24" square filters:

# of sheets	filtering area	sludge capacity 1" frames	sludge capacity 1½" frames	sludge capacity 2" frames	sludge capacity 3" frames
26	95.51 sq. ft.	4.28 cu. ft.	6.21 cu. ft.	7.95 cu. ft.	11.93 cu. ft.
34	124.90 sq. ft.	5.51 cu. ft.	7.95 cu. ft.	10.40 cu. ft.	15.61 cu. ft.
42	154.29 sq. ft.	6.73 cu. ft.	9.79 cu. ft.	12.85 cu. ft.	19.28 cu. ft.
52	191.02 sq. ft.	8.26 cu. ft.	12.09 cu. ft.	15.91 cu. ft.	23.87 cu. ft.
60	220.40 sq. ft.	9.49 cu. ft.	13.92 cu. ft.	18.36 cu. ft.	27.55 cu. ft.
68	249.80 sq. ft.	10.71 cu. ft.	15.76 cu. ft.	20.81 cu. ft.	31.22 cu. ft.
78	286.54 sq. ft.	12.24 cu. ft.	18.06 cu. ft.	23.87 cu. ft.	35.81 cu. ft.

30" square filters:

# of sheets	filtering area	sludge capacity 1" frames	sludge capacity 1½" frames	sludge capacity 2" frames	sludge capacity 3" frames
30	169.21 sq. ft.	7.52 cu. ft.	10.81 cu. ft.	14.10 cu. ft.	21.15 cu. ft.
36	203.06 sq. ft.	8.93 cu. ft.	12.92 cu. ft.	16.92 cu. ft.	25.38 cu. ft.
40	225.62 sq. ft.	9.87 cu. ft.	14.33 cu. ft.	18.80 cu. ft.	28.20 cu. ft.
46	259.46 sq. ft.	11.28 cu. ft.	16.45 cu. ft.	21.62 cu. ft.	32.43 cu. ft.
52	293.31 sq. ft.	12.69 cu. ft.	18.56 cu. ft.	24.44 cu. ft.	36.66 cu. ft.
56	315.87 sq. ft.	13.63 cu. ft.	19.97 cu. ft.	26.32 cu. ft.	39.48 cu. ft.
62	349.71 sq. ft.	15.04 cu. ft.	22.09 cu. ft.	29.14 cu. ft.	43.71 cu. ft.
68	383.56 sq. ft.	16.45 cu. ft.	24.20 cu. ft.	31.96 cu. ft.	47.94 cu. ft.
72	406.12 sq. ft.	17.39 cu. ft.	25.61 cu. ft.	33.84 cu. ft.	50.76 cu. ft.
78	439.96 sq. ft.	18.80 cu. ft.	27.73 cu. ft.	36.66 cu. ft.	54.99 cu. ft.

NOTE: To obtain square inches of filtering area, multiply by 144.

To obtain cubic inches of sludge/cake capacity, multiply by 1728.

Please call or write for more specific information on larger models and flow-rates.



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