

 **ISHIGAKI USA LTD.**

ISHIGAKI SCREW PRESS HIGH FLOW SP-HF



ISHIGAKI USA LTD.
280 HERITAGE AVENUE, UNIT J, PORTSMOUTH, NH 03801

ISHIGAKI has been an innovator in pressure filtration since 1958. ISHIGAKI Screw Press High Flow is our latest and most improved design—the result of our experience successfully operating more than 600 units in industrial and municipal facilities across the globe.

The recently developed and patented mechanical features generate higher dewatering efficiency with comparable feed flow/volume. In municipal sludge, a 10% cake solids increase can be achieved when compared with other screw press performance.

ADVANTAGES OF THE ISHIGAKI SCREW PRESS HIGH FLOW

Continuous high feed flow dewatering with high cake solids concentration:

- Efficient and differentiated design with adjustable operating parameters for varying feed conditions
- Continuous and adjustable pneumatic cake pressure device

No operator attention required:

- Fully automated operation
- Low screw speed (adjustable <1 rpm)
- Highly efficient and consistent flocculation feed system
- Filter screen automatically kept clean while machine is in operation

Small footprint:

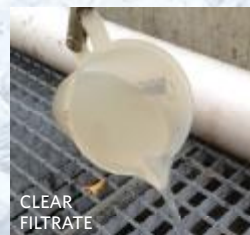
- Low investment cost

Low operating costs when compared with Decanter centrifuges and Beltpress:

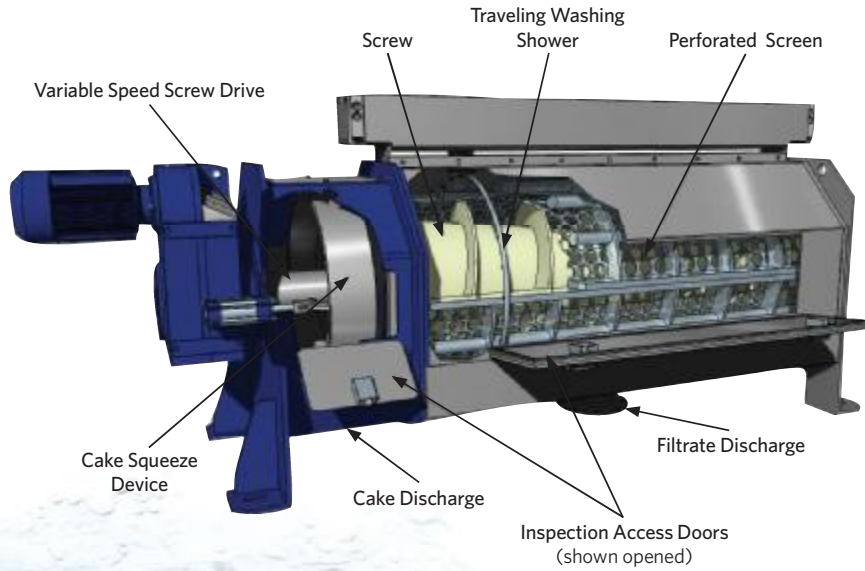
- Robust design and low speed ensures long life with minimum maintenance
- Low dosage polymer feed system
- Low power consumption
- Lower wash water requirement
- Filter screens segmented for easy maintenance
- Flexible screen exchange to accommodate different feed solids
- All wet parts made of stainless steel

Health and safety:

- Low operating noise (<60 dB)
- No vibration
- Totally enclosed for efficient odor removal
- No messy water flow on the floor



MECHANICAL FEATURES



DIMENSIONS AND WEIGHT OF THE ISHIGAKI SCREW PRESS HIGH FLOW

MODELS	LENGTH FT (MM)	WIDTH FT (MM)	HEIGHT FT (MM)	WEIGHT (T)
SP-HF 030	6.5 (2010)	1.6 (500)	2.9 (910)	0.7
SP-HF 040	8.9 (2720)	2.6 (820)	3.5 (1070)	1.2
SP-HF 050	11.1 (3410)	2.7 (850)	4.0 (1240)	2.1
SP-HF 060	13.7 (4185)	3.2 (1000)	4.6 (1415)	3.1
SP-HF 070	16.2 (4940)	3.6 (1100)	4.9 (1515)	4.2
SP-HF 080	17.3 (5280)	4.7 (1440)	6.0 (1840)	6.1
SP-HF 090	20.0 (6105)	5.0 (1530)	6.4 (1980)	7.8
SP-HF 100	21.6 (6605)	5.3 (1630)	6.8 (2080)	9.3
SP-HF 110	23.3 (7105)	5.6 (1730)	7.1 (2180)	10.9
SP-HF 120	24.9 (7605)	6.0 (1830)	7.4 (2280)	12.5
SP-HF 130	26.5 (8105)	6.3 (1930)	7.8 (2380)	14.1

Dimensions subject to change

STANDARD APPLICATIONS

- Municipal sludge: aerobic, anaerobic and mix
- Food & beverage waste and process: DAF floatings, fruits and vegetables processing, meat and fish processing
- Energy: digester, ethanol and manure
- Pulp & paper
- Chemicals

**ISHIGAKI SCREW PRESS SP 0205 (MAX. 55LB/H TS) PILOT UNIT**

Available for purchase and onsite trials.



PRODUCT DETAILS: ■ 11.8 x 4.9 x 5.5' (3,600 x 1,500 x 1,700mm) (L x W x H)

- 3,858lb (1,750kg)
- ELECTRICAL REQUIREMENTS MAX .16A
- 2 INCH SLUDGE CONNECTION

CONTACT
Represented by:

Ishigaki USA Ltd., 280 Heritage Avenue, Unit J, Portsmouth, NH 03801

MABAREX 

2021, rue Halpern, Montréal (Québec) H4S 1S3

T 1 800 636-6721

MABAREX.COM