

HEATING APPLICATION BALL VALVES



www.kamroo.com



KAMROO HOLDING
GROUP CO., LTD.

Add: No.28, Yongxing Road, Jiashan New
District, Haining city, Zhejiang, China
Tel: +86 (0)573 87975353
E-mail: info@kamroo.com

Service hotline 400 888 7275



Smart-tech Makes
Fully Welded Intelligence



Founded in 2012, KAMROO Holding Group is an innovative integrator focusing on “smart” manufacturing of valves. The core products are suitable for aggressive working applications such as low temperature, high temperature and high pressure, strong corrosion, and solids mixed media. They are suitable for industries such as petroleum, chemical industry, natural gas, electric power, thermal power, metallurgy, electronics, and new energy. The matching standards cover many industrial pipelines fields.

KAMROO strives to create an automation, digital, and intelligent platform, integrates profound technical accumulation and professional wisdom of the team, and provides superior product support and technical services for domestic and international clients, as well as provide customized solutions for end user.

KAMROO adheres to customer-oriented and guarantees system compatibility. We will continue to maintain the attitude and belief of concentration and ingenuity, adhering to safer, more reliable and smarter pipeline flow control technology and advanced design concepts to help you optimize working application, improve efficiency and save costs.

With a flexible and open attitude, KAMROO listens to the voice of the market, embraces multiculturalism, focuses on the construction of a global service system, and strives to become the preferred partner in the field of flow control. No matter where you are in the world, we look forward to keeping in close contact with you to understand your specific needs and provide precise services.





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HEATING APPLICATION BALL VALVES

Design standard: GB/T12237
 End connection: BW GB/T12224
 Face to face: GB/T12221
 Test and Inspection: GB/T13927
 Size range: DN15~DN500 mm
 Pressure range: PN1.6~PN4.0 MPa
 Working temperature: -40℃~+200℃
 DN: 15~150mm wrench operated
 DN: 150~500mm gear operated
 Operation: Electric, Pneumatic etc. Gear will be supplied with horizontal operation generally.
 End connection dimensions could be designed according to clients' requirements, such as GOST, EN, etc.



KAMROO fully welded ball valve
 with wrench operation
 (BW/BW)



KAMROO fully welded ball valve
 with gear operation
 (BW/BW)



Structure Specialty

Body is made of integral pipe by cold pressure welding to avoid any out-leakage. Spring loaded seat could well adapt the change of pressure and temperature, ensure precisely contacting between seat and ball. It makes valves with flexible operation on the basis of good sealing. Ball and stem by precisely machining would reduce the friction coefficient, that ensures good sealing and low torque. All above makes valves with leakage rate "A", small loading to piping and long service life.

Application

Area district heating and cooling system, heat ex-changer and all kinds of pipelines. Oil and gas industry.

Material Specification

Body: ASTM A53, 20 # or equivalent.
 Stem: AISI304 or equivalent.
 Ball: AISI304
 Stem sealing: VITON
 Stem bush bearing: 304+PTFE
 Seat insert: 25%C+PTFE

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HEATING APPLICATION BALL VALVES

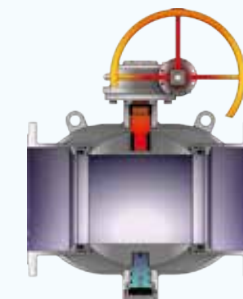
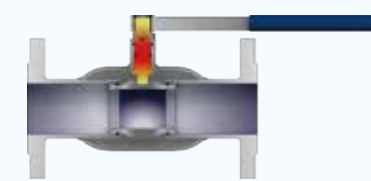
Design standard: GB/T12237
 End connection: Flange JB/T79、GB/T9113
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 (Flange/Flange)

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 (Flange/Flange)



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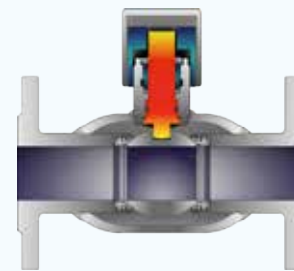
HEATING APPLICATION BALL VALVES

Design standard: GB/T12237
 End connection: Flange end JB/T79、GB/T9113; Welded end GB/T12221.
 Face to face: GB/T12221
 Test and Inspection: GB/T13927
 Size range: DN15~DN500mm
 Pressure range: PN1.6~PN4.0MPa
 Working temperature: -40℃~+200℃
 DN: 15~150mm wrench operated
 DN: 150~500mm gear operated

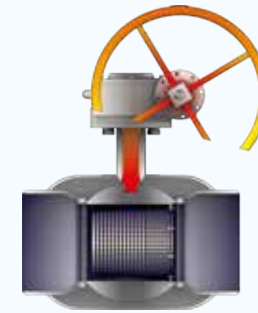
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KAMROO welded ball valves with locking devices



