



02

VALVES

VALVES



Valves

COMMON VALVE TYPES

A **Ball Valve** is a valve with a spherical disc, the part of the valve which controls the flow through it. The sphere has a hole, or port, through the middle so that when the port is in line with both ends of the valve, flow will occur. When the valve is closed, the hole is perpendicular to the ends of the valve, and flow is blocked. The handle or lever will be inline with the port position letting you “see” the valve's position. The ball valve, along with the butterfly valve and plug valve, are part of the family of quarter turn valves.

Ball valves are durable and usually work to achieve perfect shutoff even after years of disuse. They are therefore an excellent choice for shutoff applications (and are often preferred to globe valves and gate valves for this purpose). Ball valves are used extensively in industrial applications because they are very versatile, supporting pressures up to 1000 bar and temperatures up to 752°F (500°C) depending on the ball valve design and material. Sizes typically range from 0.2 to 48 inches (0.5 cm to 121 cm). They are easy to repair and operate.

OzLinc supplies full bore, reduced bore, L-Port and T-Port in 2 piece and 3 piece valves in nickel plated brass and full 316 stainless steel.

Gate Valves are also known as a sluice valve, is a valve that opens by lifting a round or rectangular gate/wedge out of the path of the fluid. The distinct feature of a gate valve is the sealing surfaces between the gate and seats are planar, so gate valves are often used when a straight-line flow of fluid and minimum restriction is desired. The gate faces can form a wedge shape or they can be parallel. Gate valves are primarily used to permit or prevent the flow of liquids, but typical gate valves shouldn't be used for regulating flow, unless they are specifically designed for that purpose. Because of their ability to cut through liquids, gate valves are often used in the petroleum industry. For extremely thick fluids, a specialty valve often known as a knife valve is used to cut through the liquid

Butterfly Valves are valves which can be used for isolating or regulating flow. The closing mechanism takes the form of a disk. Operation is similar to that of a ball valve, which allows for quick shut off. Butterfly valves are generally favoured because they are lower in cost to other valve designs as well as being lighter in weight, meaning less support is required. The disc is positioned in the centre of the pipe, passing through the disc is a rod connected to an actuator on the outside of the valve. Rotating the actuator turns the disc either parallel or perpendicular to the flow. Unlike a ball valve, the disc is always present within the flow, therefore a pressure drop is always induced in the flow, regardless of valve position.

A butterfly valve is from a family of valves called quarter-turn valves. In operation, the valve is fully open or closed when the disc is rotated a quarter turn. The “butterfly” is a metal disc mounted on a rod. When the valve is closed, the disc is turned so that it completely blocks off the passageway. When the valve is fully open, the disc is rotated a quarter turn so that it allows an almost unrestricted passage of the fluid. The valve may also be opened incrementally to throttle flow.

A **Check Valve, Clack Valve, Non-Return Valve or One-Way Valve** is a valve that normally allows fluid (liquid or gas) to flow through it in only one direction.

Check valves are two-port valves, meaning they have two openings in the body, one for fluid to enter and the other for fluid to leave. There are various types of check valves used in a wide variety of applications. Check valves are often part of common household items. Although they are available in a wide range of sizes and costs, check valves generally are very small, simple, or inexpensive. Check valves work automatically and most are not controlled by a person or any external control; accordingly, most do not have any valve handle or stem. The bodies (external shells) of most check valves are made of plastic or metal.

An important concept in check valves is the cracking pressure which is the minimum upstream pressure at which the valve will operate. Typically the check valve is designed for and can therefore be specified for a specific cracking pressure.

A **Globe Valve**, different from ball valve, is a type of valve used for regulating flow in a pipeline, consisting of a movable disk-type element and a stationary ring seat in a generally spherical body.

