CONTACT US

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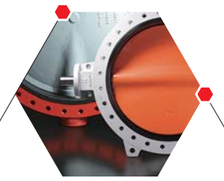
SISCO

RBV030

U-Type 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.

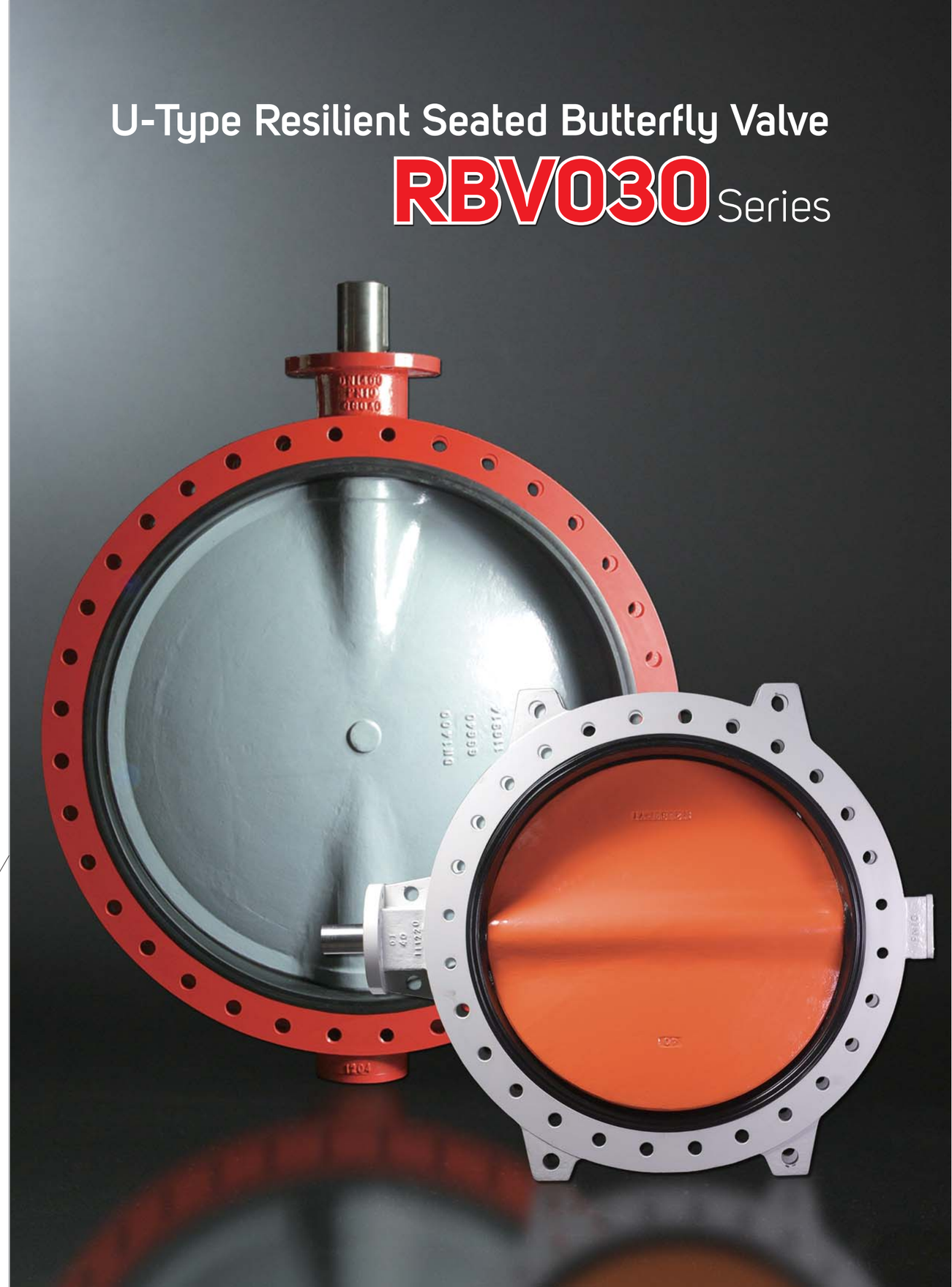
SISCO exports worldwide to regions including the Americas, Europe, and the Middle East. Our valves have also exhibited outstanding performance on domestic markets, serving as the control node for systems such as petroleum pipelines, heat supply pipelines, water supply pipes, chemical pipelines, and sewage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

