



BROWN INTERNATIONAL CORPORATION, LLC

MODEL 106

PULPER FINISHER DE-WATERER SEPARATOR



APPLICATIONS: The Model 106 is readily adapted to either pulping or finishing by changing the screen hole size. Such diverse materials as tomatoes, pears, apples, plums, berries, and prunes can be satisfactorily reduced to pulp, free of skins and fiber. Products of citrus juice, jam, soup, jelly and fruit nectar can be finished to uniform consistency.

OPERATION: Separation of liquids and solids is accomplished in the Brown Model 106 by means of paddles rotating concentrically within a cylindrical screen. The liquid and desired amounts of solids pass through the screen. The balance of the solids (pomace) is discharged through a large non-plugging port. Dryness of the pomace with a given screen can be controlled by the paddle speed, pitch, clearance, or feed rate. Production through-put is dependent on the type of product being processed, screen hole size and open area, paddle speed and pitch. Input rates of 3000 gph or 50 gpm have been achieved.



CONSTRUCTION: Types 304 and 17-4 stainless steel are used throughout including frame members. As a result, maintenance is reduced and product contamination due to paint specks and rust is eliminated. Other types of stainless for special applications are available at extra cost.

Paddle design. The paddles are fastened to high-strength stainless arms with heat-treated bolts. The paddle assembly is carried on a stainless steel shaft mounted on a pair of ball bearings. An adjusting mechanism is provided at each mounting bolt to facilitate accurate fitting of the paddle to the screen. The outside diameter of the paddles has been contour-machined to ensure a uniform fit over the length of the 2-1/2" pitch paddle.

Screens. The screen assembly consists of a stainless steel cage weldment inside of which is attached a fine screen. Screens are available in a wide range of hole sizes from .010" to .250" diameters.

Drive. A V-belt drive provides shock protection for the machine, as contrasted with direct-coupled gear motor, should tramp material enter the finisher. A wide range of speeds can be achieved by changing the belts and pulleys.

SPECIFICATIONS: With standard under machine drive.

Overall length	44-3/4"	Height of liquid outlet	15-3/4"	Overall width	21"
Horsepower	2 - 3	Overall height	34-1/2"	Final rpm	270 - 500
Height of inlet	33-1/2"	Size of inlet/outlet tube	3" diameter	Capacity - input	up to 50gpm

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