Globe valves are named for their spherical body shape with the two halves of the body being separated by an internal baffle. This has an opening that forms a seat onto which a movable plug can be screwed in to close (or shut) the valve. The plug is also called a disc or disk. In globe valves, the plug is connected to a stem which is operated by screw action using a hand wheel in manual valves. Typically, automated globe valves use smooth stems rather than threaded and are opened and closed by an actuator assembly.

Stainless Steel 316 - 3-Piece Full Port Ball Valve 1000 WOG

| SIZE (mm) | BSP THREAD | NPT THREAD | DNV APPROVED |
|-----------|------------|------------|--------------|
| 8 | I868 008 | | |
| 10 | I868 010 | | I868 DNV10 |
| 15 | I868 015 | I868 NPT15 | I868 DNV15 |
| 20 | I868 020 | I868 NPT20 | I868 DNV20 |
| 25 | I868 025 | I868 NPT25 | I868 DNV25 |
| 32 | I868 032 | I868 NPT32 | I868 DNV32 |
| 40 | I868 040 | I868 NPT40 | I868 DNV40 |
| 50 | I868 050 | I868 NPT50 | I868 DNV50 |
| 65 | I868 065 | | |
| 80 | I868 080 | | |
| 100 | I868 100 | | |



Stainless Steel 316 - 3-Piece ISO Ball Valves (C/W ISO Mounting Pad)

| SIZE (mm) | BSP THREAD |
|-----------|------------|
| 15 | I868 ISO15 |
| 20 | I868 ISO20 |
| 25 | I868 ISO25 |
| 32 | I868 ISO32 |
| 40 | I868 ISO40 |
| 50 | I868 ISO50 |
| 65 | I868 ISO65 |
| 80 | I868 ISO80 |



2-Piece Full Port Ball Valve

| SIZE (mm) | SS 316 BSP | NICKEL PLATED BRASS BSP | SS 316 | DNV APPROVED |
|-----------|------------|-------------------------|------------|--------------|
| 8 | I861 008 | I840 DL08 | I861 NPT08 | |
| 10 | I861 010 | I840 DL10 | I861 NPT10 | I861 DNV10 |
| 15 | I861 015 | I840 DL15 | I861 NPT15 | I861 DNV15 |
| 20 | I861 020 | I840 DL20 | I861 NPT20 | I861 DNV20 |
| 25 | I861 025 | I840 DL25 | I861 NPT25 | I861 DNV25 |
| 32 | I861 032 | I840 DL32 | I861 NPT40 | I861 DNV32 |
| 40 | I861 040 | I840 DL40 | I861 NPT50 | I861 DNV40 |
| 50 | I861 050 | I840 DL50 | | I861 DNV50 |
| 65 | I861 065 | I840 DL65 | | |
| 80 | I861 080 | I840 DL80 | | |
| 100 | I861 100 | I840 DL100 | | |



02.1 :: Ball Valves



Stainless Steel 316 - 2-Piece Full Port BSP M/F Ball Valve 1000PSI

| SIZE (mm) | CODE |
|-----------|------------|
| 8 | I861 MF008 |
| 10 | I861 MF010 |
| 15 | I861 MF015 |
| 20 | I861 MF020 |
| 25 | I861 MF025 |
| 32 | I861 MF032 |
| 40 | I861 MF040 |
| 50 | I861 MF050 |



S/S 316 2-Piece Full Port BSP M/F Ball Valve 1000PSI C/W Dead Man Handle

| SIZE (mm) | CODE |
|-----------|-----------|
| 8 | I861 DH08 |
| 10 | I861 DH10 |
| 15 | I861 DH15 |
| 20 | I861 DH20 |
| 25 | I861 DH25 |
| 40 | I861 DH40 |
| 50 | I861 DH50 |