U-Type Resilient Seated Butterfly Valve

RBV030 Series

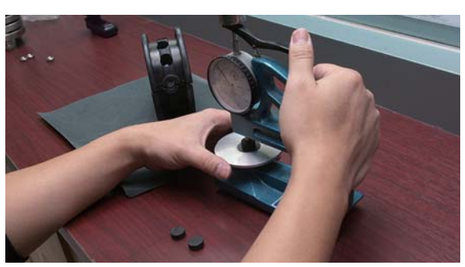


RBV030

Butterfly Valve Series

PRODUCTION CAPABILITY AND CERTIFICATE

01 02



Certificate of Quality System Approval

This is to certify that the product listed below conforms to the requirements of the

Pressure Equipment Directive

97/23/EC Annex III Module H

Certificate Number	HPIVS/P1001-104-Q-02
Date of Issue	10-Jun-2015
Date of Expiry	04-Mar-2017 (surveillance due Mar 2016)
Manufacturer	Sisco Valve Manufacturing (Tianjin) Co., Ltd. 26 Jingli Road, Beichen Technology Park Jinwei Road, Beichin District Tianjin, 300402, China
Description of Pressure Equipment	Gate Valves - DN50 to 600, PN10 & 16, EN1171 Check Valves - DN50 to 600, PN10 & 16, EN 12334 Butterfly Valves - DN50 to 1800, PN10, 16 & 25, EN 593 when EN certified material are used for the main pressure bearing parts
Equipment Identification	As shown on nameplates
Other Certification Standards Applied	DNV Business Assurance ISO 9001 certificate No 60070-2009-AQ-RGC-RvA See description
Report Reference	HPIVS/P1001-104-2

This Certificate is valid in any European Economic Area Member Stats.

This Report has been issued by HPI Verification Services Ltd which is a body notified to the European Commission according to the provisions of the Pressure Equipment Directive (Notified Body number 1521).

This Report is issued following the assessment of the documentation and implementation of the Quality System in accordance with the provisions of the quoted Conformity Assessment Module of the above directive. The CE Mark may be affixed to the Pressure Equipment within the scope of approval as described above once the EC 'declaration of conformity' has been signed by the responsible person. The number '1521', being HPI Verification Services Notified Body number should also be placed on the equipment dataplate.

Managing Director

Technical Director

РОССИЙСКАЯ ФЕДЕРАЦИЯ

СЕРТИФИКАТ СООТВЕТСТВИЯ

(обязательная сертификация)

№ C-CN.A^75.B.04653

ЗАЯВИТЕЛЬ SISCO Flow Control CO., LTD. Адрес: Room 1509-1511, Road, Tianjin, China.

ИЗГОТОВИТЕЛЬ SISCO VALVE MANUFACTURING CO., LTD. Адрес: ROAD,TECHNOLOGY PARK,BEICHEN,TIANJIN,

ОРГАН ПО СЕРТИФИКАЦИИ ООО «ПродМанТест». 127015, Телефон/факс: (495) 763 4799/(4

Аттестат рег. № РОСС RU.0001.11АГ75 выдан 28.10.2011г. Федеральн регулированию и метрологии.

ПОДТВЕРЖДАЕТ, ЧТО ПРОДУКЦИЯ Арматура трубопроводная т.м. SISCO: Клапа Задвижки, Клапаны обратные поворотные по Приложению (бланк № 0412720). Сериийный

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ ТЕХНИЧЕСКОГО РЕГЛАМЕНТА (ТЕХНИЧЕСКИХ РЕГЛАМЕНТОВ) Технический регламент о безопа машин и оборудования (Постан Правительство РФ от 15.09.2009

ПРОВЕДЕННЫЕ ИССЛЕДОВАНИЯ (ИСПЫТАНИЯ) И ИЗМЕРЕНИЯ Протокол исследований № 34174 лаборатория ООО «ПродМанТес от 28.10.2011, адрес: 127015, Москва, Бутырский пр.,14, стр.1

ПРЕДСТАВЛЕННЫЕ ДОКУМЕНТЫ

СРОК ДЕЙСТВИЯ СЕРТИФИКАТА СООТВЕТСТВИЯ с 22.10.

Руководитель (заместитель руководителя) органа по сертификации

Эксперт (эксперты)

DNV·GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 60070-2009-AQ-RGC-RvA

Initial certification date: 1 September, 2008

Valid: 2 September, 2015 - 3 September, 2018

This is to certify that the management system of

Sisco Valve Manufacturing (Tianjin) Co., Ltd.

