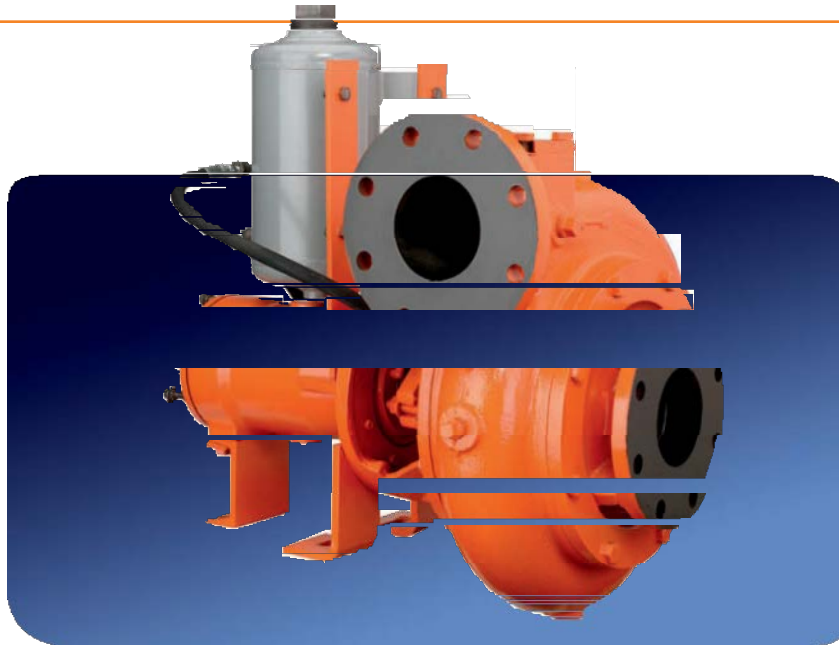




## BSD Series



## Dry Pit Solids Handling Pumps

Designed to handle  
up to 3" solids,  
sludge and stringy  
material

- AG wastewater
- Water reuse
- Dewatering
- Irrigation



### Key Features

- Discharge sizes from 4" to 8"
- Flows up to 5300 gpm
- Pressures up to 350 feet TDH
- Dry run standard
- Double mechanical seal
- Impeller adjustment standard to maintain performance
- Stainless steel wear ring

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# BSD Series Dry Pit Solids Handling Pumps

## Construction Features

- n Dry run standard to protect against damage to the seals
- n Double seal prevent leakage between shaft and sleeve
- n Stainless steel wear ring is more resistant to abrasives
- n Jack bolts allow for external impeller adjustment to maintain pump performance and efficiency
- n Available in efficient radial flow, non-clog two-vane impellers with blunt, well-rounded leading vanes and a thick hydrofoil shape to pass large solids and long stringy material.
- n Heavy-duty, high strength manganese steel shafts are rated for 100,000 psi tensile strength and 75,000 psi yield strength.
- n One-piece, thick-walled circular volute has rounded fluid passages designed to transport any size solid that passes through the impeller.
- n Heavy-duty cast iron bearing frames are machined to assure accurate alignment and long bearing life.

## materials of construction

Part Name	Common Material	Specification
Volute	Cast Iron	A48-CL30
Impeller	Cast Iron	A48-CL30
Shaft	Steel	A311, Class B, Grade 1141 or 1144 (3)
Sleeve, shaft	Stainless Steel	A743 GR CA-40, (MOD) (9)
Fronthead	Cast Iron	A48-CL30
Backhead	Cast Iron	A48-CL30
Housing, radial bearing	Cast Iron	A48-CL30
Gasket, volute	Tag Board	F104
Wear ring, fronthead	Stainless Steel	A743 GR CA-40, (MOD) (9)

## Performance curves

