



ITT

Bulletin E-150

Bell & Gossett Engineered Wastewater Product Line



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Engineered for life



2DES

SUBMERSIBLE EFFLUENT PUMP

2" NPT Discharge
3/4" Solids Handling

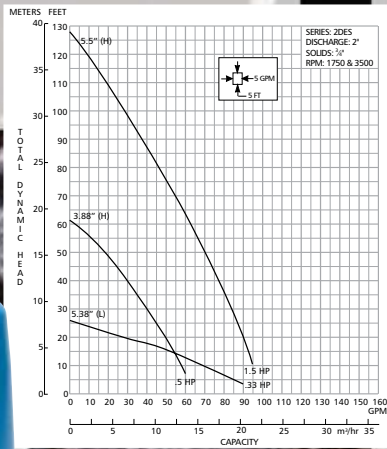
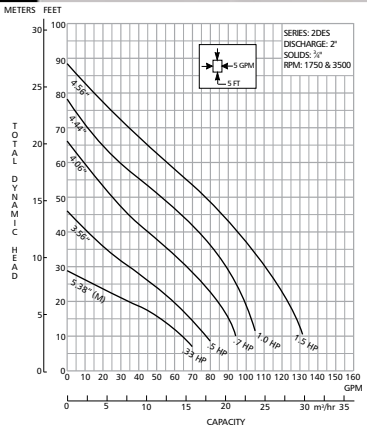
APPLICATIONS

Specifically designed for the following uses:

- Farms
- Motels
- Hospitals
- Effluent systems
- Trailer courts
- Schools
- Industry

SPECIFICATIONS

- Dual Seal
- Solids handling capabilities: 3/4" maximum.
- Discharge size: 2" NPT.
- Capacities: up to 130 GPM.
- Total heads: up to 128 feet TDH.
- See Model Information for specific HP, voltage, phase and RPM's available.



2DWC

SUBMERSIBLE NON-CLOG SEWAGE PUMP

2" NPT Discharge
2" Solids Handling

APPLICATIONS

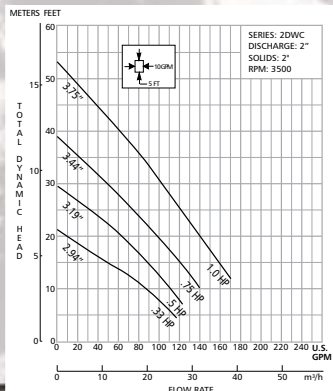
Specifically designed for the following uses:

- Sewage systems
- Dewatering/Effluent
- Water transfer
- Light industrial
- Commercial applications

Anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

SPECIFICATIONS

- Dual Seal
- Solids handling capabilities: 2" maximum.
- Capacities: up to 170 GPM.
- Total heads: up to 54 feet TDH.
- Discharge size: 2" NPT threaded companion flange as standard. 3" option available but must be ordered separately. (Order no. A1-3).
- See Model Information for specific HP, voltage, phase and RPMs available.



2DWS

SUBMERSIBLE NON-CLOG SEWAGE PUMP

2" NPT Discharge
2" Solids Handling

APPLICATIONS

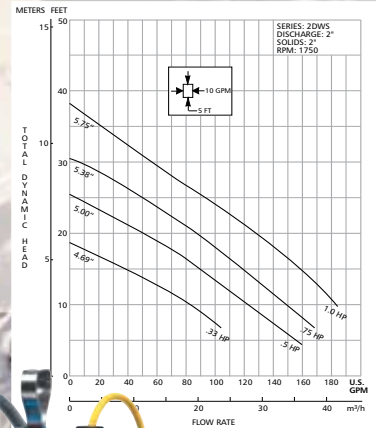
Specifically designed for the following uses:

- Sewage systems
- Dewatering/Effluent
- Water transfer
- Light industrial
- Commercial applications

Anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

SPECIFICATIONS

- Dual Seal
- Solids handling capabilities: 2" maximum.
- Capacities: up to 183 GPM.
- Total heads: up to 38 feet TDH.
- Discharge size: 2" NPT threaded companion flange as standard. 3" option available but must be ordered separately. (Order no. A1-3).
- Temperature: 104° F (40° C) continuous, 140°F (60°C) intermittent.
- See Model Information for specific HP, voltage, phase and RPMs available.





