

BELT PRESSES

The Johnson Screens BFP series of belt presses utilizes a combination of chemical conditioning, gravity drainage and mechanical pressure in a continuous feed system to dewater sludge. The sludge is squeezed between tensioned serpentine belts and a series of decreasing diameter rollers to remove moisture and create a dewatered sludge cake.



Johnson Screens belt presses are manufactured with a belt width ranging from 0.5 to 3 m and with varying levels of automation. Belt presses can be supplied as a free standing unit or as a part of a complete sludge dewatering package, customized to suite any waste treatment needs.

Features include:

- Stainless steel or mild steel construction
- Continuous and fully automatic operation
- Hydraulic or pneumatic drive and positioning systems available
- Open design for ease of maintenance
- High dewatering performance due to efficient roller arrangement
- High quality bearings with airproof bearing seats
- Various levels of automation available

Johnson Screens belt presses can also be supplied with a range of additional equipment, including:

- pH control systems
- Chemical dosing systems
- Chemical mixing systems
- Flocculant injection systems
- Sludge conveying systems
- Sludge conditioning equipment

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Johnson Screens provides a full refurbishing service for belt presses and other wastewater treatment machinery. With a full manufacturing facility and machine shop, Johnson Screens is capable of performing rebuilds and maintenance on all equipment associated with the wastewater industry.

Johnson Screens also manufactures trailer mounted belt press systems for mobile sludge dewatering operations. The trailers are fitted with all of the equipment needed to prepare and dewater sludge in remote locations.

Belt presses have been successfully utilized in the following industrial sectors:

- Municipal plants
- Pulp and paper
- Oil and gas
- Leather industry
- Textile processing
- Food processing
- Steel works and roller mills
- Sugar industry
- Bio-water processing
- Ceramic industry
- Mining industry
- Agricultural industry



BFP BELT PRESS SIZING CHART

BFP Size m	Length mm (in.)	Width mm (in.)	Height mm (in.)
0.5	5,400 (213)	1,500 (59)	1,700 (67)
1.0	5,400 (213)	1,500 (59)	1,700 (67)
1.5	5,600 (219)	1,900 (76)	1,800 (69)
2.0	5,600 (219)	2,400 (95)	1,800 (69)
3.0	5,600 (219)	3,400 (135)	1,800 (69)



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