ARMSTRONG STEAM & ENGINEERING

Pty. Ltd.

Valves, Actuators & Pipeline Specialties

BOILER ANCILLARIES
- Safety Relief
- Bypass Valves
- Level Control
- Check Valves
- Temp Control

PROJECT SPECIALTIES
- Strainers
- Actuation
- Electric
- Pneumatic

PETRO-CHEMICAL FACILITES
- Steam Traps
- Ball Valves
- Trap Surveys
- Steam Jackets
- Steel Valves

HOSPITALS HEALTH CARE
- Water Heaters
- PRV's
- Thermostatic
- Steam Traps

PROCESSING PLANTS
- Sight Glasses
- Ball Valves
- Gate Valves
- Check Valves
- Globe Valves

FOOD & DAIRY INDUSTRIES
- Flow Indicator
- Steam Filters
- Exp Joints
- Steam Mixing

LAUNDRIES & DRY CLEANERS
- Separators
- Air Vents
- Steam Hoses
- Steam Valves
- Pressure Valves

ABATTOIRS & MINING PROCESS
- Control Valves
- Foot Valves
- Air Vents
- Liquid Drainers

From Concept to Conclusion

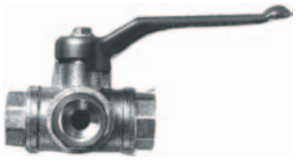
www.armstrongsteam.com.au

BALL VALVES

FOR GENERAL APPLICATIONS

ASE - 45
Brass ball valve.
Full bore.
Blowout proof stem.
Chrome plated ball.
Steel lever.
Nickle plated body.

FEATURE: Independently adjustable gland.
OPTIONS: Full range of actuation. "T" Handles.
SIZES: 8 - 100 mm BSPT / NPT
CWP: 4000 kPa
STEAM: 800 kPa **MAX TEMP:** 185 Deg C



ASE - 70-71
3 way 'L' or 'T' port.
Brass ball valve.
Reduced bore.
Chrome plated ball.
Steel lever.
Nickle plated body.

FEATURE: Independently adjustable gland.
OPTIONS: Full range of actuation.
SIZES: 8 - 100 mm BSPT / NPT
CWP: 4000 kPa
STEAM: 400 kPa **MAX TEMP:** 185 Deg C

ASE - 50-100
316 Stainless Steel
Full bore ball valve
Adjustable gland.
Quality construction at a reasonable price.

FEATURE: Repair kits are available ex stock.
OPTIONS: Locking lever.
SIZES: 8 - 100 mm BSPT / NPT
CWP: 7000 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

ASE - 2057 / 58
316 Stainless Steel
Reduced bore ball valve.
Adjustable gland.
2057 = L Port
2058 = T Port

FEATURE: 4 seats ensures closure on all ports.
OPTIONS: Full range of actuation. Locking lever
SIZES: 8 - 50 mm BSPT / NPT
CWP: 7000 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

ASE - 2017
316 Stainless Steel
Reduced Bore.
Ball valve.
PTFE seats.
Investment cast.

FEATURE: Economical Price. Compact design.
OPTIONS: Locking levers. Male x Female ends.
SIZES: 8 - 50 mm BSPT / NPT
CWP: 7000 kPa
STEAM: 700 kPa **MAX TEMP:** 185 Deg C

ASE - 7000 Series
Cast Iron = D
Cast Steel = C
316 Stainless Steel =A
Full bore, Flanged ball valve.

FEATURE: Economical design. Repair kits available.
OPTIONS: Full range of actuation. Locking Lever
SIZES: 15 - 200 mm ANSI 150 / 300 Table E
CWP: 150# = 1965 kPa / 300# = 5100 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

ASE - 8141 / 42
Cast iron or 316 SS
3 way ball valve
Full bore.
One piece trunnion mounted ball and stem.

FEATURE: 4 seats ensures closure on all ports.
OPTIONS: Full range of actuation. Table "E"
SIZES: 50 - 200 mm ANSI 150 / ANSI 300
CWP: 150# = 1965 kPa / 300# = 5100 kPa
STEAM: 700 kPa **MAX TEMP:** 185 Deg C

ASE - 30L / 30T
3 or 4 way ball valve full bore.
Heavy bolted body construction.
Trunnion mounted ball.
RTFE seats.

FEATURE: Easily replaced seats and stem seals.
OPTIONS: Cast Steel or Cast Stainless Steel body.
SIZES: 40 - 300 mm ANSI 150 / ANSI 300
CWP: 150# = 1965 kPa / 300# = 5100 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

BALL VALVES

FOR SPECIAL APPLICATIONS

At Armstrong Steam & Engineering we have been supplying ball valves for special applications for many years. Our range is comprehensive, covering applications such as Steam Jacketed valves to prevent product from solidifying in valve body. High purity valves with cavity filler seats for Clean In Place / Steam In Place applications. Fitted with polished wetted parts and Tri-Clover clamp ends. Our TSM Emmision monitoring units give peace of mind for critical applications such as ammonia and other chemicals. All valve modifications are carried out in our own workshops, giving you very quick delivery times and a high degree of quality control. If the perfect valve for your application is not shown in this catalogue then please ask as it is likely that we have a valve in stock that can be prepared to suit. Armstrong Steam & Engineering are totally committed to keeping a full range of spare parts for all the valves we sell, giving you a reliable product for an extended period and reducing your overall cost of ownership.