3DWS

SUBMERSIBLE SEWAGE PUMP

3" Flanged Discharge
2 1/2" Solids Handling

APPLICATIONS

Used in a variety of residential, commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering/Effluent
- Farms
- Hospitals
- Trailer courts
- Motels

SPECIFICATIONS

Pump:

- Maximum solid size: 2.5".
- Discharge Size: 3", 125# ANSI flange.
- Maximum capacity: 470 GPM.
- Maximum Total Head: 65 feet.
- 300 Series stainless steel fasteners.
- 20' Power cord.
- Standard silicon carbide/silicon carbide outer (lower) seals.

Motor:

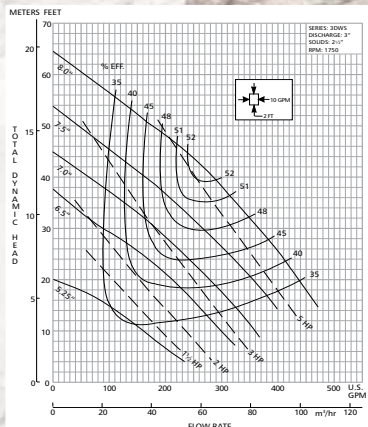
- Insulation: Class F.
- RPM: 1750, 60 Hertz.
- Single row ball bearings.
- 300 Series stainless steel keyed shaft.

Single Phase:

- 1.5 – 5 HP, 208 and 230 volts.
- On-winding, built-in thermal overloads.
- Built-in capacitors.

Three Phase:

- 1.5 – 5 HP.
- 200, 230, 460 and 575 volts.
- Overload protection must be provided in control panel.



3XWS

EXPLOSION PROOF SUBMERSIBLE SEWAGE PUMP

3" Flanged Discharge
2 1/2" Solids Handling

APPLICATIONS

Designed for a variety of hazardous commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering and effluent
- Hospitals
- Trailer courts
- Hotels and motels

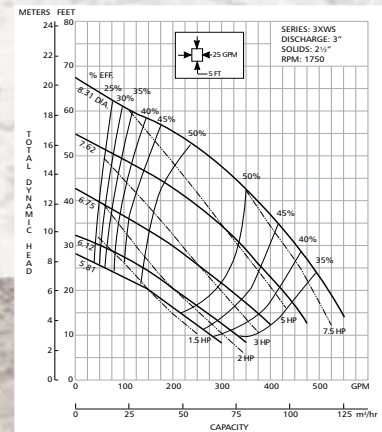
SPECIFICATIONS

Pump:

- Maximum solid size: 2.5".
- Discharge size: 3" 125 # ANSI Flange.
- Maximum capacity: 550 GPM.
- Maximum total head: 67'.

Motor:

- HP range: Single phase: 1.5 to 3 HP, Three phase: 1.5 to 7.5 HP.
- 60 Hz Voltages available: Single phase: 230, Three phase: 200, 230, 460 and 575.
- Insulation: Class F.
- Air filled motors.
- Single row ball bearings.
- Listed by UL and CSA for Explosion Proof, Class 1, Division 1, Groups C and D.





4DWS

SUBMERSIBLE SEWAGE PUMP

4" Flanged Discharge / 3" Solids Handling

APPLICATIONS

Used in a variety of residential, commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering/Effluent
- Trailer courts
- Farms
- Hospitals
- Motels

SPECIFICATIONS

Pump:

- Maximum solid size: 3".
- Discharge Size: 4", 125# ANSI flange.
- Maximum capacity: 620 GPM.
- Maximum Total Head: 60 feet.
- 300 Series stainless steel fasteners.
- 20' Power cord.
- Standard silicon carbide/silicon carbide outer (lower) seals.

Motor:

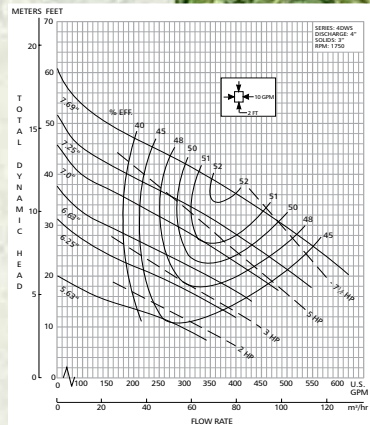
- Insulation: Class F.
- RPM: 1750, 60 Hertz.
- Single row ball bearings.
- 300 Series stainless steel keyed shaft.

