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RBV070

Double Flanged Resilient Seated Butterfly Valve



SISCO VALVE

COMPANY PROFILE

SISCO is a competitive valve manufacturer that was first incorporated in 1995. As an OEM manufacturer, we specialize in premium industrial valves. Our main products include the butterfly valve, gate valve, and check valve. These products are utilized extensively by industries such as petroleum, chemical engineering, sewage treatment as well as air and water treatment. Customization services are available upon request.

SISCO owns 12,000 square meters of real estate. We maintain operations with a staff of more than 200 employees, many of whom are senior engineers and experienced technicians. Our modern facilities include 11 workshops and 3 automatic assembling machines that have been specialized for dedicated functions such as assembly, processing, painting, and testing. A complete array of advanced equipment ensures the quality of our products.

We have successfully passed the certification of internationally recognized standards such as CE, DNV, GOST, and ISO9001. Our manufacturing techniques implement state-of-the-art technologies to guarantee high processing efficiency and integrity. This level of enhanced productivity is the underlying basis for our always-on-time delivery policy. As a mature and responsible enterprise, we strive to provide considerate and attentive after-sales services.

SISCO exports worldwide to regions including the Americas, Europe, and the Middle East. Our valves have also exhibited outstanding performance on domestic markets, serving as the control node for systems such as petroleum pipelines, heat supply pipelines, water supply pipes, chemical pipelines, and sewage treatment.

Product quality has always been our top priority. All SISCO employees are trained in proper handling and operating techniques. We have developed quality control protocols to streamline everything from raw material procurement to machining, inspection, and logistics.

Please contact us with product and service related inquiries! We look forward to your correspondence.

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RBV070 Series



RBV070

Butterfly Valve Series

PRODUCTION CAPABILITY AND CERTIFICATE

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FIELD OF APPLICATION

03 04

RBV070

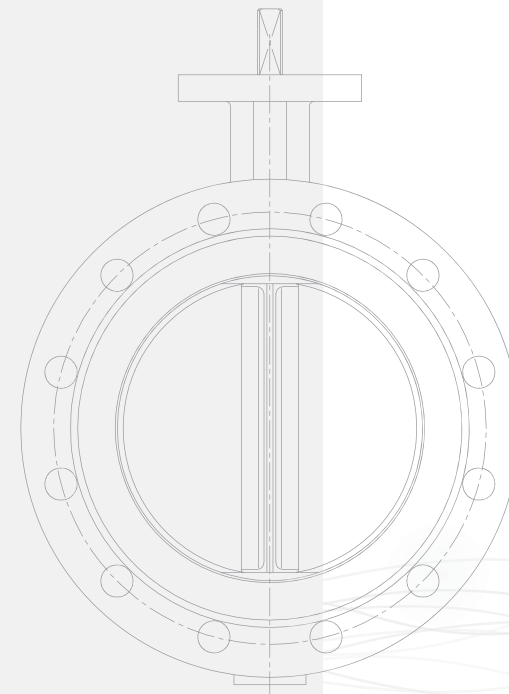
Series

SISCO RBV070 series is design to meet the stringent requirements of wide range of industries worldwide including:



- Chemical
- Beverage
- Brewing/Wine Making
- Pharmaceutical
- Food Processing
- Petroleum Refining & Oilfield
- Transportation
- Ultrapure Water
- Marine
- Pulp & Paper
- Mining
- Power/FGD
- Nuclear Power
- Irrigation
- Water & Wastewater Treatment
- Textile
- Desalination

Double Flanged Resilient Seated Butterfly Valve



DESIGN FEATURES

1. Bi-directional bubble tight shut off, zero leakage.
2. Full EPDM cladding design of the seat and disc thoroughly prevent line media from corroding body, body contact face and disc.
3. Dry shaft feature isolating the line media from the shaft and therefore standard shaft material can be used.
4. Smaller operating torque.
5. Light weight and volume lowering cost and achieving easy installation.
6. Full bore feature results in higher Cv value.
7. ISO 5752-13 long patten face to face



RBV070

Butterfly Valve Series

GENERAL FEATURES

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Body

One piece double flanged body design with middle face to face dimension (ISO5752-13) comparing with double flanged body. All bodies are drilled to be compatible with AWWA C207, ANSI B16.1, ASME 125/150, DIN PN10/16, BS, JIS or other international flange standards. Threaded holes can be drilled according to customer preference in case of the DEAD END SERVICE. Valve mounting top flanges meet ISO 5211 standards for direct mounting of manual operators and power actuators.



