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**A.O. SMITH**  
Gas Water Heaters  
ProMax™ - Residential

Natural gas or propane. DynaClean™ automatic sediment cleaning system. Tamper-resistant brass drain valves. Corrosion-resistant PermaGlas® coating. Includes T&P valve. Six year warranty on tank and parts.

GAS WATER HEATERS - TALL MODEL

| No.      | Gp #   | Cap. Gal. | Gas Type    | Input Btu/h | Dia. x Ht. In.  | Vent Size In. |
|----------|--------|-----------|-------------|-------------|---|---------------|
| GCV-30   | 066410 | 28        | Natural Gas | 40,000      | 16 x 59 <sup>5</sup> / <sub>8</sub>                             | 3             |
| GCV-40LP | 068843 | 38        | Propane     | 40,000      | 18 <sup>1</sup> / <sub>2</sub> x 57 <sup>5</sup> / <sub>8</sub> | 3             |
| GCV-40   | 066411 | 38        | Natural Gas | 40,000      | 18 <sup>1</sup> / <sub>2</sub> x 57 <sup>5</sup> / <sub>8</sub> | 3             |
| GCV-50LP | 067145 | 50        | Propane     | 40,000      | 20 x 60 <sup>7</sup> / <sub>8</sub>                             | 3             |
| GCV-50   | 066412 | 50        | Natural Gas | 40,000      | 20 x 60 <sup>7</sup> / <sub>8</sub>                             | 3             |

GAS WATER HEATERS - SHORT MODEL

| No.     | Gp #   | Cap. Gal. | Gas Type    | Input Btu/h | Dia. x Ht. In.  | Vent Size In. |
|---------|--------|-----------|-------------|-------------|---|---------------|
| GCVL-30 | 067133 | 30        | Natural Gas | 40,000      | 18 <sup>1</sup> / <sub>2</sub> x 43 <sup>3</sup> / <sub>4</sub> | 3             |
| GCVL-40 | 067132 | 40        | Natural Gas | 40,000      | 20 x 47 <sup>1</sup> / <sub>4</sub>                             | 3             |



**A.O. SMITH**  
Gas Water Heaters

Power House™ Power Shot™ - Powered Sidewall or Vertical Vent - Residential

Natural gas or propane. CoreGard™ aluminum anode. Honeywell SmartValve® incorporates gas valve, ignition control, blower control, thermostat, and high limit into one with LED indicator and diagnostics. Use PVC, CPVC or ABS vent piping. Hot surface ignition. Includes T&P valve. Installed galvanized plastic-lined pipe nipples. Six year warranty on tank and parts.

| No.       | Gp #   | Cap. Gal. | Gas Type    | Input Btu/h | Dia. x Ht. In.   | Vent Size In. |
|-----------|--------|-----------|-------------|-------------|--|---------------|
| GPSH-40   | 023469 | 40        | Natural Gas | 40,000      | 18 <sup>1</sup> / <sub>4</sub> x 55                              | 2 or 3        |
| GPSH-40LP | 058345 | 40        | Propane     | 40,000      | 18 <sup>1</sup> / <sub>4</sub> x 55                              | 2 or 3        |
| GPSH-50   | 023470 | 50        | Natural Gas | 46,000      | 20 <sup>1</sup> / <sub>4</sub> x 56 <sup>1</sup> / <sub>2</sub>  | 2 or 3        |
| GPSH-50LP | 058346 | 50        | Propane     | 40,000      | 20 <sup>1</sup> / <sub>4</sub> x 56 <sup>1</sup> / <sub>2</sub>  | 2 or 3        |
| FPSH-75   | 037839 | 74        | Natural Gas | 76,500      | 25 <sup>1</sup> / <sub>2</sub> x 66 <sup>5</sup> / <sub>16</sub> | 3 or 4        |



**A.O. SMITH**  
Gas Water Heaters

Power House™ Sealed Shot™ - Direct Vent - Residential

Natural gas. Combines power venting with closed combustion. Top or side intake and exhaust venting. Use PVC, CPVC, or ABS piping. SmartValve® system incorporates gas valve, ignition control, blower control, thermostat, and high limit into one with LED indicator and diagnostics. Hot surface ignition. Six year warranty on tank and parts. Includes T&P valve.

| No.     | Gp #   | Cap. Gal. | Input Btu/h | Dia. x Ht. In. | Vent Size In. |
|---------|--------|-----------|-------------|----------------|---------------|
| GPDH-40 | 058351 | 40        | 40,000      | 21 x 57        | 3             |
| GPDH-50 | 058352 | 50        | 40,000      | 21 x 66        | 3             |





## A.O. SMITH Gas Water Heaters

ProMax™ Plus - High Recovery - Residential

Natural gas. Polyurethane foam insulation. High temperature dip tube. Corrosion-resistant glass lining. Anode rod. Installed nonmetallic drain valve. Includes T&P valve. Six year warranty on tank and parts.

| No.     | Gp #   | Cap. Gal. | Input Btu/h | Dia. x Ht. In. | Vent Size In. |
|---------|--------|-----------|-------------|----------------|---------------|
| GCVT-50 | 067134 | 48        | 50,000      | 20 x 56½       | 3             |
| GCG-65  | 067463 | 65        | 65,000      | 22 x 59½       | 3             |
| FCG-75  | 067189 | 74        | 75,100      | 26½ x 61       | 4             |
| FCG-100 | 067188 | 98        | 75,100      | 26½ x 68½      | 4             |



## A.O. SMITH Gas Water Heaters

Conservationist® - Residential - Premium High Efficiency - Extra High Recovery

Natural gas. PermaGlas® coating. PermaFoam™ insulation. DynaClean™ automatic sediment cleaning system. Heavy-duty cast burner. Tamper resistant drain valves. Built-in heat traps. Includes T&P valve. Magnesium CoreGard™ stainless steel core anode rod. Non-linting energy saving pilot. Standing pilot safety shutoff. Ten year warranty on tank, six year on parts.