Single Phase:

- 1.5 – 5 HP, 208 and 230 volts.
- On-winding, built-in thermal overloads.
- Built-in capacitors.

Three Phase:

- 1.5 – 7.5 HP.
- 200, 230, 460 and 575 volts.



4XWS

EXPLOSION PROOF SUBMERSIBLE SEWAGE PUMP

4" Flanged Discharge
3" Solids Handling

APPLICATIONS

For a variety of hazardous commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Dewatering and effluent
- Hospitals
- Trailer courts
- Hotels and motels

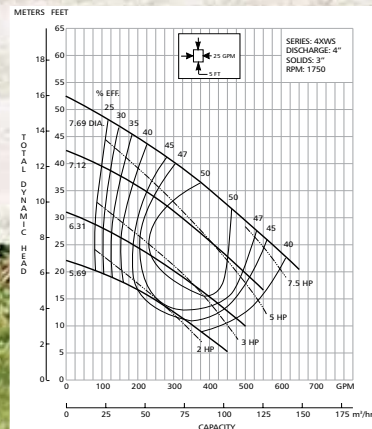
SPECIFICATIONS

Pump:

- Maximum solid size: 3.0".
- Discharge size: 4" 125 # ANSI Flange.
- Maximum capacity: 650 GPM.
- Maximum total head: 52'.

Motor:

- HP range: Single phase: 2 to 3 HP, Three phase: 2 to 7.5 HP.
- 60 Hz Voltages available: Single phase: 230, Three phase: 200, 230, 460 and 575.
- Insulation: Class F.
- Air filled motors.
- Single row ball bearings.
- Listed by UL and CSA for Explosion Proof, Class 1, Division 1, Groups C and D.



4XWC

SUBMERSIBLE EXPLOSION PROOF SEWAGE PUMP

4" Flanged Discharge / 3" Solids Handling

APPLICATIONS

Heavy duty design features for a wide range of explosion proof commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Industrial dewatering
- Waste water treatment plants
- Municipal and subdivision lift stations

SPECIFICATIONS

Pump:

- Solids handling capabilities: 3" maximum.
- Discharge size: 4" 125# ANSI flanged.
- Capacities: up to 1160 GPM.
- Total heads: up to 140 feet.
- Minimum flow: 100 GPM.
- Maximum flow: end of published curve.
- Mechanical seals: 316 stainless steel metal parts, BUNA-N elastomers, with carbon-ceramic/carbon ni-resist faces. (Optional hard faced seals available.)
- Fasteners: 300 series stainless steel.

Motor:

- **Explosion Proof Motor:** The NEMA frame motor is certified explosion proof, for Class I, Division I, Groups C and D locations.
- Three phase only: 7½–40 HP; 200, 230, 400, 460 and 575 volt, 60 Hz.
- Shaft 400 series stainless steel.
- Air filled motors.
- Class F insulation.
- Two (2) on winding pilot duty thermal sensors.
- Power cord: 25 foot standard. 50 foot option. 4 conductor.
- Sensor cord: 25 foot standard. 50 foot option.
- Available in both 1150 and 1750 RPM.

4DWC

SUBMERSIBLE NON-CLOG SEWAGE PUMP

4" Flanged Discharge / 3" Solids Handling

APPLICATIONS

Heavy duty design features for a wide range of commercial and industrial applications such as:

- Sewage systems
- Flood and pollution control
- Industrial dewatering
- Waste water treatment plants
- Municipal and subdivision lift stations

