



JAINSONS INDUSTRIES



1971-2010



Forged Brass Valves
India's Famous Brand
Approved by Major Gas Companies

**AN ISO 9001 : 2008
CERTIFIED CO.**



 Approved Valves
 Approved Valves
EN331 Approved Valves



FEMALE GAS BALL VALVE



JSI Fire Brass Ball Valves are approved in accordance to the latest Euro Norms EN: 331:1998. **Approved by UL/FM/CSA.** Suitable for Water, Steam and Vacuum.

Can be used for Domestic and Commercial, Plumbing, Industrial Application, Sanitary, Pneumatic systems, Waterworks, Oil pipelines, Hot water services, Condensate services, Petrol & other hydrocarbon services and especially **FIRE FIGHTING**

Main Features :-

Body : Forged Brass, **Ball :** Forged brass, machined to mirror smooth finish, Hard Chrome plated, **Seat :** Pure PTFE conical arc cut, **Stem Seal :** Double "O" Ring of Viton Rubber (Silicon Free), **Nut :** Self locking Nyloc nut.

FORGED FILTER BALL VALVE



JSI-02 Forged Filter Ball Valves are manufactured in accordance with ISO 9001 and can be used for ; water works, heating systems, Sanitary, pneumatic systems, Protecting and expanding installation for the filtration of fluid, collecting impurities, sand, rust, metal shaving, assuring total protection of the system.

Main Features:-

*M.O.P. : 20 bars (300 psi), *M.O.T. : Fluid at - 20°C to 150°C, **Test**

Pressure : PN - 16, **Threading :** Standard female parallel threads to ISO 7/1, **Material :** **Body :** Hot pressed brass, nickel plated, **Ball :** Brass, machined to a micro - smooth finish, hard chrome plated, **Handle :** Hard duraluminium alloy A1 - Si 12, **Gaskets :** Conical rings in P.T.F.E. pure Teflon, **Strainer :** Stainless steel 18/8 Ø perforations 0.65 mm, **Vacuum :** 10 Torr., **Sizes :** 1/2" to 2".

FEMALE GAS BALL VALVE



JSI-03 Gas Ball Valves are approved in accordance to the latest Euro Norms EN : 331:1998. **Approved by Gujrat Gas.** Suitable for Water, Steam, Vacuum, Gas distribution such as Town Gas, Natural Gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial Application, Agricultural requirements and heating, sanitary, pneumatic systems, waterworks, oil pipelines, hotwater services, condensate services, petrol and other hydrocarbon services etc.

Main Features :-

Body : Forged Brass, **Ball :** Forged brass, machined to mirror smooth finish, Hard Chrome plated, **Seat :** Pure PTFE conical arc cut, **Stem Seal :** Double "O" Ring of Viton Rubber (Silicon Free), **Nut :** Self locking Nyloc nut, BSP Female Threads. The sealing dimensions and ball diameter allow a blind operating angle $\geq 10^\circ$, **On Request :** American NPT threads ANSI B1.20.1, **Working Pressure :** Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr. **Working Temperature :** Fluid at -20°C to +150°C, **Gas :** -20°C to +60°C, **Sizes :** 1/4" to 2".

FEMALE GAS BALL VALVE (WITH BUTTERFLY HANDLE)



JSI-04 Gas Ball Valves are approved in accordance to the latest Euro Norms EN : 331:1998. **Approved by GAIL INDIA & IGL.** Suitable for Water, Steam, Vacuum, Gas distribution such as Town Gas, Natural Gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial Application, Agricultural requirements and heating, sanitary, pneumatic systems, waterworks, oil pipelines, hot water services, and other hydrocarbon services etc.

Main Features :-

Body : Forged Brass, **Ball :** Forged brass, machined to mirror smooth finish, Hard Chrome plated, **Seat :** Pure PTFE conical arc cut, **Stem Seal :** Double "O" Ring of Viton Rubber (Silicon Free), **Nut :** Self locking Nyloc nut, BSP Female Threads. The sealing dimensions and ball diameter allow a blind operating angle $\geq 10^\circ$, **Handle :** Butterfly Handle, **On Request :** American NPT threads ANSI B1.20.1, **Working Pressure :** Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr., **Working Temp.:** Fluid at -20°C to +150°C, **Gas :** -20°C to +60°C, **Sizes :** 1/2" to 1". **Approved by Indraprastha Gas Ltd., New Delhi.**

FEMALE GAS BALL VALVE (WITH NOZZLE) FEMALE APPLIANCE VALVE



JSI-05 Female Gas Ball Valve with hose nipple is approved with European standard Gas applications (90/396/EEC) also in compliance to the latest Euro Norms EN:331:1998. Suitable for Water, Steam, Gas distribution such as Town Gas, Natural gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial applications, sanitary, pneumatic systems, waterworks, oil pipelines, hot water services, condensate services, petrol and other hydrocarbon

services etc. The **Female thread** with knurling provides full grip of PTFE thread seal tape covering any gaps properly & does not allow it to slip.