| No.     | Gp #   | Cap. Gal. | Input Btu/h | Dia. x Ht. In. | Vent Size In. |
|---------|--------|-----------|-------------|----------------|---------------|
| PCG-75  | 012221 | 74        | 75,100      | 26½ x 61       | 4             |
| PCG-100 | 012222 | 98        | 75,100      | 26½ x 68¾      | 4             |



## A.O. SMITH Gas Water Heaters

Conservationist® - Commercial - Tank-Type

Natural gas. Glass lined tank. Heavy gauge steel jacket. Baked enamel finish over bonderized undercoat. Foam insulation. Fixed automatic gas shutoff. Automatic controls with fixed gas shutoff. No electrical connections required. Certified for installation on combustible flooring. Factory assembled. Low profile diverter. Anodic protection. Equipped with gas pressure regulator. Factory installed AGA/ASME rated temperature and pressure relief valve. Handhole cleanout. Working press., 150 psi max. Inlet press., 14" WC max. Not suitable for 180° sanitizing. Three year warranty.

| No.    | Gp #   | Cap. Gal. | Input Btu/h | OD x Ht. In. | Vent Size In. | Wt. Lb. |
|--------|--------|-----------|-------------|--------------|---------------|---------|
| BT-65  | 012267 | 65        | 65,000      | 22 x 63¼     | 4             | 176     |
| BT-80  | 012268 | 74        | 75,100      | 26½ x 61     | 4             | 332     |
| BT-100 | 012269 | 98        | 75,100      | 26½ x 68½    | 4             | 394     |



## A.O. SMITH Electric Water Heaters

ProMax® - Energy Saver - Residential

Thick polyurethane foam insulation. High temperature dip tube. Corrosion-resistant glass lining. Zinc plated, copper sheath elements. Anode rod. Installed nonmetallic drain valve. Includes T&P valve. Six year warranty on tank, two years on parts.

| No.    | Gp #   | Cap. Gal. | Element Wattage Std.<br>240 V Upper/Lower | Element Wattage Max.<br>240 V Upper/Lower | Model Type | Dia. x Ht. In. |
|--------|--------|-----------|---|---|------------|----------------|
| ECS-30 | 069497 | 30        | 4,500/4,500                               | 6,000/6,000                               | Short      | 20½ x 36½      |
| ECS-40 | 069498 | 40        | 4,500/4,500                               | 6,000/6,000                               | Short      | 20½ x 44       |
| ECT-30 | 069499 | 30        | 4,500/4,500                               | 6,000/6,000                               | Tall       | 18 x 46½       |
| ECT-52 | 069500 | 50        | 4,500/4,500                               | 6,000/6,000                               | Tall       | 20½ x 54       |

| No.     | Gp #   | Cap. Gal. | Element Wattage Std. 240 V Upper/Lower | Element Wattage Max. 240 V Upper/Lower | Model Type | Dia. x Ht. In.                      |
|---------|--------|-----------|--|--|------------|-------------------------------------|
| ECT-66  | 069501 | 66        | 4,500/4,500                            | 6,000/6,000                            | Tall       | 22 x 60 <sup>1</sup> / <sub>4</sub> |
| ECT-80  | 069502 | 80        | 4,500/4,500                            | 6,000/6,000                            | Tall       | 24 x 60 <sup>1</sup> / <sub>2</sub> |
| ECT-120 | 069505 | 120       | 4,500/4,500                            | 6,000/6,000                            | Tall       | 28 x 64 <sup>1</sup> / <sub>4</sub> |



**A.O. SMITH  
Electric Water Heaters**

Lowboy - Residential - Point-of-Use

Thick polyurethane foam insulation. High temperature dip tube. Corrosion-resistant glass lining. Zinc plated, copper sheath electric elements. Aluminum anode rod. Installed nonmetallic drain valve. Includes T&P valve. Side connect. Six year warranty on tank and parts.

| No.     | Gp #   | Cap. Gal. | Std. Input KW | Voltage | OD x Ht. In. |
|---------|--------|-----------|---------------|---------|--------------|
| ELSC-10 | 069493 | 10        | 1.5           | 120     | 18 x 18      |
| ELJ-30  | 069504 | 30        | 4.5           | 240     | 22 x 30      |



**A.O. SMITH  
Electric Water Heaters**

ProMax® - Lowboy - Top Connect - Residential

Thick polyurethane foam insulation. High temperature dip tube. Corrosion-resistant glass lining. Zinc plated, copper sheath elements. Anode rod. Installed nonmetallic drain valve. Includes T&P valve. Six year warranty on tank, two years on parts.

| No.                    | Gp #   | Cap. Gal. | Element Wattage Std. 240 V Upper/Lower | Element Wattage Max. 240 V Upper/Lower | Dia. x Ht. In.  |
|------------------------|--------|-----------|--|--|---|
| ELJC-2 <sup>(1)</sup>  | 069490 | 2         | .....                                  | .....                                  | 10 x 12 <sup>3</sup> / <sub>4</sub>                             |
| ELJC-4 <sup>(1)</sup>  | 069492 | 4         | .....                                  | .....                                  | 10 x 20   |
| ELJC-6 <sup>(1)</sup>  | 069503 | 6         | 1,500 D 120V                           | 2,500 D                                | 14 <sup>1</sup> / <sub>4</sub> x 15 <sup>1</sup> / <sub>2</sub> |
| ELJC-15 <sup>(1)</sup> | 069489 | 15        | 1,500 D 120V                           | 2,500 D                                | 14 <sup>1</sup> / <sub>4</sub> x 32 <sup>1</sup> / <sub>4</sub> |
| ELJC-20 <sup>(1)</sup> | 069491 | 19        | 2,500 D 120V                           | 6,000                                  | 18 x 32 <sup>1</sup> / <sub>4</sub>                             |
| ECL-30                 | 069494 | 30        | 4,500/4,500                            | 6,000/6,000                            | 22 x 30   |
| ECL-40                 | 069495 | 40        | 4,500/4,500                            | 6,000/6,000                            | 25 x 32 <sup>1</sup> / <sub>4</sub>                             |
| ECL-50                 | 069496 | 50        | 4,500/4,500                            | 6,000/6,000                            | 26 <sup>1</sup> / <sub>2</sub> x 34                             |

<sup>(1)</sup> Single element models - Std. 120 Volts.