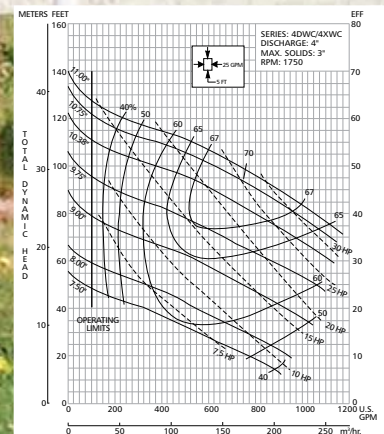
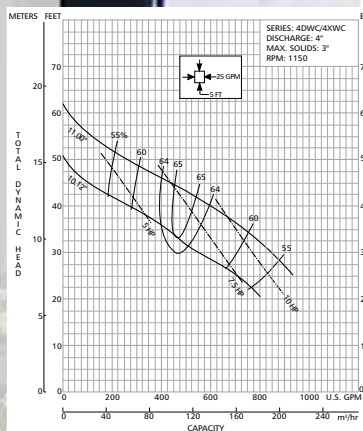
SPECIFICATIONS

Pump:

- Solids handling capabilities: 3" maximum.
- Discharge size: 4" 125# ANSI flanged.
- Capacities: up to 1160 GPM.
- Total heads: up to 140 feet.
- Minimum flow: 100 GPM.
- Maximum flow: end of published curve.
- Mechanical seals: 316 stainless steel metal parts, BUNA-N elastomers, with carbon-ceramic/carbon ni-resist faces. (Optional hard faced seals available.)
- Fasteners: 300 series stainless steel.

Motor:

- Three phase only: 7½–40 HP; 200, 230, 400, 460 and 575 volt, 60 Hz.
- Shaft 400 series stainless steel.
- Air filled motors.
- Class F insulation.
- Two (2) on winding pilot duty thermal sensors.
- Power cord: 25 foot standard. 50 foot option. 4 conductor.
- Sensor cord: 25 foot standard. 50 foot option.
- Available in both 1150 and 1750 RPM.





12GS

SUBMERSIBLE GRINDER PUMP

1 1/4" NPT Discharge

APPLICATIONS

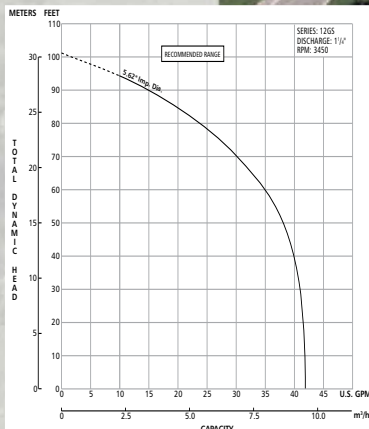
Designed for high head residential sewage applications where a gravity system is not practical. Ideal for pressure sewage systems.

SPECIFICATIONS

- Capacities: to 41 GPM.
- Total heads: to 95' TDH.
- Discharge: 1 1/4" NPT.
- Single mechanical seal: Silicon carbide rotary/silicon carbide stationary, 300 series stainless steel metal parts, BUNA-N elastomers.
- Fasteners: 300 series stainless steel.
- Rotating cutter and cutter ring: 440 C hardened stainless steel.

Motor:

- Single phase: 2 HP, 60 Hz, 3450 RPM, 208/230V, capacitor start with on winding thermal protector.
- **No external capacitor kits required.**
- Class F insulation.
- Shaft: 300 series stainless steel threaded design.
- Bearings: ball bearings upper and lower.
- Power cord: 20 feet standard 14/3 STOW with bare leads. Optional lengths available.



12GDS

SUBMERSIBLE GRINDER PUMP

1 1/4" NPT Discharge

APPLICATIONS

Designed for high head sewage applications where a gravity system is not practical. Ideal for pressure sewage systems.

SPECIFICATIONS

Pump

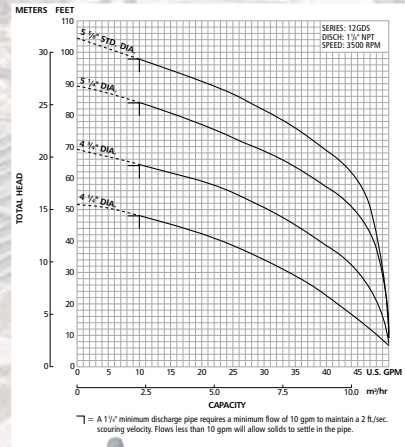
- Solids handling capabilities: 3" maximum.
- Discharge size: 1 1/4" flanged.
- Capacities: up to 40 GPM.
- Total heads: up to 106 feet TDH.