26 Jingli Road, Beichen Technology Park, Jinwei Road, Beichen District, Tianjin, 300402, P.R. China (Organization Code: 773638145)

has been found to conform to the Quality management system standard:

ISO 9001:2008/GB/T 19001-2008

This certificate is valid for the following Scope:

Design, Development and Manufacture of Butterfly Valves, Check Valves, Gate Valves and Assorted Parts

Place and date: Shanghai, 4 September, 2015

For the issuing office: DNV GL – Business Assurance Suite A, Building 9, No.1591 Hongqiao Road, Changning District, Shanghai 200336, P.R. China TEL: +86 21 32064518

The RvA is a signatory to the IAF MLA

Chen Yi
Management Representative

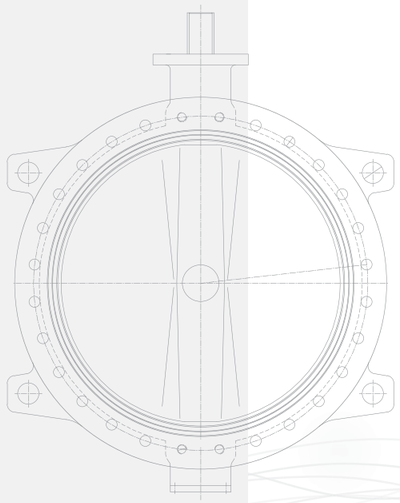
RBV030
Butterfly Valve Series

FIELD OF APPLICATION

RBV030
Series

SISCO RBV030 series is the U-Type line of concentric, resilient seated, heavy duty and large diameter butterfly valves design to meet the stringent requirements of water industry applications and to provide reliable performances under various working conditions. SISCO RBV030 series is design to meet the stringent requirements of wide range of industries that including:

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



DESIGN FEATURES

1. Bi-directional bubble tight shut off, zero leakage.
2. Full EPDM lined valve interior isolating the pipeline media from the body.
3. Dry shaft feature isolating the pipeline 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.

RBV030
Butterfly Valve Series

GENERAL FEATURES

Body

One piece full double flanged style. All bodies are drilled to be compatible with AWWA C207, ANSI B16.1, ASME 125/150, PN 10 or other international flange standards.

Seat

The replaceable tongue and groove resilient seat ensures lower torque and provides complete isolation of flowing medium from all valve components (excluding the disc) by a totally encasing design. Molded seat O-ring provides seal between valve and pipe flanges which eliminates requirements of flange gaskets. EPDM is the abbreviated name for Ethylene Propylene Diene Monomer. In general industry, one may see other abbreviations or trade names used in lieu of EPDM such as EPT, Nordel, ECD, or EPR. Typically these are the same materials as EPDM. EPDM is a standard seat material offered in SISCO resilient-seated butterfly valves. It is the most universal and economical of seat materials offered by SISCO; that is, it may be used in a wider range of applications than BUNA-N.

Disc

The high strength casting discs are casted by once, the sealing edges are spherically machined, and then hand polished to provide 360 ° concentric seating bi-directional bubble-tight shut off, minimum torque and longer seat life. The symmetrical disc profile enhances valve performance by increasing the Cv values, reducing turbulence and increasing pressure recovery. The disc O.D. clearance is designed to work with all standard piping.

DESIGN FEATURES

Shaft

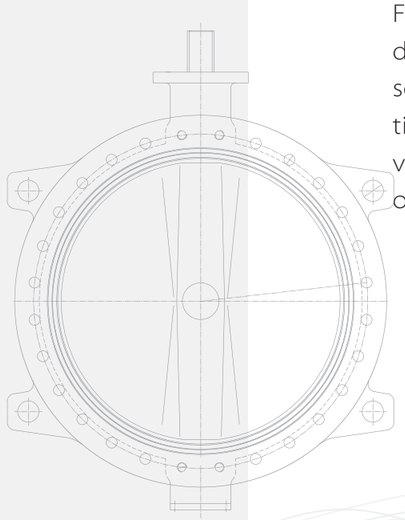
Alternative to high corrosion resistance shaft materials, RBV030 is equipped with the dry shaft design because of its concentric nature and axial sealing design, where shaft with standard material is completely isolated from the flowing media.

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 which drives the valve disc are exclusive features of SISCO valve. Disassembly of the shaft is just a matter of pulling the stem out of the disc.



RBV030 Butterfly Valve Series

GENERAL FEATURES

Axial

Primary and secondary 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.

Stem Bearing

Upper and lower heavy wall sleeve self-lubricating bearings (PTFE or bronze) are utilized to absorb actuator side thrust and minimize bearing friction torque.

Vertical Thrust Bearing

A bronze axial thrust bearing carries the disc weight when installed with shaft in vertical position and eliminates disc displacement due to the weight of the stem and disc.

Nominal Dimension	Nominal Pressure	Connectivity Standard	Part Name	Material
AVAILABLE DN50 ~ DN2400	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
			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