

Valves for Water and Wastewater





Butterfly Valves

GA Series 800 Butterfly Valves are the product of more than a century of engineering excellence, manufacturing expertise, and application know-how. They are NSF-61 approved for contact with drinking water are designed to meet or exceed the tough requirements of AWWA C504 and are well suited for demanding applications in water filtration, treatment, pumping, and pipelines.



3" to 20" Wafer Butterfly Valves

- Conforms to AWWA C504
- NSF-61 epoxy coated ductile iron body
- Molded and vulcanized rubber seat in body
- Class 150B and 250B rated
- Fits between ANSI Class 125/150 flanges
- Manual or power actuated
- Accessories available



3" to 24" Butterfly Valves

- NSF-61 epoxy coated ductile iron body
- Molded and vulcanized rubber seat in body
- Class 150B and 250B rated
- Class 125 flanged or mechanical joint
- Manual or power actuated
- Accessories available



24" and Larger Butterfly Valves

- NSF-61 Epoxy coated cast iron or ductile iron body
- Field replaceable rubber seat in body
- Rubber seat mechanically retained without epoxy
- Class 150B or 250B rated
- Class 125 flanged or mechanical joint
- Manual or power actuation
- Accessories available

EKN® AWWA Butterfly Valve

The EKN® AWWA Butterfly Valve is a rugged, resilient seated, double offset valve designed for excellent performance in water treatment facilities, pipelines, pumping stations, and industrial settings. This valve fully complies with AWWA Standard C504 and is NSF-61 certified for drinking water.



- **Size and Body:** 6" – 72" with high strength ductile iron body and NSF-61 certified internal and external epoxy coating.
- **Double Offset Design:** Disc rotation is horizontally and vertically offset from the body seat, providing low operating torque and 360 degree seating.
- **Weld Overlaid Body Seat:** The body seat is nickel chromium alloy stainless steel, weld overlaid onto the ductile iron body and then micro-finished. This process forms a permanent metallurgical bond, precluding undercutting or corrosion between the seat and body.
- **Dry Shaft:** The stainless steel shaft is completely isolated from the line fluid by a double O-ring sealing system for optimum corrosion protection.

Plug Valves

GA Industries' round port ECO-Centric® Plug Valve fully conforms to AWWA C517 and minimizes energy consumption with a higher Cv value and inherently lower head loss than rectangular port design. Specify the GA ECO-Centric® Plug Valve today to reduce power consumption and save energy costs.



½" to 2½" Eccentric Plug Valves

- Round port for high capacity and low head loss
- Epoxy coated and lined ductile iron body
- Rubber coated ductile iron plug
- NPT ends
- Manual lever operator



3" to 24" Eccentric Plug Valves

- Round port for high capacity and low head loss
- Epoxy coated and lined ductile iron body
- Welded nickel seat
- Rubber coated ductile iron plug
- Class 125 flanged or mechanical joint
- Manual or power actuated
- Accessories available



30" and Larger Eccentric Plug Valves

- Epoxy coated and lined cast iron body
- Welded nickel seat
- Rubber coated ductile iron disc
- Lifting eyes and feet to facilitate installation
- Class 125 flanged or mechanical joint
- Manual or power actuated
- Accessories available

Engineered Check Valves

GA Industries' Engineered Check Valves are designed for dependable, non-slam operation under the rigorous conditions found in both water and sewage pumping stations. They are available in many configurations and are engineered to suit the unique needs of those applications that require more than an ordinary check valve.



Cushioned Swing Check Valves

- Quiet, non-slam operation on water and sewage pumps
- Exceeds AWWA C508 requirements
- Iron body, 316SS or lead-free bronze trim, stainless steel shaft, resilient seat
- Side-mounted external cushion chamber
- 2"– 54" Class 125 and 250 flanged
- Increasing sizes available
- Additional options available



Oil-Controlled Closing Swing Check Valves

- Two-stage closure for non-slam operation on high head water and sewage pumps
- Iron body, 316SS or lead-free bronze trim, stainless steel shaft, resilient seat
- Side-mounted, external oil-hydraulic system for final closing speed control
- 2"– 24" Class 125 flanged only
- Additional options available



Tilting Disc Check Valves

- Provides minimal flow resistance for smooth passage of water with non-slam operation
- Iron body with lead-free bronze trim
- Metal-to-metal seated
- Optional bottom buffer or top mounted hydraulic dashpot
- 6"– 48" Class 125 and 250 flanged
- Additional options available



Differential Piston Control Valves

The rugged GA differential piston automatic control valve is suitable for a wide range of water applications and operating conditions. Available in full port globe and angle body with pressure ratings to ANSI Class 600, standard V-port trim and countless pilot-controlled configurations, it provides the ideal combination of control, capacity and versatility.