Single Phase:

- 2 HP, 60 Hz, 3450 RPM, 230V.
- Capacitor start, capacitor run.
- Requires external capacitors and relay.

Three Phase:

- 2 HP
- 200, 230, 460 and 575 Volts.



PACKAGED GRINDER SYSTEMS

WASTEWATER PACKAGES

Pump Kits • Basin Kits

APPLICATIONS

Designed for high head sewage applications where a gravity system is not practical. Ideal for pressure sewage systems.

SPECIFICATIONS

Choose any of the grinder pumps shown and combine with basin, piping, level switches and control panel to complete the package.

Basin sizes to meet your specifications.



15GDS/20GDS

SUBMERSIBLE GRINDER PUMP

1½" / 2" NPT Discharge

APPLICATIONS

High head and pressure sewage systems for:

- Municipal
- Commercial
- Industrial

SPECIFICATIONS

Pump:

15GDS:

- Discharge Size: 1½"
- Maximum Capacity: 92 GPM.
- Maximum Total Head: 117' TDH.

20GDS:

- Discharge Size: 2"
- Maximum Capacity: 198 GPM.
- Maximum Total Head: 178' TDH.
- Tandem mechanical seals: see Application data for details.
- Fasteners: 300 series stainless steel.
- Rotating cutter: chrome alloyed cast iron.
- Cutter ring: hardened 316L stainless steel.
- Cast iron parts are ASTM A-48, Class 35B.

Motor:

- Air-filled design, NEMA type B, Class F insulation, 60 Hertz.
- Shaft: 400 series stainless steel, taper collet design.
- Ball bearings: oversized, pre-greased upper and lower ball bearings.
- Power cord: 30 feet standard, single jacket, 7 conductor combination power and control cable. Optional 100 foot lead is available.

Single Phase:

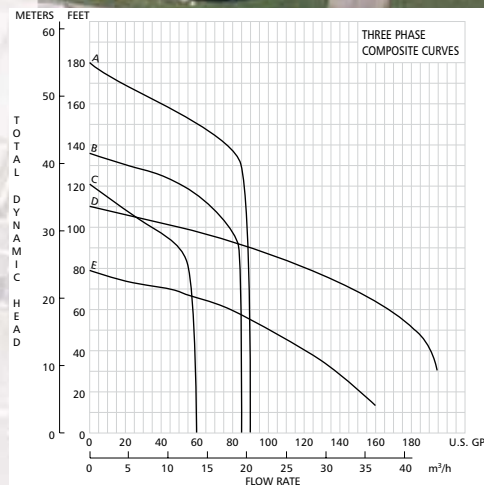
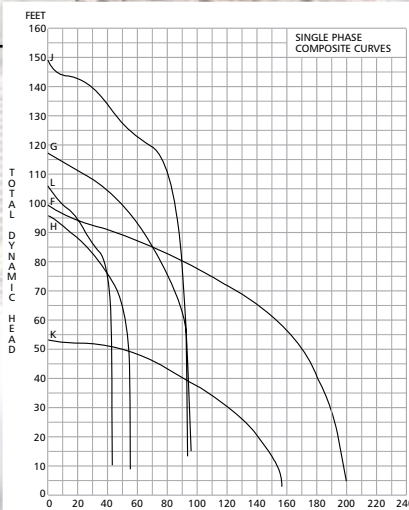
- 230 Volts. • 2, 3 and 5 HP.

Notice: Single phase pumps require a capacitor pack for proper operation.

Three Phase:

- 200, 230, 460 and 575 Volts.
- 3, 5, and 7.5 HP

Note: Also available in Explosion Proof.