**A.O. SMITH  
Gas Water Heaters**

MasterFit® - Commercial - Tank-Type

Natural gas. 80+ % thermal efficiency. Permaglas® Ultracoat lined tank. Foam insulation. Heavy gauge steel, baked enamel finish over bonderized undercoat jacket. Fully automatic controls, safety shutoff. Handhole cleanout. Power on/off switch. Intermittent ignition device. Factory assembled. Factory installed and tested draft diverter. CoreGard™ long-life, stainless steel core anode rods. Pipe nipples and caps included to plug unused water connections. Gas pressure regulator and pilot filter. Cathodic protection. Adjustable thermostat, 120-180°F. Handhole cleanout. Includes T&P valve. Inlet press., 14" WC max. Minimum gas pressure, 4.5" WC. Working press., 160 psi max. Three year warranty.

| No.    | Gp #   | Cap. Gal. | Input Btu/h | Dia. x Ht. In.  | Vent Size In. | Wt. Lb. |
|--------|--------|-----------|-------------|---|---------------|---------|
| BTR120 | 058336 | 71        | 120,000     | 27 <sup>3</sup> / <sub>4</sub> x 69 <sup>3</sup> / <sub>4</sub> | 5             | 400     |
| BTR154 | 058337 | 81        | 154,000     | 27 <sup>3</sup> / <sub>4</sub> x 73                             | 6             | 470     |
| BTR180 | 058338 | 81        | 180,000     | 27 <sup>3</sup> / <sub>4</sub> x 67 <sup>1</sup> / <sub>2</sub> | 6             | 490     |
| BTR197 | 058339 | 100       | 199,000     | 27 <sup>3</sup> / <sub>4</sub> x 74                             | 6             | 530     |

Continued on Next Page



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| No.                                   | Gp #   | Cap. Gal. | Input Btu/h | Dia. x Ht. In.  | Vent Size In. | Wt. Lb. |
|---------------------------------------|--------|-----------|-------------|---|---------------|---------|
| BTR200                                | 058340 | 100       | 199,000     | 30 <sup>1</sup> / <sub>4</sub> x 72                             | 6             | 740     |
| BTR275A <sup>(1)</sup> <sup>(2)</sup> | 059118 | 100       | 275,000     | 30 <sup>1</sup> / <sub>4</sub> x 72                             | 8             | 685     |
| BTR305A <sup>(1)</sup>                | 059119 | 65        | 305,000     | 27 <sup>3</sup> / <sub>4</sub> x 75                             | 8             | 763     |
| BTR365A <sup>(1)</sup>                | 059120 | 85        | 365,000     | 27 <sup>3</sup> / <sub>4</sub> x 79 <sup>1</sup> / <sub>2</sub> | 8             | 850     |
| BTR400A <sup>(1)</sup>                | 061856 | 100       | 399,000     | 30 <sup>1</sup> / <sub>4</sub> x 75 <sup>1</sup> / <sub>2</sub> | 8             | 874     |
| BTR500A <sup>(1)</sup>                | 059121 | 85        | 500,000     | 27 <sup>3</sup> / <sub>4</sub> x 82 <sup>1</sup> / <sub>4</sub> | 8             | 838     |

<sup>(1)</sup> ASME Compliant <sup>(2)</sup> Supplied with 8 x 6 reducer



### A.O. SMITH Gas Water Heaters

Cyclone XHE™ - Commercial - High Efficiency - Low NOx - Tank-Type

Natural gas. Dynamix Cyclonic Burner™ for precise gas mixing. Permaglass® Ultra Coat™ lining. Foam insulation. Vents vertically or horizontally. Approved for direct vent sealed combustion applications. Advanced electronics control ignition and thermostat. Allow for precise water temperature setting. Display panel shows operating mode, user settings and any failure modes. Preset power burner. Submerged combustion chamber. Spiral wound flue tube. Scale free. Zero inch clearance to combustibles. Use PVC, ABS, CPVC pipe for venting. Handhole cleanout. Includes T&P valve and drain valve. Three year warranty.

| No.     | Gp #   | Cap. Gal. | Input Btu/h | Dia. x Ht. In.  | Vent Size In. |
|---------|--------|-----------|-------------|---|---------------|
| BTH120  | 058392 | 60        | 125,000     | 27 <sup>3</sup> / <sub>4</sub> x 55 <sup>1</sup> / <sub>2</sub> | 3 or 4        |
| BTH150  | 060263 | 100       | 150,000     | 27 <sup>3</sup> / <sub>4</sub> x 75                             | 3 or 4        |
| BTH199  | 058350 | 100       | 199,000     | 27 <sup>3</sup> / <sub>4</sub> x 75                             | 3 or 4        |
| BTH250  | 060264 | 100       | 240,000     | 27 <sup>3</sup> / <sub>4</sub> x 75                             | 3 or 4        |
| BTH250A | 068978 | 100       | 240,000     | 27 <sup>3</sup> / <sub>4</sub> x 75                             | 3 or 4        |



### A.O. SMITH Gas Water Heaters

Conservationist® - Copper Heat Exchanger Commercial

Natural gas. Copper coil combustion chamber with copper fin tube heat exchanger. Prefinished jacket with bonderized coating and baked-on enamel finish. Rustproof nonferrous water ways. Stainless steel burner. Forced water circulation. Automatic safety controls and electronic ignition. Redundant high limit controls and gas valves ensure automatic shutoff if over heating or flame failure occur. Thermal balancer allows pump and heater to activate simultaneously. 125 psi pressure relief valve. 160 psi working pressure. Require 120V, 60 Hz; inlet pressure of 14" WC max.; external heater activation temperature control. Not for booster recovery systems. Five year warranty.

