



**Keystone Series GR
Resilient seated butterfly valves.**

A heavy duty resilient seated butterfly valve with a field replaceable seat.

Features

- Designed acc. to EN 593 / API 609.
- Field replaceable seat isolates the body and shaft from media.
- Rounded polished disc edge gives full concentric sealing, lower torques and longer seat life.
- Top and bottom shaft bearings for decreased torque and increased valve life.



**Keystone Figure 221/222/320/322
Resilient seated butterfly valves.**

An economical resilient seated butterfly valve with a moulded in seat.

Features

- Bubble tight shut-off at full rated pressure in both directions.
- Lugged version is suitable for full rated bi-directional end-of-line service.
- Moulded-in seat isolates the body and shaft from the media.
- Top and bottom bearings assure longer life and lower torques.
- A moulded-in O-ring on face of the seat eliminates flange gaskets.
- Figure 221/222 to ASME standards.
- Figure 320/322 to ISO standards.



**Keystone Figure 990/920
Resilient seated butterfly valves.**

A split body butterfly valve utilizing a one-piece disc stem and field replaceable seat.

Features

- One-piece wafer-thin disc-stem provides high strength, positive disc control and the minimum obstruction to flow.
- Thin disc profile provides a larger open area, increased flow capacity and control capability.
- Field replaceable seat fully isolates the body and stem from flow.
- A moulded-in O-ring on face of the seat eliminates flange gaskets.
- Rubber and PFA molded discs available for light abrasion or chemical resistance.



**Keystone OptiSeal
Resilient seated butterfly valves.**

A split body butterfly valve utilizing a one-piece disc stem and field replaceable seat.

Features

- Thin disc profile provides a larger open area, increased flow capacity and control capability.
- Rounded polished disc edge gives full concentric sealing, lower torques and longer seat life.
- Field replaceable seat fully isolates the body and stem from flow.
- Primary stem sealing exceeds the pressure rating of the valve and prevents leakage through shaft area.
- Top and bottom shaft bearings for minimum friction up to DN 300 (except cast iron).

Butterfly Valves



EMERSON

KEYSTONE

Source:



Emerson Isolation Valves
Product Overview



Keystone CompoSeal Resilient seated butterfly valves.

A highly engineered composite material valve providing excellent chemical resistance while being lightweight and simple to install.

Features

- Patented wafer style body and disc in high engineered composite results in excellent internal and external chemical resistance.
- Light weight construction results in lower cost and simplified installation.
- No extra pipe support needed when installed in plastic or GRP piping.
- Bubble tight shut-off in both directions, in accordance with EN 12266-1 leak rate A.
- Valve can be used in high line velocity applications up to 12 m/sec.
- High Kv (Cv) value.
- No need for flange gaskets.
- Primary stem sealing exceeds the pressure rating of the valve and prevents leakage through the shaft area to atmosphere.

High Performance



Keystone K-LOK® Series 36/37 High performance butterfly valves.

A high performance butterfly valve available with ASME Class 150 and 300 pressure ratings.

Features

- High cycle life and lower cost of ownership is achieved by high quality upper and lower shaft bearings.
- Packing integrity and a lower cost of maintenance is achieved by a unique packing gland bridge which eliminates the need for even packing adjustment.
- Extended neck allows for two inches of pipeline insulation.
- Polymer, elastomer and fire-safe seats provide bi-directional, drop-tight closure throughout all pressure ranges.
- Unique seat design does not rely on line pressure to energize the sealing and therefore will seal in low pressures as well as vacuum applications.
- Increased safety of field personnel is obtained by the use of a blow-out resistant shaft.



Keystone K-LOK® Figure 360/370 High performance butterfly valves.

A high performance butterfly valve available with ASME Class 150 and 300 pressure ratings.

Features

- Integrally cast mounting pad provides direct mounting of many actuators.
- Rocker-shaped gland bridge compensates for uneven adjustment of gland nuts.
- Extended neck allows for two inches of pipeline insulation.
- Flattened body bore at shaft journal ports positions shaft bearings near disc, providing maximum shaft support.
- Tangentially positioned disc taper pins place them in compression rather than shear, eliminating potential for failure.
- K-LOK polymer, elastomer, and fire-safe seats provide bi-directional, drop-tight closure in vacuum and throughout all pressure ranges, as well as at full rated differential pressure. A variety of materials allows optimum seat life in all applications.



Keystone K-LOK® Series 38 High performance butterfly valves.

Engineered to NAMUR Recommendation NE 167 for the European chemical industry.

Features

- Bi-directional, drop-tight shut-off in vacuum as well as at full rated differential pressure.
- Integrally cast-in disc position stop perfectly locates the disc in the seat, achieving maximum seat and seal life.
- Enhanced alignment of disc and shaft reduces seat wear and further extends cycle life.
- Certified for low emissions to ISO 15848-1 Tightness Class BH Endurance Class C03.
- Unique gland bridge design compensates for uneven adjustment of gland nuts, reducing packing leaks.
- Extended neck allows access to packing gland while accommodating up to 100 mm of pipeline insulation.



**Keystone Figure 638
Slurry control valves.**

An extreme heavy duty slurry control valve, with an extended body style and replaceable body sleeve.

Features

- Robust construction with optimized materials to extend valve life in corrosive, erosive service.
- Full repairability with replaceable internals for significantly extending valve life.
- Extended body for protection of down stream piping.
- Swing through disc for minimal leakage at elevated temperatures.
- Wing-style disc for optimum flow and wear resistance.
- Venturi liner for improved flow control and thicker liner for wear resistance.
- Improved mechanical seal to prevent the ingress of media to the bearing journals.
- Direct mounting of Keystone actuators and with in-line actuator removal.



**Keystone Figure 634/635/637
Slurry control valves.**

Short body, wafer style valves for the control of liquids, gases, and light/medium slurries where scaling is present.

Features

- Robust construction with optimized materials to extend valve life in scaling service.
- Bi-directional slurry control.
- Swing through disc for minimum leakage.
- Adjustable PTFE gland packing.
- Direct mounting of Keystone actuators with in-line actuator removal.
- Full repairability with replaceable internals that can significantly extend valve life.
- Manufactured under quality system ISO 9001:2015, Certificate No. 10109459.



**Keystone Figure 2000
Slurry control valves.**

Wafer style valve with steel reinforced resilient seat for control of light/medium slurries.

Features

- Wafer style body.
- Bi-directional tight shut off up to 1400 kPa.
- Steel reinforced seat.
- Extensive size range available.
- High wear resistance materials.
- Replaceable components.
- Maintenance friendly.
- Direct mounting to Keystone actuators eliminates the need for mounting brackets.
- Top bushing absorbs actuator side thrust loads.
- Body locating holes provide easy installation and centering between flanges.