2DS

SUBMERSIBLE DEWATERING PUMP

2" NPT Discharge
 $\frac{3}{8}$ " Solids Handling

APPLICATIONS

Specifically designed to remove water from:

- Drainage ditches
- Trenches
- Basements
- Manholes
- Excavating drainage in the building trades

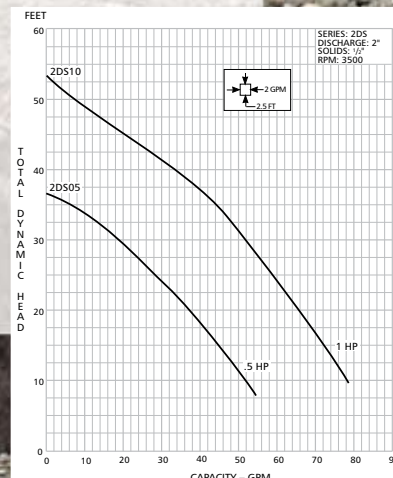
SPECIFICATIONS

Pump:

- Discharge size: 2" threaded hose coupling design.
- Capacities: up to 80 GPM.
- Total heads: up to 52 feet.
- Max. solids: any particles passing through strainer.
- Mechanical seals: outer seal – silicon carbide, inner seal – carbon ceramic.
- Temperature limit: 95° F (35° C) maximum.

Motor:

- Single phase: 3500 RPM, $\frac{1}{2}$ HP and 1 HP, 115 V and 230 V, 60 Hz.
- Built-in starter with full overload and temperature protection.
- Class F insulation.
- Air filled design.
- Upper and lower heavy duty ball bearing construction.
- Power cord: 50 feet.



MIGHTY LITE[®]

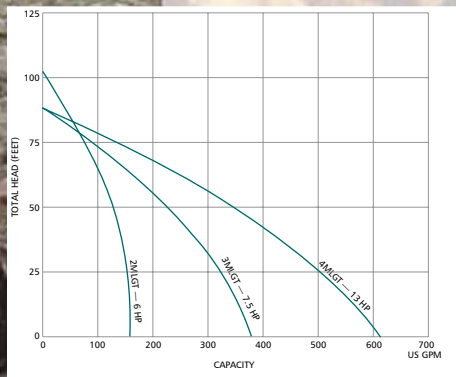
GASOLINE ENGINE-DRIVEN SELF-PRIMING CENTRIFUGAL PUMPS

FEATURES

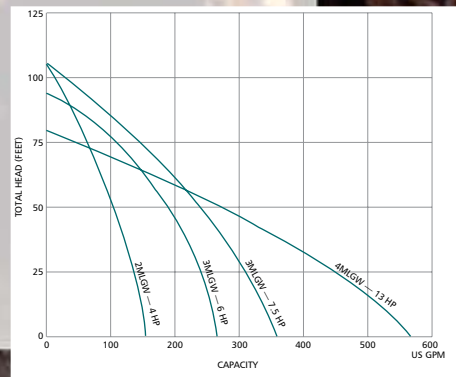
- Portable, Lightweight, Compact Design.
- Die Cast Aluminum Casing and Engine Housing.
- Rugged Cast Iron Impeller and Volute.
- Reliable Honda GX Engine.
- Trouble Free Mechanical Seal, Carbon/Silicon/Buna-N.
- Replaceable Discharge and Suction Connection.
 - BSPT and NPT Aluminum Connections.
 - Multi-Position Discharge Connection.
- Heavy-Duty, Cage Mounted.
- Standard Strainer Basket Included.
- Water and Trash Models Available.

OPTIONS

- Skid Mounts.
- Wheel Kit.
- Hard Faced Mechanical Seals.



