

BERKELEY® BSW SERIES SUBMERSIBLE SOLIDS HANDLING PUMPS

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

Applications

- ▶ AG waste
- ▶ Slurry transfer
- ▶ Tailwater recovery and reuse

Key Features

- ▶ 4" Flanged discharge size
- ▶ Flows up to 1000 gpm
- ▶ Pressures up to 70 feet TDH
- ▶ Continuous duty motor
- ▶ Stainless steel wear ring
- ▶ 100,000 Hour bearing life



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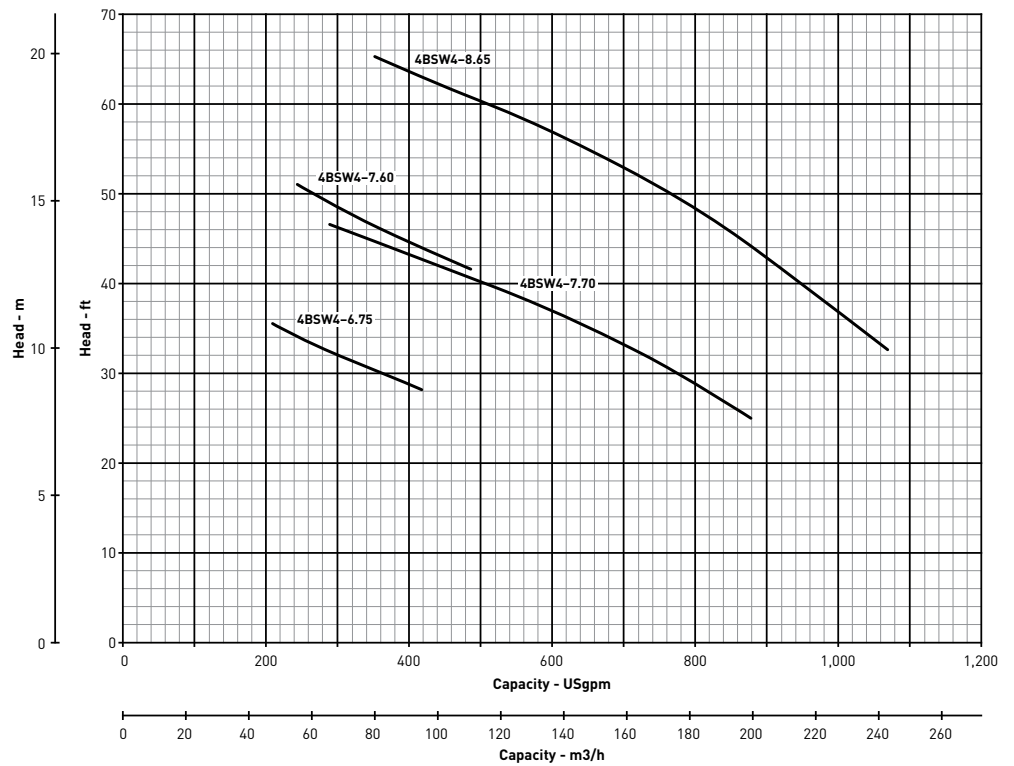
Construction Features

- ▶ Moisture detector detects moisture entering seal cavity and transmits signal to controller
- ▶ Continuous duty motor for outstanding reliability
- ▶ Stainless steel wear ring – more resistant to abrasives
- ▶ 100,000 Hour bearing life ensures long pump life
- ▶ A heavy cast iron motor frame houses the silicon steel laminations of the stator and a reliable die-cast rotor in a high efficiency motor design
- ▶ High-quality one piece shaft
- ▶ Two separate mechanical seals protect the motor from the pumpage for added reliability
- ▶ Impellers have blunt, well-rounded leading edges and a thick hydro-foil shape. Impellers are a two-vane design to pass large solids and stringy material
- ▶ Electrical power and control cable assemblies are epoxy sealed at the motor's entry point
- ▶ Automatic resetting thermostats are imbedded in the motor windings
- ▶ A power and control cable terminal board ensures positive wire connections and provides an additional seal between hostile environment and motor windings

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
Gasket, volute	Tag Board	F104
Wear ring, fronthead	Stainless Steel	A743 GR CA-40, (MOD) 410-484 Brinell

Performance Curves



293 WRIGHT STREET, DELAVAN, WI 53115 WWW.BERKELEYPUMPS.COM
 PH: 888-237-5353 ORDERS FAX: 800-321-8793

Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.