ASE - 70-SJ
Steam jacketed ball valves, for applications where product will solidify. Sulphur, Chocolate, Mollases, Tallow and other solidifying products.

FEATURE: Fabricated steam jacket to suit.
OPTIONS: Full range of actuation.
SIZES: 8 - 200 mm BSPT / NPT / FLANGED
CWP: up to 7000 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

ASE - 70 - TSM
Secondary Containment Monitoring for fugitive emmisions. If the primary stem seal has failed this provides a monitored area to alert maintenace staff.

FEATURE: Fits our standard range of valves.
OPTIONS: Direct mounting of actuator.
SIZES: 8 - 100 mm
CWP: 7000 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

ASE - 70 - BV
316 stainless steel ball valve with back vented ball for relieving downstream pressure when valve is closed. Used to render systems safe.

FEATURE: Repairable. Lockable.
OPTIONS: Full range of actuation.
SIZES: 8 - 100 mm BSPT / NPT / SW
CWP: 7000 kPa
STEAM: Not suitable. **MAX TEMP:** 185 Deg C

ASE - 50 - TB
Tank bottom ball valve in 316 s/s. Welded directly to the bottom of curved bottom tanks for complete purging of tank contents. Full bore, repairable.

FEATURE: Quality construction. Lockable.
OPTIONS: Cavity filler seats. Spring return lever.
SIZES: 25 - 100 mm BSPT / NPT / BW / SW
CWP: 7000 kPa
STEAM: Not suitable **MAX TEMP:** 185 Deg C

ASE - 50 - SN
High Purity Valve Tube ID full port. Cavity filler seats. Tri-clover clamp or tube profile butt weld ends to suit your application.

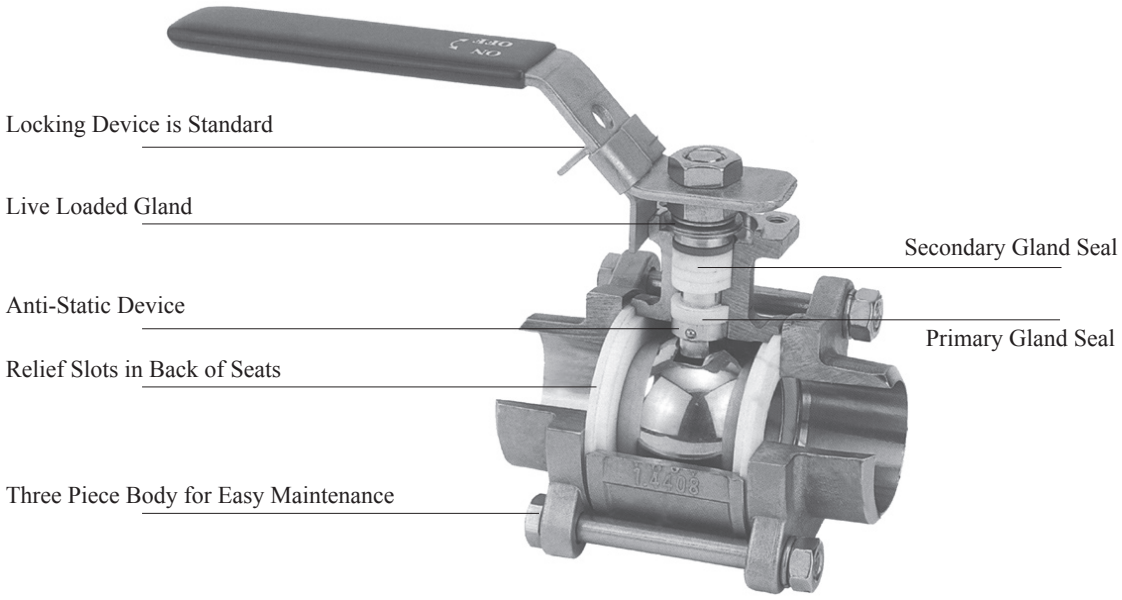
FEATURE: Wetted parts polished to 8-20 Ra
OPTIONS: Drain port for CIP/SIP
SIZES: 15 - 100 mm
CWP: 7000 kPa
STEAM: 1035 kPa **MAX TEMP:** 185 Deg C

ASE - 70 - DM
Dead-man spring return lever to close valve automatically when lever is released. These levers can be fitted to standard and firesafe versions.

