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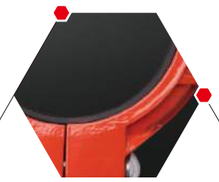
RC080

RC080 Series Coupling



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.

RC080
Coupling Series

PRODUCTION CAPABILITY AND CERTIFICATE

01 02

RC080 Coupling Series

FIELD OF APPLICATION

03 . 04

RC080 Series

RC080 Series is a line of concentric resilient seated coupling, which is designed to meet the stringent requirements of industrial applications and to provide reliable performances under various working conditions that faster connect to pipe that an economical alternative to welding, threading or using flanges.

- Water & Wastewater Treatment
- Desalination Plants
- Irrigation
- District Cooling System
- HVAC
- Power stations / FGD
- Petroleum Refining & Oilfield
- Shipbuilding
- Marine
- Steel Production
- Aluminum Production
- Mining Applications
- Chemical Applications
- Ultrapure Water
- Pharmaceutical
- Food Processing
- Beverage
- Brewing/Wine Making
- Sugar/Ethanol
- Pulp & Paper

DESIGN FEATURES

General Features

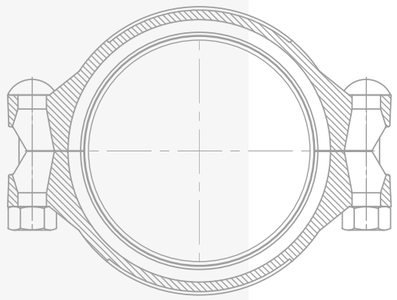
International Compatibility
Full Rubber Lining
Pre-assembled for Faster Connection
Easy installation & Maintenance
Full bore feature

A Full rubber lined designing

■ Full rubber lined designing used by rubber material that insulate the fluid and coupling with fully sealing so that save working cost

B Easy installation and replacement

■ Light designing so that easy transportation and installation at site
■ Bolts installation more easily and quickly.



RC080 Coupling Series

LEADING DESIGN

Body

Two piece body faster tightly by bolts, easy and faster connection.

Surface Coating

Surface Coating: As standard body coating, Fusion Bonded Epoxy coating is applied for excellent corrosion resistance. Hammer painting, Nylon, PPS, Halar, and sweat proof coating are available as options.
Machined coupling body is carefully prepared before coating. SISCO standard procedure is Zinc coated before epoxy coating to achieve ideal quality. For customers who have special requirement of cost saving, sand blasting and acid-washing is implemented instead of zinc coating.

Liner

The replaceable tongue and groove resilient liner offers and provides complete isolation of flowing medium from all body components by a totally encasing design, According to different media that replaced by different rubber material for optional.

WORKING & ENVIRONMENT

Temperature Range

Depending on different materials used for the coupling seat, RC Series coupling is applicable to a wide range of working temperature.

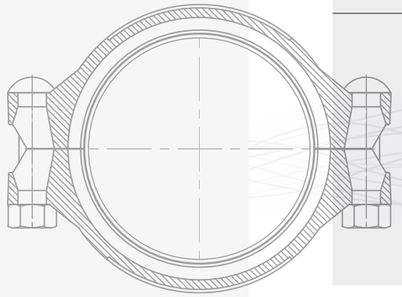
Material	Working Temperature
EPDM	-20 °F (-29℃)~250 (121℃)
BUNA-N	0 °F (-18℃)~212 °F (100℃)
Viton	0 °F (-18℃)~400 °F (204℃)
Polyurethane	-20 °F (-29℃)~176 °F(80℃)

Media

Different rubber material combinations in RC080 Series are available to be chosen according to different media and working conditions. Experienced senior SISCO engineers are here to serve you providing professional advices to meet your particular requirements.

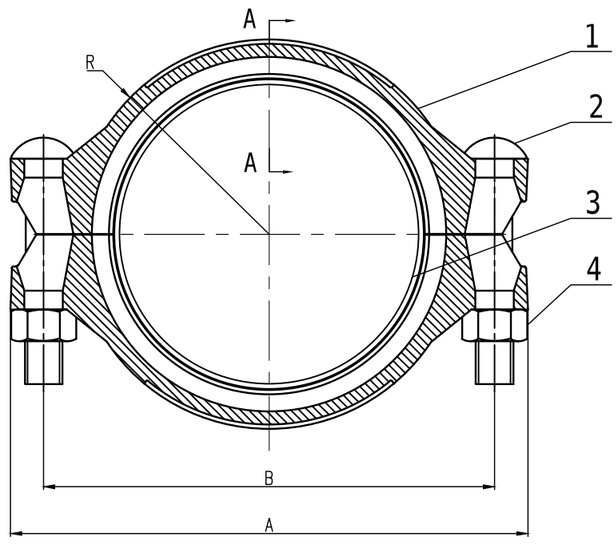
Bill of Material

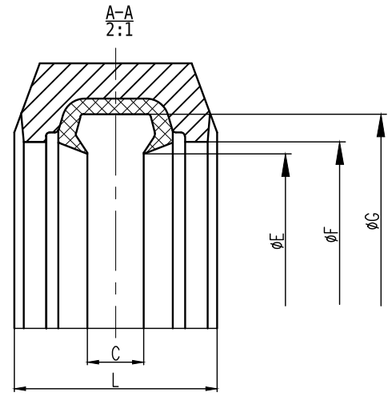
Part Name	Material
Body	Cast Iron
	Ductile Iron
Body Coating	Epoxy Coating
Disc Surfacing	Electroplate
	Nylon Coating
	Halar Coating
Seat	NBR
	EPDM/EPDM-
	Food Grade
	Viton
	Silicon Rubber



RC080 Series

DN50-300 KG-ZF-00





Design Standard
1. Valve design in accordance with GB/T 8260-2008
2. End connection in accordance with ANSI/AWWA C606

Size	A	B	C	L	ØE	ØF	ØG	R	Weight (kg)
50	135.2	108	12	46	51.8	58.2	68	45.5	1.2
65	152	121	12.5	46	66	70	81.5	52.3	1.29
80	162	136	12.5	46	80	86	96.5	60.5	1.41
100	205	176	14	54	104.2	111	123.5	75.5	2.39
125	239.7	204	10	54	130	137.8	149.5	91	4.36
150	273	223.5	15	53	158.5	165.8	177.2	104.5	3.8
200	351.72	303	18	63	206	216.96	235	135	8.57
250	411.8	348	18	66	258	270	290	162	11
300	462.6	406	19	68	313	320.8	340	183.5	12.93

Item NO.	Part Code	Part List	QTY.	Material List	Unit Weight	Total Weight	Remarks
4	DN50-300 KG-ZF-04	Nut	2	ASTM A36			
3	DN50-300 KG-ZF-03	Obturating ring	1	NBR			
2	DN50-300 KG-ZF-02	Bolt	2	ASTM A29 1045			
1	DN50-300 KG-ZF-01	lathedog	2	EN-JS1040			

Marks	REV. QTY.	E.C.N.	Sign	Date
Designed		Drawn		
Checked		Reviewed		
Process		Approved		
Standard		Date	18.12.21	

G/A Drawing

Drawing Marks	QTY.	Weight	Scale
A	1		1:2

SHEET OF

SISCO FLOW CONTROL CO.,LTD.

Model KRG

DN50-300 KG-ZF-00