| No.     | Gp #   | Input Btu/h | Dia. x Ht. In.  | Vent Size In. |
|---------|--------|-------------|---|---------------|
| HW-120M | 024036 | 120,000     | 20 <sup>3</sup> / <sub>4</sub> x 49 <sup>3</sup> / <sub>8</sub> | 6             |
| HW-160M | 024037 | 160,000     | 20 <sup>3</sup> / <sub>4</sub> x 50 <sup>1</sup> / <sub>8</sub> | 7             |
| HW-200M | 024038 | 199,000     | 20 <sup>3</sup> / <sub>4</sub> x 53 <sup>1</sup> / <sub>4</sub> | 7             |



### A.O. SMITH Gas Boilers

Burkay® - Commercial

Natural gas. 82% efficiency. All nonferrous water ways, bronze or brass castings. Tightly wound continuous copper coil combustion chamber, with copper fin tube heat exchanger directly above it. Burkay® stainless steel burner, approved for installation on combustible floors. Step opening or slow opening redundant gas valves ensure smooth light-off without flame roll-out or pilot outage. Factory supplied thermal balancer. Automatic safety controls and electronic ignition provide flame failure response in under one second. Redundant high limit controls and gas valves ensure automatic shutoff if over heating or flame failure occur. Thermal balancer allows pump and heater to activate simultaneously. Delays pump shutoff at end of heating cycle to remove usable heat from heat exchanger and reduce scaling. 160 psi working pressure. Require 120V, 60 Hz; inlet pressure of 14" WC max.; external heater activation temperature control. Not for booster recovery systems. Ten year warranty.

| No.    | Gp #   | Input Btu/h | Dia. x Ht. In.                       | Vent Size In. |
|--------|--------|-------------|--------------------------------------|---------------|
| HW-300 | 024039 | 300,000     | 25 <sup>1</sup> / <sub>4</sub> x 65  | 8             |
| HW-420 | 024040 | 420,000     | 27 x 57 <sup>1</sup> / <sub>8</sub>  | 10            |
| HW-520 | 024042 | 520,000     | 27 x 68 <sup>5</sup> / <sub>16</sub> | 10            |
| HW-670 | 024043 | 660,000     | 27 x 67                              | 12            |





**A.O. SMITH Storage Tanks**

Potable Water - Jacketed

For water storage at 180°F or lower. Glass lined tank. High-density fiberglass insulation. Use with gas fired copper heat exchanger equipment. Vertical mounting. Anodic protection.

| No.      | Gp #   | Cap. Gal. | Working Press. psi | Wdth. x Ht. In.                     |
|----------|--------|-----------|--------------------|-------------------------------------|
| TJV-120M | 020098 | 119       | 150                | 29 <sup>3</sup> / <sub>8</sub> x 62 |



**A.O. SMITH Storage Tanks**

Potable Water - Un-Jacketed

For water storage at 180°F or lower. Glass lined tank. Use with gas fired copper heat exchanger equipment. Horizontal or vertical mounting. Anodic protection.

| No.    | Gp #   | Approx. Cap. Gal. | Working Press. psi | Wdth x Ht. |
|--------|--------|-------------------|--------------------|------------|
| T-200A | 012283 | 200               | 125                | 30 x 72    |
| T-350A | 021995 | 350               | 125                | 36 x 88    |



**ZOELLER® PUMP Submersible Sump Pumps**

Water Ridd'r II - Series 48 - Automatic - Cast Iron

For dewatering sump. Pass 3/8" spherical solids. 1 1/2" NPT discharge. 115V, single phase, 60 Hz motor. Oil-filled, hermetically sealed. Automatic reset thermal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Thermoplastic motor cover and strainerless base. Glass-filled polypropylene base/pump housing. Glass-filled, nonclog Vortex thermoplastic impeller with metal insert. Tethered float switch. Carbon and ceramic rotary seal. Watertight neoprene seal between motor and cover. 9', three-wire cord and plug. Stainless steel screws. 110°F temperature rating. 11 1/2" on point cycle; 4 1/4" off point. Fit 12" diameter pits.

mal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Thermoplastic motor cover and strainerless base. Glass-filled polypropylene base/pump housing. Glass-filled, nonclog Vortex thermoplastic impeller with metal insert. Tethered float switch. Carbon and ceramic rotary seal. Watertight neoprene seal between motor and cover. 9', three-wire cord and plug. Stainless steel screws. 110°F temperature rating. 11 1/2" on point cycle; 4 1/4" off point. Fit 12" diameter pits.

**Compliances:** UL Listed; CSA Certified.

| No. | Gp #   | hp  | Amps | rpm   | Max. Wdth. In.                 | Ht. In.                         |
|-----|--------|-----|------|-------|--------------------------------|---------------------------------|
| M48 | 057540 | 1/4 | 8.2  | 3,000 | 7 <sup>1</sup> / <sub>32</sub> | 8 <sup>13</sup> / <sub>32</sub> |



**ZOELLER® PUMP Submersible Sump/Effluent Pumps**

MIGHTY-MATE - Series 50 - Automatic Cast Iron

For dewatering sump or effluent septic tank systems. Pass 1/2" spherical solids. 1 1/2" NPT discharge. 115V, single phase, 60 Hz motor. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Automatic thermal overload protection. Oil-filled, hermetically sealed. Cast iron switch case, motor and pump housing. Glass-filled polypropylene base. Glass-filled, nonclog vortex plastic impeller with metal insert. Float operated, 2-pole mechanical switch. Carbon and ceramic shaft seal. Watertight neoprene ring between motor and pump housing. Solid buoyant polypropylene float. 9-foot, three-wire cord and plug. Stainless steel screws, switch arm, guard and handle. Oil-fed upper and lower cast iron bearings. Watertight, dusttight. 130°F temperature rating. 8 1/2" on point cycle; 3 1/4" off point.