Main Features :-

Body : Forged Brass, **Ball :** Forged brass, machined to mirror finish, Hard Chrome plated, **HOSE UNION, CAP & STEM :** Machined from Brass rod, **Seat :** Pure PTFE conical arc cut, **STEM SEALS :** Double "O" Ring in Perbunan NBR - DIN 3635/1. **NUT :** Self locking Nyloc nut, BSP **female threads** with knurling, **Working Pressure :** Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr., **Working Temperature :** Fluid at -20°C to +180°C, **Gas :** -20°C to +60°C, **Sizes :** 1/4" to 1/2" BSPT/NPT.

MALE GAS BALL VALVE (WITH NOZZLE) MALE APPLIANCE VALVE



JSI-06 Male Gas Ball Valve with hose nipple is approved with European standard Gas applications (90/396/EEC) also in compliance to the latest Euro Norms EN:331:1998. Suitable for Water, Steam, Gas distribution such as Town Gas, Natural gas, LPG etc. Can be used for Domestic and Commercial, Plumbing, Industrial applications, sanitary, pneumatic systems, waterworks, oil pipelines, hot water services, condensate services. The

Male thread with knurling provides full grip of PTFE thread seal tape covering any gaps properly & does not allow it to slip.

Main Features :-

Body : Forged Brass, **Ball :** Forged brass, machined to mirror finish, Hard Chrome plated, **HOSE UNION, CAP & STEM :** Machined from Brass rod, **Seat :** Pure PTFE conical arc cut, **STEM SEALS :** Double "O" Ring in Perbunan NBR - DIN 3635/1. **NUT :** Self locking Nyloc nut, BSP **male threads** with knurling, **Working Pressure :** Water 20 bar, Gas 10 bar, Vacuum 10^{-3} Torr., **Working Temperature :** Fluid at -20°C to +180°C, **Gas :** -20°C to +60°C, **Sizes :** 1/4" to 1/2" BSPT.

* M.O.P. :- Maximum Operating Pressure, * M.O.T. :- Maximum Operating Temperature

FEMALE BALL VALVE WITH UNION



JSI-07

JSI-07 Ball Valves with Union are manufactured in accordance with ISO 9001 and can be used for : domestic and commercial plumbing, industrial applications, agricultural requirements and heating, sanitary, pneumatic systems, waterworks, hot water services, condensate lines and is suitable for generally with every non-aggressive fluid.

Main Features :-

***M.O.P.** : 20 bar (300 psi), ***M.O.T.** : Working limit for fluids at - 20° C to 150° C, **Test pressure** : PN - 16, **Threading** : BSP, **Materials** : **BODY** : Brass, **Ball** : Brass, machined to a micro-smooth finish, Hard chrome plated, **Handle** : Dacromet rugged steel with PVC grip, **Ball Gaskets** : Conical rings in P.T.F.E. pure Teflon, **Vacuum** : 10 Torr., **Sizes** : 1/2", 3/4", 1".

JOLLY CHECK VALVE



JSI-09

JSI-09 Jolly Check Valves can be used for : heating, sanitary, compressed air systems, pumps, autoclaves. It is suitable for installation either in vertical, horizontal or oblique pipelines to allow flow in one direction.

Main Features :-

The Jolly Check Valve opens & lifts under pressure of 0.25 bar (4psi) & is free to rotate. An arrow on the body indicates the direction of flow.

ADVANTAGES : Low pressure drop, prevents water, hammer, compact design, noiseless in operation, no risk of fluid reverting the flow direction, full flow area equal to nominal size, safe & reliable in operation.

Body & End Connector : Hot forged brass, **Spring** : 18/8 AISI 302 stainless steel, **Inner Valve** : Hostaform, **Valve Face** : NBR rubber, **Threading** : Female parallel threads to ISO 7/1, **Hydrostatic Test Pressure** : Shell 10 bar (150 psi), Seat 10 bar (150 psi), **Sizes** : 1/2" to 2".

FORGED FOOT VALVE WITH S.S. SCREEN



JSI-11

JSI-11 Foot Valves with S.S. Screen can be used for ; pumping of liquids from underground tanks. It is suitable for installation in vertical pipelines to allow fluid in one direction.

Main Features :-

The Foot Valves inner valve opens and lifts under pressure of 0.25 bar (4 psi) and free to rotate and fitted with an S.S. Screen.

Body & End Connectors : Hot forged brass, **Spring** : 18/8 AISI 302

stainless steel, **Inner Valve** : Hostaform, **Valve Face** : NBR Rubber, **Threading** : Female parallel threads to ISO-7/1, **Pressure** : Shell 10 bar (150 psi), Seat 10 bar (150 psi), **Sizes** : 1/2" to 2".