Seat

Vulcanized treatment prevents movement and misplacement of the seat under pressure, reduces shrinkage of the rubber during processing, increases seal surface precision and sealing property and ensures a lower torque value. Cladding design of the seat completely isolates the line media from the body and body contact surface, which avoids the corrosion to them, increases service life.

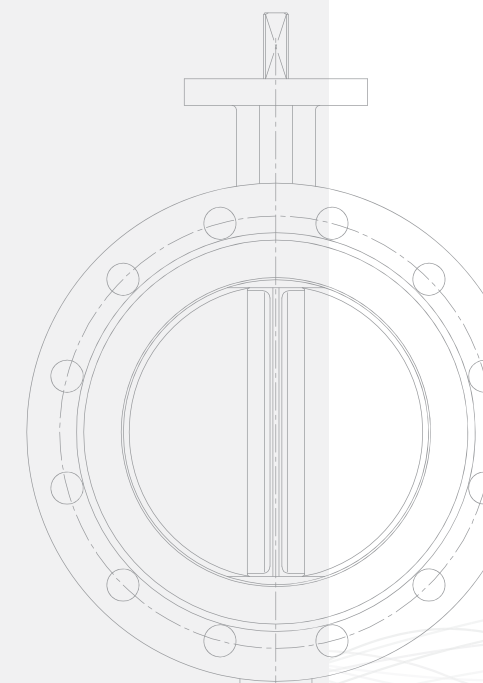
Disc

High strength discs are first cast, the sealing edges are spherically machined then either hand polished or the entire disc is Nylon or Rubber coated to produce a bubble-tight shut off, minimum torque, and longer seat life. The symmetrical disc profile increases CV values, reduces turbulence and increases pressure recovery.

Shaft

Alternative to high corrosion resistance shaft materials, RBV070 is equipped with the dry shaft design because of its concentric

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GENERAL FEATURES

nature and axial sealing design, where standard material shaft is completely isolated from the flowing media.

One shaft pin-less and double shafts pin-less design are available to choose depending on customer's preference. Precision machining of the disc and the stem connection minimizes hysteresis and produces maximum strength engagements.

All stem designs incorporate a blow-out proof feature.

Both disc/stem designs inherently provide complete protection from particle entrapment and bacterial decay, protection that is required for sanitary performance. For superior erosion and abrasion resistance, the one-piece disc/stem is fully encased in either EPDM or BUNA-N.

For double shafts pin-less design, precision double "D" or "Square" disc to stem connection drives the disc without the need for screws or pins. The close tolerance, double "D" or "Square" connection that drives the valve disc are an exclusive feature of the SISCO valve. Disassembly of the shaft is just a matter of pulling the stem out of the disc.

Blow-out Proof

A retaining ring, installed between the machined stem groove and gland retainer step, provides full retention of the stem in the unlikely event of internal stem failure.

Primary & Secondary SEALS

These seals prevent line media from coming in contact with the stem or body. Primary Seal is achieved by an interference fit of the molded seat flat with the disc hub. Secondary Seal is created because the stem diameter is greater than the diameter of the seat stem hole. Self-adjusting triple O-ring sealing is also applied to give positive sealing in both directions and prevents external substances from entering the stem bore.

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Butterfly Valve Series

GENERAL FEATURES

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Actuator Mounting

Due to a modular concept of design, all SISCO actuators including Handles, Gear Operators, Pneumatic and Electric Actuators mount directly to SISCO resilient seated valves. No brackets are required. This allows for simple installation in the field, minimizes possible misalignment and reduces overall height.

STANDARD MATERIALS

| Nominal Dimension | Nominal Pressure | Connectivity Standard | Part Name | Material |
|---------------------------------|------------------------|-------------------------------------|----------------|---------------------------------|
| Available DN50 ~ DN600 | Available PN10 or PN16 | Available DIN PN10/16 or ANSI 150lb | Body | Cast Iron Ductile Iron |
| | | | Body Coating | Epoxy Coating |
| | | | Disc | ASTM 304 Stainless Steel |
| | | | | ASTM 316 Stainless Steel |
| | | | | Super Duplex Stainless Steel |
| | | | | Aluminum Bronze |
| | | | Disc Surfacing | Electroplate |
| | | | | Nylon Coating |
| | | | | Halar Coating |
| | | | | Coated with NBR |
| | | | | Coated with PTFE |
| | | | Stem | ASTM 304 Stainless Steel |
| ASTM 316 Stainless Steel | | | | |
| ASTM 416/420 Stainless Steel | | | | |
| Super Duplex Stainless Steel | | | | |
| Monel Metal | | | | |
| Seat | NBR EPDM | | | |

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