**Compliances:** UL Listed; CSA Certified.

**No. M57.** All cast iron construction.

| No. | Gp #   | hp  | Amps | rpm   | Max. Wdth. In.                  | Ht. In.                         |
|-----|--------|-----|------|-------|---------------------------------|---------------------------------|
| M53 | 013279 | 1/3 | 9.7  | 1,550 | 10 <sup>3</sup> / <sub>32</sub> | 10 <sup>1</sup> / <sub>16</sub> |
| M57 | 013280 | 1/3 | 9.7  | 1,550 | 10 <sup>3</sup> / <sub>32</sub> | 10 <sup>1</sup> / <sub>16</sub> |



**ZOELLER® PUMP Submersible Sump Pumps**

AQUA-MATE - Model 72 - Automatic

For dewatering sump. Pass 3/8" spherical solids. 1 1/2" NPT discharge. 115V, single phase, 60 Hz motor. Thermal overload protection. Hermetically sealed. Oil-free. Noncorrosive plastic motor housing, pump housing and base. Nonclog vortex plastic impeller. Float operated, 2-pole mechanical switch. Solid buoyant polypropylene float. 9-foot, three-wire cord and plug. Stainless steel screws, switch arm and lower motor housing. Watertight, dusttight. 110°F temperature rating. 7 3/8" on point cycle; 3 5/8" off point.

**Compliances:** UL Listed; CSA Certified.

| No. | Gp #   | hp  | Amps | rpm   | Max. Wdth. In.                 | Ht. In.                          |
|-----|--------|-----|------|-------|--------------------------------|----------------------------------|
| M72 | 065577 | 0.3 | 3.1  | 3,400 | 9 <sup>1</sup> / <sub>16</sub> | 11 <sup>13</sup> / <sub>16</sub> |



**ZOELLER® PUMP Submersible Effluent Pumps**

FLOW-MATE - Series 98 - Automatic - Cast Iron

For dewatering sump or effluent septic tank systems. Pass 1/2" spherical solids. 1 1/2" NPT discharge. 115V, single phase, 60 Hz motor. Oil-filled, hermetically sealed. Permanent split capacitor motor. Automatic reset thermal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Cast iron switch case, motor and pump housing and base. Nonclog vortex plastic impeller. Float operated, 2-pole mechanical switch. Carbon and ceramic shaft seal. Watertight neoprene seal between motor and cover. 15-foot, three-wire cord and plug. Stainless steel screws, switch arm, guard, handle and seal assembly. Lower and upper oil-fed cast iron bearing. 130°F temperature rating. 9 1/2" on point cycle; 3" off point.

**Compliances:** UL Listed; CSA Certified.

| No. | Gp #   | hp  | Amps | rpm   | Max. Wdth. In.                 | Ht. In. |
|-----|--------|-----|------|-------|--------------------------------|---------|
| M98 | 022024 | 1/2 | 9.4  | 1,725 | 10 <sup>7</sup> / <sub>8</sub> | 12      |

11



# WATER HEATERS & PUMPS

If we don't have it . . . we'll find it.



## ZOELLER® PUMP Submersible Sump/Effluent Pumps

FLOW-MATE - Series 137 - Automatic - Cast Iron

For dewatering sump or effluent septic tank systems. Pass 5/8" spherical solids. 1 1/2" NPT discharge. 115V, single phase, 60 Hz motor. Oil-filled, hermetically sealed. Automatic reset thermal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Cast iron switch case, motor and pump housing and base. Nonclog vortex plastic impeller. Float operated, 2-pole mechanical switch. Carbon and ceramic shaft seal. 10-foot, three-wire cord and plug. Stainless steel screws, bolts, switch arm, guard, handle and seal assembly. Oil-lubricated bearing. 130°F temperature rating. 10" on point cycle; 2 3/4" off point.

**Compliances:** UL Listed; CSA Certified; ASTM Class 25 Compliant.

| No.  | Gp #   | hp  | Amps | rpm   | Max. Wdth. In. | Ht. In. |
|------|--------|-----|------|-------|----------------|---------|
| M137 | 013281 | 1/2 | 10.7 | 1,725 | 12 1/4         | 13      |



## ZOELLER® PUMP Submersible Sewage/Effluent Pumps

WASTE-MATE - Series 264 - Automatic - Cast Iron

For dewatering sump or effluent septic tank systems. Pass 2" spherical solids. 2" NPT discharge. 115V, single phase, 60 Hz motor. Oil-filled, hermetically sealed. Thermal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Carbon and ceramic shaft seal. Cast iron switch cap, motor and pump housing. Glass-filled, nonclog vortex plastic impeller with metal insert. Float operated, 2-pole mechanical switch. 15-foot, three-wire cord and plug. Stainless steel screws, bolts, switch arm, guard, handle and seal assembly. Plastic base. Oil-lubricated bearing. 130°F temperature rating. 12 1/2" on point cycle; 4 1/2" off point.

**Compliances:** UL Listed; CSA Certified.

| No.  | Gp #   | hp  | Amps | rpm   | Max. Wdth. In. | Ht. In. |
|------|--------|-----|------|-------|----------------|---------|
| M264 | 065578 | 0.4 | 9.4  | 1,725 | 13 3/64        | 14 3/4  |



## ZOELLER® PUMP Submersible Sewage/Effluent Pumps

WASTE-MATE - Series 267 - Automatic - Cast Iron

For dewatering sump or effluent septic tank systems. Pass 2" spherical solids. 2" NPT discharge. 115V, single phase, 60 Hz motor. Oil-filled, hermetically sealed. Thermal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Carbon and ceramic shaft seal. Cast iron switch case, pump housing and base. Nonclog vortex plastic impeller with metal insert. Float operated, 2-pole mechanical switch. 10-foot, three-wire cord and plug. Stainless steel screws, bolts, switch arm, guard, handle and seal assembly. Oil-lubricated bearing. Neoprene square ring and gasket. 130°F temperature rating. 12" on point cycle; 4" off point.