FORGED BRASS GATE VALVE



JSI-08

JSI-08 Gate Valves are manufactured in accordance with BS 5154/B - PN 16 and can be used for : heating plants, sanitary systems, plumbing services, waterworks, pneumatic systems & steam.

Main Features :-

Body, Bonnet, Wedge : Forged brass, **Stem and Metal Components** : Machined from extruded brass, **Packing** : Suitable to a maximum temperature of 250° C,

Gland Packing : Asbestos free AF15 heat resistant fibre, elastomers, synthetic resin and PTFE, suitable to max. temp. of 250° C, **Handwheel** : Registered "JSI" model in hard duraluminium A1-SI 12 alloy showing "On-Off", BSP Female Threads, Integral seat in accordance in nominal dimension. **Hydrostatic Test Pressure** : Shell 25 Bar (350 psi), Seat 15 Bar (250 psi), **Sizes** : 1/2" to 6".

FORGED SWING CHECK VALVE



JSI-10

JSI-10 Forged Swing Check Valves can be used for heating, sanitary, compressed air systems, pumps, autoclaves, handling water, air, vacuum etc. Can be used for vertical, horizontal or oblique pipelines to allow flow in one direction.

Main Features :-

The forged swing check valve opens and lifts under pressure of 0.25 bar (4psi), very low pressure drop, prevents water hammer. Compact

design, noiseless operation, dent proof hostaform soft seating. Full flow area equal to nominal size.

Body : Forged Brass, **Spring** : Conical tempered spring in SS 316, **Inner Valve** : Hostaform, **Valve Face** : NBR rubber, **ENDS** : Screwed BSP Female x female ends, **Pressure** : Shell 20 Bar Hydro, Seat 15 Bar Hydro, **Temp** : -10°C to +80°C, **Sizes** : 1/2" to 2".

FORGED BALL BIB COCK (DETACHABLE HOSE FIXED HOSE)



JSI-12A



JSI-12B

JSI-12 Ball Bib Cock are manufactured in accordance with ISO 9001 and can be used for domestic plumbing, industrial applications, dispensing units and with all general applications where an attachment may be required to accommodate connection with external hoses.

Main Features :-

Heavy design enables exceptional wear resistance superior to traditional bib cock, completely leak proof. **Body** : Forged Brass, **Ball** : Forged brass, machined to mirror smooth finish, hard chrome plated, **Seat** : Pure PTFE conical arc cut, **Stem Seals** : PTFE, **Handle** : Duraluminium alloy, BSP male threads with knurling, ***M.O.P.** : 20 bar, ***M.O.T.** : Fluids -10°C to +100°C, **Sizes** : 1/2", 3/4".

BRASS FEMALE Y-TYPE STRAINER



JSI-14 Brass Female Y-Type Strainer is manufactured in accordance with ISO 9001 & can be used for commercial plumbing where clean water filtered out of 80/100 Micron filter is required, is used before water meter - Dental chair and to separate dust particles out of water for industrial purpose.

M.O.P : 20 bar (300 psi), **M.O.T** : Fluids at -20°C to 150°C

Sizes: 1/2" to 2" BSP.

A.C. BALL VALVE SET



JSI-16 A.C. Ball Valve Set with strainer & without strainer are manufactured as per ISO 9001 & can be used in Industrial Air Conditioning.

Sizes : 3/4 x 5/8, 1" x 5/8".

AIR VENT VALVE



JSI-15 Air Vent Valve is manufactured in accordance with ISO 9001 & can be used for domestic & commercial plumbing, industrial applications, heating, sanitary, pneumatic systems, water works, hot water services, condensate services etc. where air pocket formation causes problems.

Main features :-

The Air Vent Valve allows the accumulated air in pipeline networks to breathe out of the systems thus

removing air pockets and eventually eliminating related problems such as noise, erratic water supply etc.

Body : Brass, **Max. Inlet Pressure** : 10 Bar, **Min. Working Pressure** : 0.1 Bar, **M.O.T** : 115°C. **Size** : 1/2" to 1"

PRESSURE REDUCING VALVE (S.S. PARTS)



JSI-17 Pressure Reducing Valve with SS Parts is suitable for controlling the outlet pressure of water in various applications such as before appliances, sanitary, domestic & Industrial plumbing requirements etc.

Main features :-

Metallic brass diaphragm system for better pressure control.

Max. Inlet : 15 Bars, **Outlet Range** : 0.5 - 6 Bars, Tested at 20 Bar.

Body : Forged brass, **Seal** : Stainless

steel, "O" Ring : **NBR Ends** : Screwed BSP female ends. **Sizes** : 1/2" to 1".



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