Pressure Reducing Valves

- Reduce high, fluctuating inlet pressure to lower, steady outlet pressure
- 3"– 36" Pilot-operated, iron body with lead-free bronze v-port trim
- Available with check, sustaining, or solenoid features



Altitude Valves

- Prevents tank overflow
- Single-acting (one way flow) or double-acting (two-way flow)
- 3"– 36" Pilot-operated, iron body with lead-free bronze v-port trim
- Multiple configurations available



Solenoid Valves

- Open or close by remote electrical signal
- 3"– 36" Pilot-operated, iron body with lead-free bronze v-port trim
- Multiple combinations, variations, and configurations available



Pressure Sustaining Valve

- Sustains a minimum upstream pressure
- 3"– 36" Pilot-operated, iron body with lead-free bronze v-port trim
- Available with reducing, solenoid, or check features



Emergency Cut-In Valve

- Automatically opens to introduce a supplemental source of water in an emergency situation
- 3"– 36" Pilot-operated, iron body with lead-free bronze v-port trim
- Available with check, solenoid, sustaining, or reducing features



Flow Control Valve

- Limits flow to downstream system regardless of fluctuations in pressure
- 3"– 36" Pilot-operated, iron body with lead-free bronze v-port trim
- Available with reducing, sustaining, solenoid, or check features

Pump Control, Surge Relief, and Check Valves

GA Industries offers a wide range of highly engineered specialty valves for use in water and sewage pump stations. Our engineers work closely with designers to select the right valves to control pressure surges associated with normal pump operation, to protect the pump station from excessive pressure due to a sudden stoppage of pumping and to prevent reverse flow when the pumps are off line.



AWWA C507 Resilient Seated Ball Valves

- Control surge associated with water or sewage pump operation
- Virtually zero headloss
- Resilient seat is easily field replaceable through side access port
- 6"– 36" Pressure Class 150, 250 and 300
- Hydraulic, pneumatic or electric motor actuation



AWWA C507 Metal Seated Ball Valves

- Used for pump control, throttling or isolation service
- Water or sewage
- Virtually zero headloss
- Metal-to-metal seating
- 6"– 48" Pressure Class 150, 250 and 300
- Hydraulic, pneumatic or electric motor actuation



CHECKtronic® Pump Control Valves

- Control surge associated with sewage or water pump operation
- Electric motor actuation with integral check feature, no hydraulic controls
- Very low headloss design
- Iron body, 316SS trim, resilient seat
- 3"– 30" Class 125 and 250 flanged wye (in-line) or angle body



Electric Check Pump Control Valves

- Controls surges associated with water pump operation
- Ideal when throttling is required
- Self-contained, pilot-operated, uses line pressure for operation
- Full-ported, lead-free bronze v-port trim
- 3"– 36" Class 125 and 250 flanged globe or angle body
- Higher pressure and many options available



Surge Relief Valves for Water

- Protects system from excess pressure due to sudden stoppage of pumping
- Self-contained, pilot-operated, uses line pressure for operation
- Full ported, lead-free bronze v-port trim
- 3"– 36" Class 125 and 250 flanged globe or angle body
- Higher pressures available



Surge Relief Valves for Wastewater or Sewage

- Protects system from excess pressure due to sudden stoppage of pumping
- Direct-acting, spring loaded
- 316SS trim with tough resilient seat
- Quick opening, slow closing
- 2"– 16" Class 125 flanged wye (in-line) or angle body
- Higher pressures available



Check Valves

Check valves have many applications in fluid systems. The most common is the discharge of water or sewage pumps to prevent reverse flow when the pump is off line. GA Industries offers not only a broad range of AWWA Standard C508 swing check valves but also several types of “specialty” check valves, all of which are readily available through our network of distributors.