**Compliances:** UL Listed; CSA Certified; ASTM Class 25 Compliant.

| No.  | Gp #   | hp  | Amps | rpm   | Max. Wdth. In. | Ht. In. |
|------|--------|-----|------|-------|----------------|---------|
| M267 | 013282 | 1/2 | 10.4 | 1,725 | 13 1/16        | 14 1/4  |



## ZOELLER® PUMP Submersible Sewage Pumps

WASTE-MATE - Series 282 - Automatic - Cast Iron

For dewatering sump or sewage systems. Pass 2" spherical solids. 2" flanged discharge. 115V, single phase, 60 Hz motor. Oil-filled, hermetically sealed.

Thermal overload protected. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. Carbon and ceramic shaft seal. Cast iron switch case, motor and pump housing and base. Nonclog vortex plastic impeller. Float operated mechanical switch. 10-foot, three-wire cord and plug. Stainless steel screws, bolts, float rod, switch arm, guard, handle and seal assembly. Oil-lubricated upper sleeve and lower ball bearings. 130°F temperature rating. 15 1/4" on point cycle; 5 1/4" off point.

**Compliances:** UL Listed; CSA Certified.

| No.  | Gp #   | hp  | Amps | rpm   | Max. Wdth. In. | Ht. In.  |
|------|--------|-----|------|-------|----------------|----------|
| M282 | 013283 | 1/2 | 10.3 | 1,750 | 13 9/16        | 18 13/16 |



## ZOELLER® PUMP Drain Pump Systems

Series 105 - Automatic - Cast Iron

For water removal where gravity flow isn't available. Include Series 53 pump, tank cord seals and hardware; polypropylene basin and lid; internal discharge to pipe; check valve.

Series 53 Pump: For dewatering sump or effluent septic tank systems. Pass 1/2" spherical solids. 1 1/2" NPT discharge. 115V, single phase, 60 Hz motor. Automatic thermal overload protection. Oil-filled, hermetically sealed. Cast iron switch case, motor and pump housing. Glass-filled polypropylene base. Glass-filled, nonclog vortex plastic impeller with metal insert. Float operated, 2-pole mechanical switch. Carbon and ceramic shaft seal. Watertight neoprene ring between motor and pump housing. Solid buoyant polypropylene float. 9-foot, three-wire cord and plug. Stainless steel screws, switch arm, guard and handle. Oil-fed upper and lower cast iron bearings. Watertight, dusttight. 130°F temperature rating. 8 1/2" on point cycle; 3 1/4" off point.

**Compliances:** UL Listed; CSA Certified; IAPMO Approved.

| No.      | Gp #   | Desc.                              |
|----------|--------|------------------------------------|
| 105-0001 | 025544 | Drain Pump System w/Series 53 Pump |



## ZOELLER® PUMP Submersible Sump Pumps

Model 3098 - High Temperature - Automatic Cast Iron

For dewatering sump. Meet high temperature requirements for 200°F service. Pass 1/2" solids. 1 1/2" discharge. 115V, single phase, 60 Hz motor. Housing with corrosion-resistant POWDER COATED TOUGH™ epoxy finish. High temperature liquid-tight conduit used with high temperature cable. High temperature motor windings and gaskets.

High temperature thermal overload protection. High temperature control components. Vortex impeller. Float operated mechanical switch mounted on pipe above water level. 15-foot cord. Stainless steel screws, control arm, guards, handles and seal assemblies. Stationary seals have NI-Resist faces.

**Compliances:** NEC Compliant.

| No.   | Gp #   | hp  | Amps |
|-------|--------|-----|------|
| M3098 | 039784 | 1/2 | 9.4  |





**ZOELLER® PUMP  
Pedestal Sump Pumps**

Series Aquanot™ - Model 585 - Battery Backup

Heavy-duty 12V motor and positive contact float switch. Stainless steel column and shaft. Noncorrosive base. Include automatic electronic 25A charger and pump alarm. Charger features LED indicators, auto-

matic battery recharging, microprocessor controlled, circuit breaker protection, 3.5A AC input and 12V DC output.

| No.      | Gp #   | Desc.              |
|----------|--------|--------------------|
| 585-0005 | 039681 | Pedestal Sump Pump |



**ZOELLER® PUMP  
Deep-Cycle Batteries**

Series Aquanot™

For use with Series Aquanot™ sump pumps.

**Deep-Cycle Battery - Wet**

| No.     | Gp #   | Desc. | Wt. Lb. |
|---------|--------|-------|---------|
| 10-0761 | 039682 | Wet   | 69      |
| 10-1450 | 062826 | Gel   | 60      |

**GOULDS PUMPS**



**GOULDS PUMPS  
Submersible Sump Pumps**

Model LSP03

For water transfer, dewatering, basement draining. Corrosion-resistant construction. Stainless steel motor casing and fasteners. Single phase, 3450 rpm, 60 Hz motor features built-in thermal overload protection with automatic reset; permanent split capacitor, Class F insulation, stainless steel shaft, air filled design. 1 1/2" NPT discharge size. Capacity to 55 gpm. Maximum solids of 3/8" spherical size. 34 feet TDH maximum head. 104°F maximum liquid temperature. 10 foot cord. Plug/no switch. Maximum submersible depth of 10 feet.

**Compliances:** UL Listed; CSA Certified for Canada and U.S.

**Submersible Sump Pump - LSP03AT (shown).**

| No.     | Gp #   | hp  | Volts | Amps | Min. On Level | Min. Off Level | Min. Basin Dia. In. |
|---------|--------|-----|-------|------|---------------|----------------|---------------------|
| LSP0311 | 021272 | 1/3 | 115   | 2.8  | Manual        | Manual         | 9                   |



**GOULDS PUMPS  
Submersible Effluent Pumps**

Series EP04 - Model 3871

For effluent systems, water transfer, dewatering, heavy-duty sump. Corrosion-resistant thermoplastic casing and base. Permanently lubricated motor. Single phase, 1550 rpm, 60 Hz motor features built-in overload protection with automatic reset; cast iron housing, thermoplastic cover with integral handle and float switch attachment points, heavy-duty water and oil-resistant cord. 1 1/2" NPT discharge size. Capacity to 60 gpm. Maximum solids of 3/4" spherical size. 31 feet TDH maximum head. 104°F maximum continuous temperature; 140°F intermittent temperature. Capable of running dry without damage to components. 10 foot cord. Piggyback/wide-angle float switch.

