



SHP SERIES PRESSURE SCREENS



FEATURES

- 304 stainless steel construction
- pneumatic, oscillating spray system
- automatic timer
- total enclosure
- easily changed-out screens
- access doors
- adjustable header opening

OPTION

- 316 stainless steel

SHP Series Pressure Screens utilize a fixed, curved, wedgewire screen surface that is positioned at a steep angle. The screen surface used for the SHP is wedgewire with slots oriented across the direction of flow. This unique wedgewire construction provides for an effective stripping of liquid facilitating solids removal of particles in the 0.002–0.006 inch range, and helps prevent blinding or plugging of the screen openings.

METHOD OF OPERATION

Pressurized, incoming feed @ 5–15 psi is pumped into a header manifold. The slurry is directed onto the specially curved screen at a tangent. Separated solids move tangentially, downward on the surface of the screen to the discharge outlet. Liquid and finer solids pass through the screen and are discharged via the outlet.

The velocity of incoming material, combined with the shearing action of the screen, produces a positive separation of the material. Slot feed design prevents plugging by fibrous materials, and an oscillating shower, applied intermittently, insures the screen slots remain clean.

HYDRAULIC CAPACITY

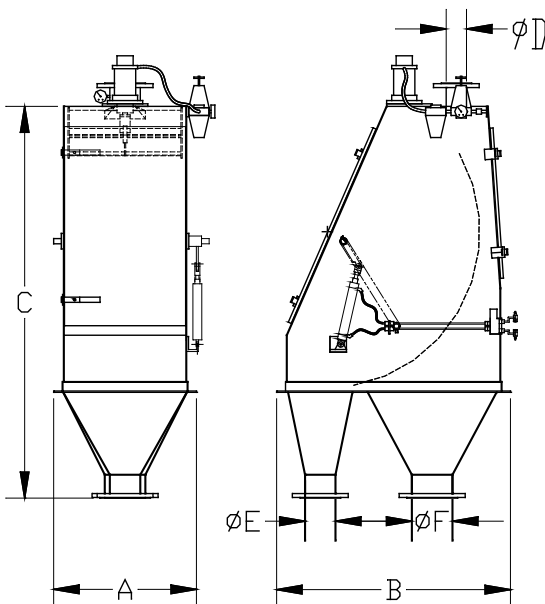
300 to 600 gpm (68 to 136 m³/hr) per single unit, depending on application.

FLOW CAPACITY

The most important variables to be considered when determining flow capacity of each screen model are screen slot opening, solids concentration and solids characteristics.

APPLICATIONS

- Pulp & Paper - white water, fibre recovery, vacuum seal water & fibre fractionation
- Chemical Processing - fiberglass recovery & synthetic fibre recovery
- Wet Milling - starch recovery



Models	Dimensions - inches (mm)					
	A	B	C	D	E	F
SHP 24 – Single Unit	29 (737)	46 (1168)	80 (2032)	3 (76)	6 (152)	8 (203)
SHP 48 – Double Unit	54.5 (1384)	46 (1168)	84.5 (2146)	6 (152)	8 (203)	10 (254)
SHP 72 – Triple Unit	74.5 (1892)	46 (1168)	84.5 (2146)	6 (152)	8 (203)	10 (254)