AWWA C508 Swing Check Valves

- 3"– 30" Class 125 flanged epoxy coated ductile iron body and cover
- Water or sewage
- Stainless steel trim
- Lever and weight or spring
- Optional air-cushion



Heavy-Duty Swing Check Valves

- Exceed AWWA C508
- 2"– 48" Class 125 or 250 flange
- Water or sewage
- Lead-free bronze or stainless steel trim
- Lever and weight or spring
- Additional options available



Rubber Flapper Check Valves

- Meet AWWA C508
- Suitable for water or sewage
- Spring assisted Slaminator™ available
- 2"– 24" Class 125 flanged
- 250 PSI Rated epoxy coated ductile iron body
- Optional back-flow device, limit switch, and/or position indicator



Increasing Size Heavy-Duty Swing Check Valves

- Exceed AWWA C508
- Outlet is one or two sizes larger than inlet
- Eliminates increaser fitting
- Lever and weight or spring
- 3" x 4"–10" x 12" Single increasing
- 4" x 8"–10" x 14" Double increasing
- Additional options available



Silent Check Valves

- Internal spring assist non-slam operation on water
- Iron body, lead-free bronze or 316SS trim
- Wafer style 1½"–10" Class 125/250
- Globe style 2½"–12" Class 125 and 250 flanged
- 2½"–12" Class 125 flanged Foot Valves



Ball Check Valves

- Primarily used on discharge of submersible sewage or water pumps
- Can be installed under water in wet well or valve vault
- Self-cleaning, rubber coated ball is only moving part
- 1¼"– 2" NPT, 3"–12" Class 125 flanged
- 150 PSI Rated

Air Valves

Automatic air valves are used to maintain pumping efficiency and minimize the effects of trapped air in pressurized fluid systems. GA Industries offers a broad range of air valves for water, sewage, and pump station and pipeline applications in full compliance with AWWA Standard C512 and readily available through our network of distributors.



Air Release Valves

- ½"– 3" NPT pipeline connection
- Cast iron body with 316SS trim
- Up to 300 PSI working pressure

Air and Vacuum Valves

- Kinetic principle – won't blow shut
- ½"– 3" NPT, 3"–16" flanged connection
- Cast iron body with 316SS trim
- Up to 300 PSI working pressure
- Available with surge check and other accessories

Combination Air Valves

- Kinetic principle – won't blow shut
- ½"– 3" NPT, 3"–16" flanged connection
- Single or dual-body type
- Cast iron body with 316SS trim
- Up to 300 PSI working pressure
- Available with surge check and other accessories

Vacuum Breaking Valves

- 2½"–12" Flanged connection
- Screened air inlet
- Cast iron body with lead-free bronze or 316SS trim
- Up to 400 PSI working pressure
- Available with air release valve



Sewage Air Release, Air and Vacuum, and Combination Air Valves

- 2"– 4" NPT, 4" and 6" Class 125 flanged pipeline connections
- Cast iron body with 316SS trim
- Available with standard elongated or short body
- Up to 150 PSI working pressure

Vacuum Breaking Valves for Sewage

- 2½"– 24" Flanged connection
- Screened air inlet
- Cast iron body with lead-free bronze or 316SS trim
- Up to 400 PSI working pressure
- Available with air release valve

Durovent™ All Stainless Steel Air Valves

- 2" NPT Air release, air and vacuum and combination
- 316SS body and trim
- Standard elongated or short body
- Up to 150 PSI working pressure



Over a Century of Solutions

Since 1895, GA Industries has set the standard for quality, dependability, and service. We are continually expanding and improving our product line to meet the ever-changing needs of the water and wastewater industry.

From the factory to the field, GA also provides responsive and knowledgeable technical assistance and support. GA design and application engineers — and our team of trained and experienced sales representatives — work closely with you to select the right valve to meet system requirements.

For more information about GA Industries' products, or to contact a sales representative, visit the GA website — www.gaindustries.com

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Rodney Hunt, Fontaine, and GA Industries are now the **Valve and Gate Group**. We will continue to market our products under our heritage brands — but the breadth and depth of our product offerings, technology options, and engineering capabilities have expanded exponentially.

Together, we provide the most comprehensive line of flow control solutions in the industry. Learn more about us at www.vag-usa.com.