**Compliances:** CSA Listed.

| No.     | Gp #   | hp  | Volts | Amps | Min. On Level In. | Min. Off Level In. | Min. Basin Dia. In. |
|---------|--------|-----|-------|------|-------------------|--------------------|---------------------|
| EP0411A | 012953 | 0.4 | 115   | 12   | 12                | 6                  | 15                  |



**GOULDS PUMPS  
Submersible Effluent Pumps**

Model 3885

For effluent systems. Designed for continuous operation when fully submerged. Cast iron volute type casing. Cast iron semi-open impeller, nonclog with pump out vanes for mechanical seal protection. Permanently lubricated motor. Oil-resistant 20 foot cord. 2" NPT discharge size. Capacity to 140 gpm. Maximum solids of 3/4" spherical size. 128 feet TDH maximum head. 104°F maximum continuous temperature; 140°F intermittent temperature. Capable of running dry without damage to components.

**Compliances:** CSA Certified for Canada and U.S.

| No.     | Gp #   | hp  | Phase | Volts | Amps | rpm   | Wt. Lb. |
|---------|--------|-----|-------|-------|------|-------|---------|
| WE0311L | 021411 | 1/3 | 1     | 115   | 10.7 | 1,750 | 56      |



**GOULDS PUMPS  
Submersible Sewage Pumps**

Series WS\_B - Model 3886

For sewage systems, water transfer, dewatering/effluent. Designed for continuous operation when fully submerged. Cast iron volute type casing. Cast iron semi-open impeller, nonclog with pump out vanes for mechanical seal protection. Permanently lubricated motor. 60 Hz motor features built-in overload protection with automatic reset, severe-duty water and oil-resistant 20 foot cord. 2" NPT discharge size. Capacity to 185 gpm. Maximum solids of 2" spherical size. 38 feet TDH maximum head. 104°F maximum continuous temperature; 140°F intermittent temperature. Capable of running dry without damage to components.

**Compliances:** CSA Certified for Canada and U.S.

| No.     | Gp #   | hp  | Phase | Volts | Amps | rpm   | Wt. Lb. |
|---------|--------|-----|-------|-------|------|-------|---------|
| WS0511B | 013011 | 1/2 | 1     | 115   | 14.5 | 1,750 | 65      |





**GOULDS PUMPS**  
**Submersible Sewage Pumps**  
 Series WW05 - Model 3872

For residential systems, water transfer, dewatering. Permanently lubricated motor. Single phase, 1550 rpm, 60 Hz motor features built-in overload protection with automatic reset; cast iron housing, thermoplastic cover with integral handle and float switch attachment points, severe-duty water and oil-resistant cord. 2" NPT discharge size. Capacity to 75 gpm. Maximum solids of 2" spherical size. 18 feet TDH maximum head. 104°F maximum continuous temperature; 140°F intermittent temperature. Capable of running dry without damage to components. 10 foot cord. Piggyback/wide-angle float switch.

**Compliances:** CSA Listed.

| No.     | Gp #   | hp  | Volts | Amps | Min. On Level In. | Min. Off Level In. | Min. Basin Dia. In. |
|---------|--------|-----|-------|------|-------------------|--------------------|---------------------|
| WW0511A | 023195 | 0.5 | 115   | 13   | 15                | 9                  | 18                  |



**GOULDS PUMPS**  
**Submersible Sewage Pumps**  
 Model 3888D3

For sewage systems, dewatering/effluent, flood and pollution control. Designed for continuous operation when fully submerged. Heavy-duty gray cast iron volute type casing. Cast iron two vane semi-open impeller, nonclog with pump out vanes for mechanical seal protection. Permanently lubricated motor. 60 Hz motor features Class F insulation, severe-duty water and oil-resistant 20 foot cord. 3" ANSI 125# flange discharge size. Capacity to 470 gpm. Maximum solids of 3" spherical size. 65 feet TDH maximum head. 104°F maximum continuous temperature, 140°F intermittent temperature. Capable of running dry without damage to components.

**Compliances:** CSA Certified for Canada and U.S.

| No.      | Gp #   | hp | Phase | Volts | Amps | rpm   | Wt. Lb. |
|----------|--------|----|-------|-------|------|-------|---------|
| WS3034D3 | 021403 | 3  | 3     | 460   | 6.0  | 1,750 | 200     |
| WS5034D3 | 021671 | 5  | 3     | 460   | 8.2  | 1,750 | 205     |



**AK INDUSTRIES**  
**Sump Basins**  
 POLY-PRO

Include eight molded, self-tapping inserts.

**PVC Combo Hub.** Accepts service weight gasket for cast iron pipe or solvent welds to PVC pipe. Uninstalled; attached to basin.

**Cast Iron Hub.** Accepts service weight gasket for cast iron or PVC pipe.

| No.      | Gp #   | Size In. | Desc.                     |
|----------|--------|----------|---------------------------|
| AKP35000 | 062170 | 18 x 22  | No Holes                  |
| AKP35090 | 064978 | 18 x 22  | With (1) 4" PVC Combo Hub |
| AKP35020 | 037997 | 18 x 22  | With (1) 4" Cast Iron Hub |



**AK INDUSTRIES**  
**Sewage Basins**  
 POLY-PRO

Include eight molded, self-tapping inserts.

**PVC Combo Hub.** Accepts service weight gasket for cast iron pipe or solvent welds to PVC pipe. Uninstalled; attached to basin.

