

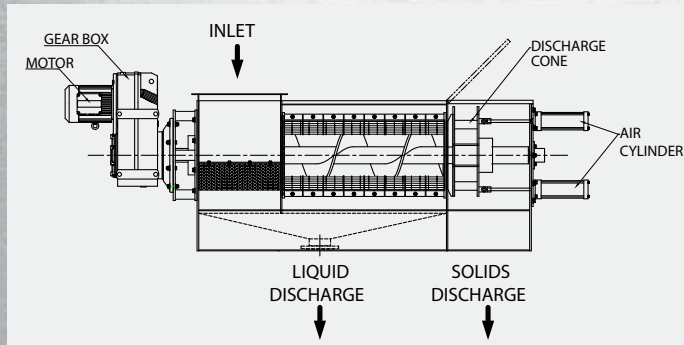
## PPS SERIES Dewatering Press



The IPEC PPS Dewatering Press is designed to extract moisture from solids by compaction. The amount of liquid that can be extracted depends on the type of solids. Typically influent feeds of 1% - 10% solids are pressed to 20% - 45% solids.

### METHOD OF OPERATION

The press extracts liquids by compaction of the slurry against a tubular screen element with perforated round or slotted holes. Solids are retained on the surface areas and liquid is passed through the holes. Compaction occurs as the solids are transported by the screw. The screw is designed so that pressure is gradually increased during transport, which helps in retaining solids. An adjustable pressure plate on the discharge end of the tube sets the final compaction force.



### APPLICATION

The PPS is used in many food industry and pulp and paper processes to extract liquid from solid waste.

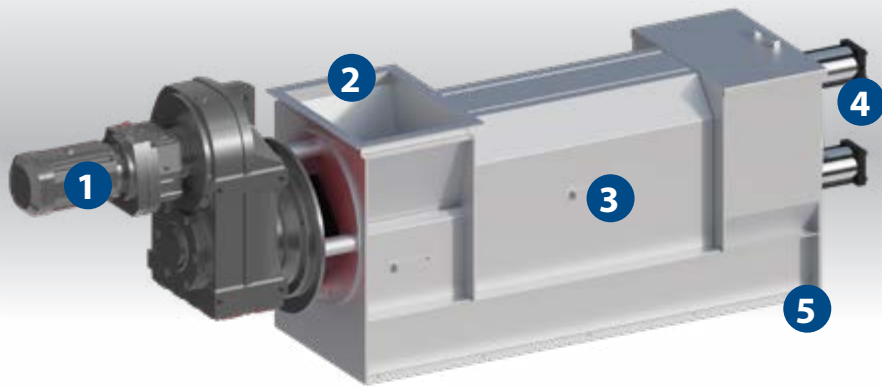
- Fruits and vegetables
- Paunch
- Pulp and paper
- Wood fiber
- Others (corn/potato chips, processed foods, coffee, tobacco, etc.)

The PPS dewatering press may be suitable for many different solids dewatering applications. Standard units are available in 6, 8, 10, 12, 16 and 20-inch models to handle from 1 to 14 cubic yards/hour of wet solids

JWC's test facilities are available to test your sample. Please consult one of our technical sales representatives.







## PPS DETAILS

1. Motor direct-coupled to helical gear reducer
2. Inlet
3. Press screen
4. Pressure plate with pneumatic cylinders
5. Solids discharge



## FEATURES

- 304 stainless steel construction
- Shaft-mounted, TEFC, geardrive motor
- Removable access panels
- Solids discharge
- Adjustable pressure plate and pneumatic controls

## OPTIONS

- 316 stainless steel construction
- Control panel
- Variable frequency drive

PPS Dewatering Press Capabilities					
Model	Diameter - inches (mm)	yd <sup>3</sup> /hr	ft <sup>3</sup> /hr	m <sup>3</sup> /hr	Capacity lbs/hr
PPS 630	6 (152)	0.5 - 1	13.5 - 27	0.4 - 0.8	300 - 1,000
PPS 836	8 (229)	2 - 2.5	54 - 67.5	1.5 - 1.9	900 - 1,400
PPS 1042	10 (254)	3 - 5	81 - 135	2.3 - 3.8	1,500 - 5,000
PPS 1248	12 (305)	5 - 8	135 - 216	3.8 - 6.1	4,000 - 16,000
PPS 1660	16 (406)	8 - 13	216 - 351	6.1 - 9.9	15,000 - 30,000
PPS 2072	20 (508)	13 - 14	351 - 378	9.9 - 11	18,000 - 55,000

This chart is only to be used as a guide. The capacity of the PPS may vary due to the characteristics of the solids material, feed consistency, bulk density and/or on-site testing. For specific sizing inquiries please contact JWC Environmental.



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