FEATURE: Fail safe operation. Spring to close.
OPTIONS: Similar arrangements for butterfly valves
SIZES: 8 - 100 mm BSPT / NPT / FLANGED
CWP: up to 7000 ka
STEAM: Not suitable **MAX TEMP:** 185 Deg C

HIGH PERFORMANCE BALL VALVES

Maintenance Free, Live Loaded, Double Sealing, High Cycle Stem Seal System.

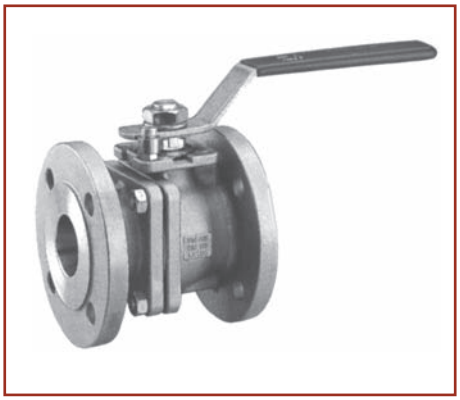


This high cycle stem seal design is accomplished by a double sealing system.

The 45 Degree Pyramidical Segment Ring in conjunction with the primary seal that sits just above the ring provide the first seal. Most of the media in the pipeline is contained at this point.

The secondary seal is achieved by a V-Ring chevron packing set often found in ball valves that are significantly more expensive than the 70 and 90 Series valves.

90 SERIES - FLANGED



70 SERIES - SCREWED

50/50 Seats for Saturated Steam applications up to 2100 kPa

All 70 Series screwed valves are kept in stock with a composite seat material which comprises 50% Teflon and 50% Stainless Steel Powder. This material has properties that make it suitable for prolonged use at temperatures that would be detrimental to either PTFE or Glass Filled PTFE. The 50/50 composite is an excellent material for use on Saturated Steam, even high cycle applications on actuated valves.

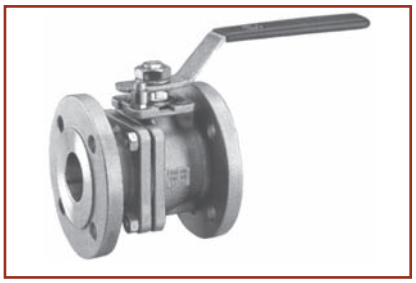
FIRE SAFE - CERTIFIED BALL VALVES

Maintenance Free, Live Loaded, Double Sealing, High Cycle Stem Seal System.

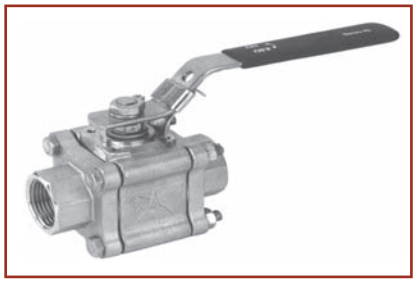
API 607 - 4th Edition
FIRE SAFE
CERTIFIED

Full material and hydro-test certification is available on request.
Body materials in A105 or CF8M carbon or stainless steels.
Full and reduced port. Also available with steam jackets.

90-FS SERIES - FLANGED



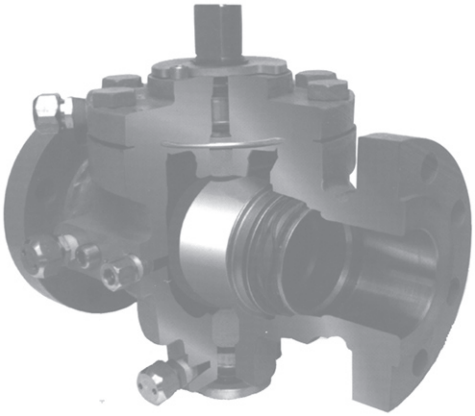
83 FS SERIES - SCREWED



This high cycle stem seal design is accomplished by a double sealing system.
The 45 Degree Pyramidical Segment Ring in conjunction with the primary seal that sits just above the ring provide the first seal. Most of the media in the pipeline is contained at this point. The secondary seal is achieved by a V-Ring chevron packing set often found in ball valves that are significantly more expensive than the 70 and 90 Series valves.

TRUNNION MOUNTED - HIGH PERFORMANCE VALVES

Trunnion Mounted all Valves for high specification applications. From ANSI Class 150 to Class 1500. These valves incoporate design features such as block & bleed, emergency sealing functions and of course Anti-Static and Fire Safe designs.
Full material and test certificates can be supplied.
A comprehensive catalogue on these valves can be supplied on request.



Special Service Valves

Cryogenic valves with extended spindles.

Live loaded body bolting.

Sour Gas Service (NACE MR0175)

Special surface finishes for corrosion resistance.

Pnuematic or ElectricActuation.

Steam Jacketed.