**Cast Iron Hub.** Accepts service weight gasket for cast iron or PVC pipe.

| No.      | Gp #   | Size In. | Desc.                     |
|----------|--------|----------|---------------------------|
| AKP38070 | 064979 | 18 x 30  | With (1) 4" PVC Combo Hub |
| AKP38045 | 021086 | 18 x 30  | With (1) 4" Cast Iron Hub |



**AK INDUSTRIES**  
**Sewage Basins**

Polyethylene - Roll-Top

**Inside Hub.** Includes service weight gasket for cast iron or PVC pipe.

**Cast Iron Hub.** Accepts service weight gasket for cast iron or PVC pipe.

| No.      | Gp #   | Size In. | Desc.                                   |
|----------|--------|----------|---|
| AKP30070 | 062171 | 18 x 30  | No Holes                                |
| AKP30140 | 044163 | 18 x 30  | With (1) 4" Inside Hub                  |
| AKP30130 | 037996 | 18 x 30  | With (1) 4" Cast Iron Hub of Heavy Wall |
| AKP30200 | 062172 | 24 x 24  | No Holes                                |
| AKP30260 | 062173 | 24 x 36  | No Holes                                |

**AK INDUSTRIES**  
**Garage Basins**

Polyethylene - Triple

Include steel covers, cast iron inlet, outlet and vent hubs.

| No.      | Gp #   | Size In. | Desc.      |
|----------|--------|----------|------------|
| AKP50650 | 037995 | 18 x 38  | North Vent |
| AKP50660 | 056935 | 18 x 38  | South Vent |





**AK INDUSTRIES**  
Sump Basin Covers  
Plastic

| No.      | Gp #   | Desc.                   |
|----------|--------|-------------------------|
| AKP80009 | 064980 | 1-Hole; No Gasket Pack  |
| AKP80241 | 064981 | Slotted; No Gasket Pack |

**STRATAFLO**



**STRATAFLO PRODUCTS**  
Brass Check Valves

Model 300

Include leakproof, silicone-treated Buna-S rubber poppets. Noiseless and operates on low pressures. Nonadjustable one pound cracking pressure. Operate in any position. Working pressure, 200 Lb. Maximum temperature, 225°F.

**Warnings:** Not for air compressor service.

| No.       | Gp #   | Pipe Size In.                 | Lgth. In.                       |
|-----------|--------|-------------------------------|---------------------------------|
| 300-3/4   | 017471 | 3/4                           | 3 <sup>5</sup> / <sub>16</sub>  |
| 300-1     | 013168 | 1                             | 3 <sup>11</sup> / <sub>16</sub> |
| 300-1-1/4 | 013169 | 1 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>2</sub>   |
| 300-1-1/2 | 013170 | 1 <sup>1</sup> / <sub>2</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
| 300-2     | 013171 | 2                             | 5 <sup>9</sup> / <sub>16</sub>  |



**STRATAFLO PRODUCTS**  
Cast Brass Check Valves

Model 400 - Line

One-piece body. Include stainless steel poppet and sensitive spring. Operate in any position. Working pressure: 200 Lb. WOG, 125 Lb. steam. Maximum temperature, 300°F.

**Warnings:** Not for air compressor service.

| No.       | Gp #   | Pipe Size In.                 | Lgth. In.                       |
|-----------|--------|-------------------------------|---------------------------------|
| 400-1/2   | 013174 | 1/2                           | 2 <sup>3</sup> / <sub>4</sub>   |
| 400-3/4   | 013175 | 3/4                           | 3 <sup>5</sup> / <sub>16</sub>  |
| 400-1     | 017473 | 1                             | 3 <sup>11</sup> / <sub>16</sub> |
| 400-1-1/4 | 017474 | 1 <sup>1</sup> / <sub>4</sub> | 4 <sup>1</sup> / <sub>2</sub>   |
| 400-1-1/2 | 017475 | 1 <sup>1</sup> / <sub>2</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
| 400-2     | 017476 | 2                             | 5 <sup>9</sup> / <sub>16</sub>  |



**STRATAFLO PRODUCTS**  
Nickel-Plated Check Valves

Model 2400

Stainless steel exposed internal parts and poppet. Noiseless, all-position construction for food and beverage applications. Working pressure: 200 Lb. WOG, 125 Lb. steam. Maximum temperature, 300°F.

**Warnings:** Not for air compressor service.

| No.      | Gp #   | Pipe Size In. | Lgth. In.                     |
|----------|--------|---------------|-------------------------------|
| 2400-1/2 | 040763 | 1/2           | 2 <sup>3</sup> / <sub>4</sub> |



**STRATAFLO PRODUCTS**  
Brass Foot Valves

Model 200

One-piece body. Self-cleaning strainer with noncorrosive helically wound stainless steel spring wire. Taper-type, silicone-treated Buna-S rubber poppet with metal insert. No springs, low flow restriction and loss of head. Working pressure, 200 Lb. Maximum temperature, 225°F.

| No.   | Gp #   | Pipe Size In. | Lgth. In.                     | Enters Pipe Size In.          |
|-------|--------|---------------|-------------------------------|-------------------------------|
| 200-2 | 013178 | 2             | 5 <sup>3</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>2</sub> |

**Zoeller,**  
turn back to page 341,  
manufactures sump,  
effluent and sewage pumps  
with a wide range  
of capacities.  
And, our Zoeller reps  
are available to  
trouble-shoot  
in the field  
as well as  
help specify product.



**Is there a product** you wish we would carry that we do not presently stock?

Please make your Columbia salesperson aware. We want to fulfill your needs.

**One-Stop-Shopping** can save you valuable time and expense. Columbia Pipe services the PVF, Plumbing, and Heating industries, distributing and stocking equipment, accessories, and parts.

**Columbia Pipe's Rolling Warehouse** of trailers for on-site inventory and continuous inventory replenishment will keep your job moving and eliminate hassles.