TRASH PUMPS



WATER HANDLING PUMPS

CentriProTM ACCESSORIES

PANELS
FLOAT
SWITCHES
BASINS/
COVERS
PUMP
REMOVAL
SYSTEM
FITTINGS

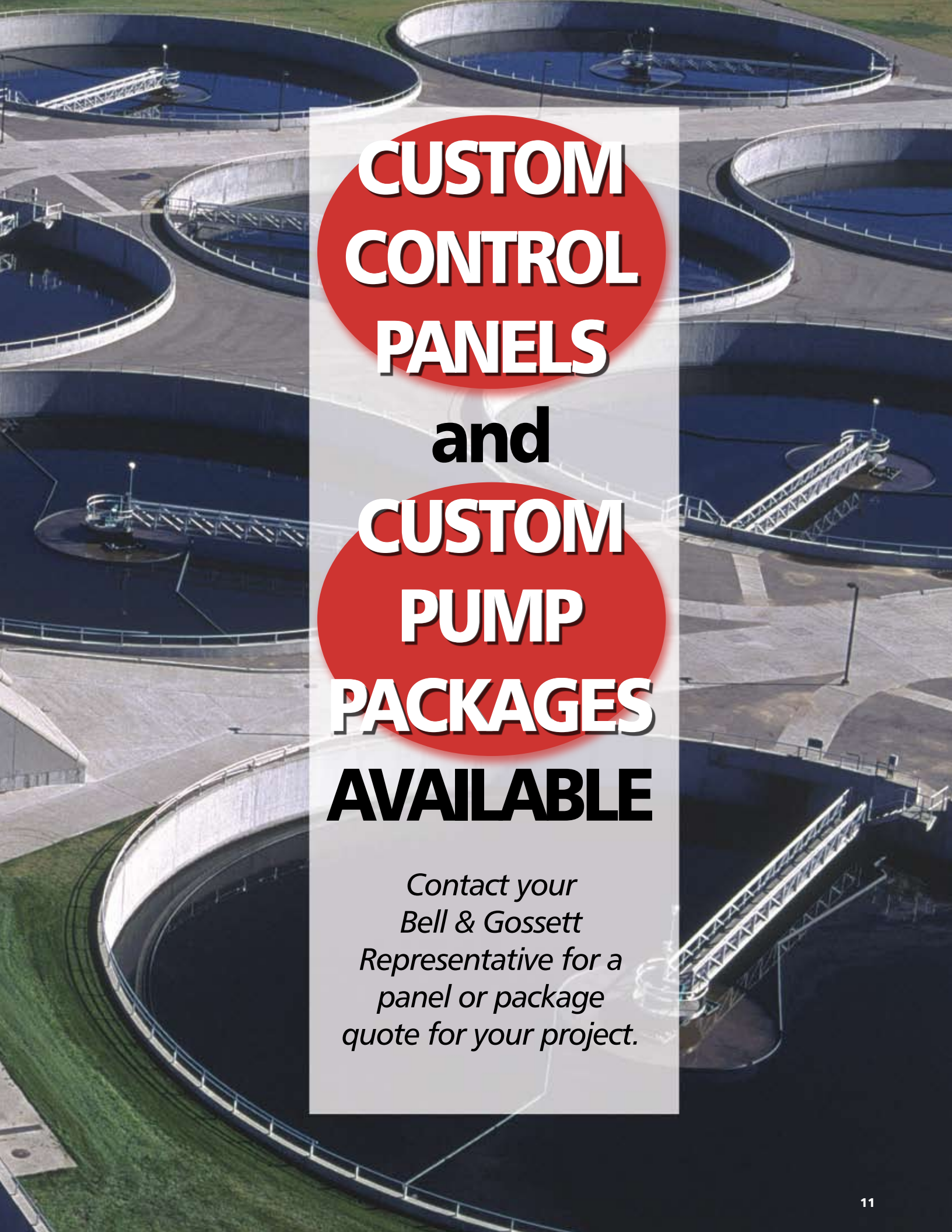


CentriProTM CUSTOM CONTROL PANELS

Bell & Gossett can provide all your custom control panel needs. Send us your control specifications and let us provide you a quick response quote.

If your needs are for one custom panel or hundreds, we can provide best quality, competitive pricing and timely delivery.





**CUSTOM
CONTROL
PANELS
and
CUSTOM
PUMP
PACKAGES
AVAILABLE**

*Contact your
Bell & Gossett
Representative for a
panel or package
quote for your project.*



ITT

Bell & Gossett also manufactures Centrifugal Pumps, Residential Circulators, Hydronic Accessories, Valves and Packaged Systems.

 <p>Triple Duty® Valve</p>	 <p>Technologic® 5500 Pump Package</p>	 <p>1510® Centrifugal Pump</p>	 <p>Maintenance-Free Circulators</p>
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Domestic Pump manufactures condensate transfer equipment for steam systems.
www.domesticpump.com



Domestic Pump Condensate Transfer Package

McDonnell & Miller manufactures boiler controls, flow switches and liquid level controls.
www.mcdonnellmiller.com



McDonnell & Miller Low Water Cut-Off

Hoffman Specialty manufactures steam traps, regulators and valves.
www.hoffmanspecialty.com



Hoffman Steam Traps

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