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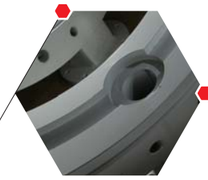
RBV020

Lugged 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 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.

Lugged Resilient Seated Butterfly Valve

RBV020 Series

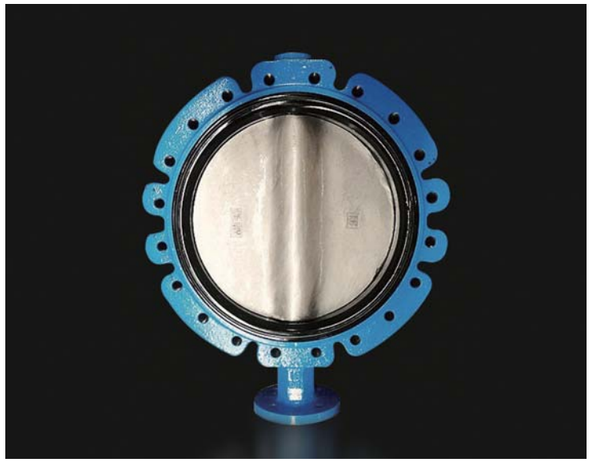
Butterfly Valve RBV020 Series

SISCO RBV020 series are specially designed as the line of concentric resilient seated butterfly valve, suitable for DEAD-END services.

SISCO RBV020 series is designed to meet the stringent requirements of wide range of industries worldwide. There are two different exteriors while sharing the same general and design features.

RBV020-C2 SERIES

Lug type concentric soft backup seat with groove and tongue designing, size from **2"-24" (DN50-600)**



RBV020-H SERIES

Lug type concentric hard backup seat designing, size from 2"-24" (DN50-600)

- 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

RBV020
Butterfly Valve Series

DESIGN FEATURES

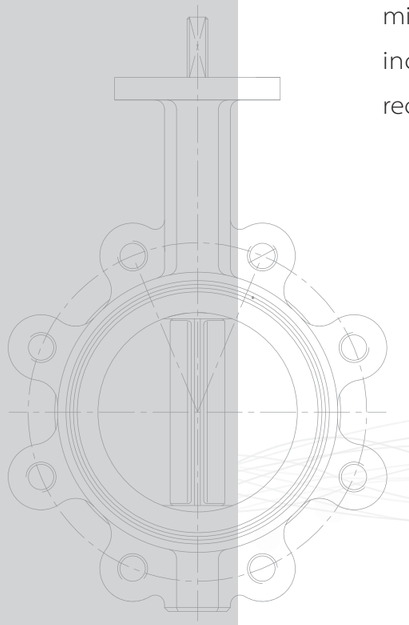
1. Bi-directional bubble tight shut off, zero leakage.
2. Full EPDM lined valve interior isolating the line media from the body.
3. Dry shaft feature isolating the line media from the shaft and therefore standard shaft material can be used.
4. Smaller operating torque.
5. Light weight and volume lowering cost and achieving easy installation.
6. Full bore feature results in higher Cv value.

GENERAL FEATURES

Body
One piece LUG style. Valve mounting top flanges meet ISO 5211 standard for direct mounting of manual operators and power actuators.

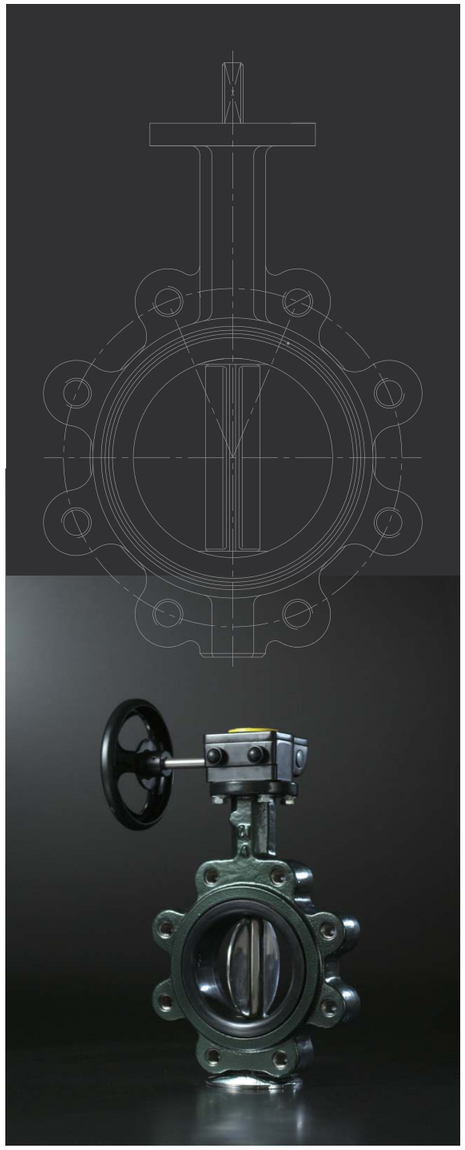
Seat
SISCO's tongue and groove seat design lowers torque and provides complete isolation of flowing media from the body. The seat also features a molded O-ring which eliminates the use of flange gaskets. The seat isolates the valve body and stem from line media and has been specifically designed to seal with slip-on or weld-neck flanges.

Disc
High strength discs are casted by once, 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.



RBV020
Butterfly Valve Series

GENERAL FEATURES



Shaft

Alternative to high corrosion resistance shaft materials, RBV020 is equipped with the dry shaft design because of its concentric nature and axial sealing design, where shaft with standard material is completely isolated from the flowing media.

One shaft pin-less and double shafts pin-less design are available to be chosen depending on customers' 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 exclusive features of the SISCO valves. Disassembly of the shaft is just a matter of pulling the stem out of the disc.

GENERAL FEATURES

Shaft Bushing

Non-corrosive, phenolic resin bushing absorbs actuator side thrust.

Blow-out Proof

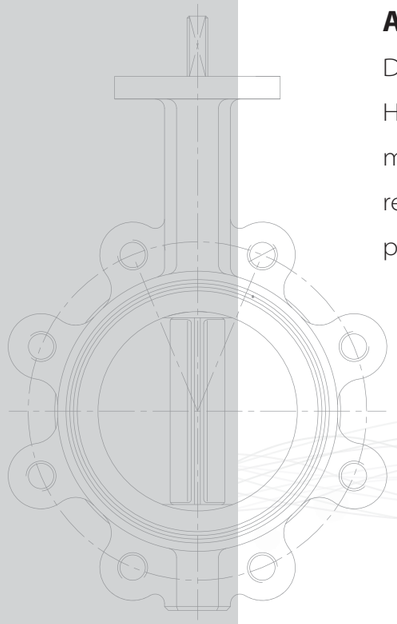
A retaining ring, installed between the machined stem groove and gland retainer step, provides full retention of the stem in the unlikely event of internal stem failure.

Primary & Secondary Seals

These seals prevent line media from contacting with the stem or body. Primary Seal is achieved by an interference fit of the molded seat flat and 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.

Actuator Mounting

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



RBV020
Butterfly Valve Series

STANDARD MATERIALS

Nominal Dimension	Nominal Pressure	Connectivity Standard	Part Name	Material
Available DN50 ~ DN600	Available PN10 or PN16	Available in all international standards according to custmer's requirements	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
				EPDM-Food Grade
				Viton
				Silicon Rubber
				PTFE

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