KAMROO welded ball valves with filter devices



Structure Specialty

Welded ball valves with locking devices:
 Valves consist of body, trim, stem and locking devices.
 Locking devices are designed as below:
 Stems connecting balls are put into locking hole of yoke,
 Spring, ratchet and ratchet wheel lock are loaded on the stem.
 After adjust the ball position, screw on the ratchet wheel lock to avoid any accidental operation.
 Locking devices can control on and off of a unit or group of the heating and water system, accidental operation would be stopped efficiently.
 Welded ball valves with filter devices:
 Impurities and larger size particles could be filtered.
 Impurities are stopped on the bottom of screens, and flow pass normally.
 It doesn't increase heat losing, create internal pressure, nor reduce valves' service life.
 Internal pressure could be released by relief valve when cleaning and maintenance of valves, then open the drain outlet to clean the screens.

Application

Area district heating, sewage treatment, air-conditioning pipe networks.

Material Specification

Body: ASTM A53, 20 # or equivalent.
 Stem: AISI304 or equivalent.
 Ball: AISI304
 Stem sealing: VITON
 Stem bush bearing: 304+PTFE
 Seat insert: 25%C+PTFE

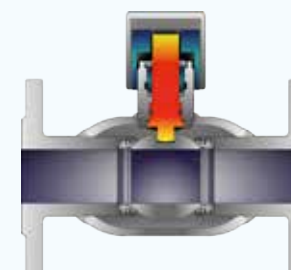
HEATING APPLICATION BALL VALVES

Design standard: GB/T12237
 End connection: Flange end JB/T79、GB/T9113; Welded end GB/T12221.
 Face to face: GB/T12221
 Test and Inspection: GB/T13927
 Size range: DN15~DN500mm
 Pressure range: PN1.6~PN4.0MPa
 Working temperature: -40℃~+200℃
 DN: 15~150mm wrench operated
 DN: 150~500mm gear operated

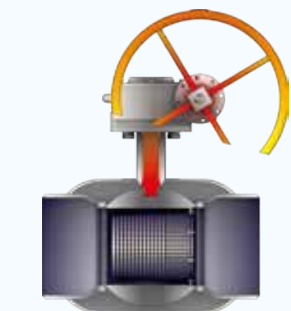
Operation: Electric, Pneumatic etc. Gear will be supplied with horizontal operation generally.
 Connection dimensions could be designed according to clients' requirements, such as GOST, EN, etc.



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 Stem: AISI304 or equivalent.
 Ball: AISI304
 Stem sealing: VITON
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 Seat insert: 25%C+PTFE



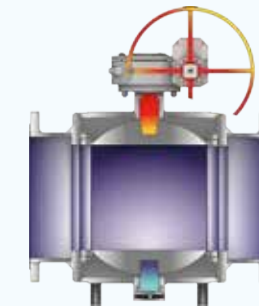
HEATING APPLICATION BALL VALVES

Design standard: GB/T19672
End connection: Flange end JB/T79, GB/T9113, welded end GB/T12224.
Face to face dimension: GB/T12221
Test and inspection: GB/T19672
Size range: DN600-DN1600mm.
Pressure range: PN1.6~4.0 MPa
Medium temperature: -40°C~ +200°C

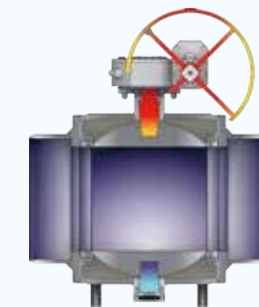
DN: 600~1600 mm gear operated
Operation: Electric, Pneumatic, Pneumatic-hydraulic, etc.
Gear will be supplied with horizontal operation generally.
End connection dimensions could be designed according to clients' requirements, such as GOST, EN, etc.



KAMROO Plate welded ball valve
(Flange/Flange)



KAMROO Plate welded ball valve
(BW/BW)



Structure Specialty

Bodies are made of steel plate by integrally welding to avoid any out-leakage.

Seat material are RPTFE(25%C+PTFE) 、PPL、metal-to-metal or VITON AED. Valve seat could be designed as DBB, DIB or DBB-DIB. It could well adapt the change of pressure and temperature, ensure precisely contacting between seat and ball. that makes valves with flexible operation on the basis of good sealing.

Ball and stem by precisely machining would reduces the friction coefficient, that ensures good sealing and low torque All above makes valves with leakage rate "A", small loading to piping and long service life.

Application

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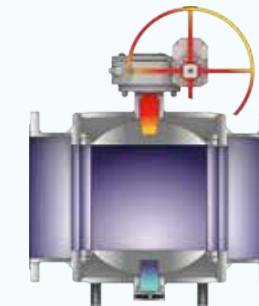
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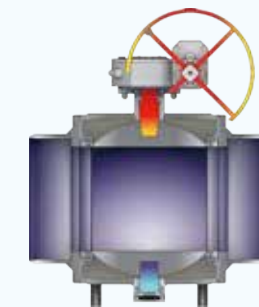
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