2-Piece Full Port BSP Ball Valve Butterfly Handle

| SIZE (mm) | SS 316 | CHROME PLATED FEMALE / FEMALE | CHROME PLATED MALE/FEMALE |
|-----------|-----------|-------------------------------|---------------------------|
| 8 | I861 BH08 | I866 008 | I866 0008 |
| 10 | I861 BH10 | I866 010 | I866 0010 |
| 15 | I861 BH15 | I866 015 | I866 0015 |
| 20 | I861 BH20 | I866 020 | I866 0020 |
| 25 | I861 BH25 | I866 025 | I866 0025 |
| 32 | | I866 032 | I866 0032 |
| 40 | | I866 040 | I866 0040 |



Chrome / Brass F/Bore - Key Lock Ball Valves

| SIZE (mm) | CODE | HANDLE |
|-----------|-----------|--------|
| 20 | I840 L020 | T |
| 25 | I840 L025 | T |
| 32 | I840 L032 | Lever |
| 40 | I840 L038 | Lever |
| 50 | I840 L050 | Lever |
| 40 | I861 DH40 | Lever |
| 50 | I861 DH50 | Lever |

PVC BSP Ball Valves

| SIZE (mm) | CODE |
|-----------|---------|
| 15 | 844 015 |
| 20 | 844 020 |
| 25 | 844 025 |
| 32 | 844 032 |
| 40 | 844 040 |
| 50 | 844 050 |
| 65 | 844 065 |
| 80 | 844 080 |
| 100 | 844 100 |



Poly BSP Ball Valves

| SIZE (mm) | CODE |
|-----------|---------|
| 15 | 853 015 |
| 20 | 853 020 |
| 25 | 853 025 |
| 32 | 853 032 |
| 40 | 853 040 |
| 50 | 853 050 |



Stainless Steel 316 - 1-Piece Reduced Port BSP Ball Valve 1000 WOG

| SIZE (mm) | CODE |
|-----------|----------|
| 8 | 1862 008 |
| 10 | 1862 010 |
| 15 | 1862 015 |
| 20 | 1862 020 |
| 25 | 1862 025 |
| 32 | 1862 032 |
| 40 | 1862 040 |
| 50 | 1862 050 |
| 65 | 1862 065 |
| 80 | 1862 080 |
| 100 | 1862 100 |



02.1 :: Ball Valves



1-Piece BSP Mini Ball Valve FEMALE / FEMALE

| SIZE (mm) | SS 316 | CHROME PLATED |
|-----------|-----------|---------------|
| 6 | | I859 006 |
| 8 | I859 SS08 | I859 008 |
| 10 | I859 SS10 | I859 010 |
| 15 | I859 SS15 | I859 012 |
| 20 | I859 SS20 | I859 020 |



1-Piece BSP Mini Ball Valve MALE / FEMALE

| SIZE (mm) | SS 316 | CHROME PLATED |
|-----------|-----------|---------------|
| 6 | I860 SS06 | I860 008 |
| 10 | I860 SS10 | I860 010 |
| 15 | I860 SS15 | I860 012 |
| 20 | I860 SS20 | I860 020 |
| 20 | I859 SS20 | I859 020 |

Actuators



Double Acting Actuator to Suit ISO Ball Valves

| SIZE RANGE (mm) | CODE |
|-----------------|-----------|
| 15 – 20 | I848 DA32 |
| 20 – 32 | I848 DA52 |
| 40 – 50 | I848 DA63 |
| 65 – 80 | I848 DA75 |
| 100 | I848 DA85 |



Spring Return Actuator to Suit ISO

| SIZE RANGE (mm) | CODE |
|-----------------|------------|
| 15 – 20 | I848 SR52 |
| 20 – 32 | I848 SR63 |
| 40 – 50 | I848 SR75 |
| 65 – 80 | I848 SR85 |
| | I848 SR92 |
| | I848 SR105 |
| | I848 SR125 |
| | I848 SR140 |
| | I848 SR160 |

3-Way BSP Full Port "L" and "T" Port Valve – Side Entry

| SIZE (mm) | L PORT SS316 | T PORT SS316 | L PORT KITZ BRASS | L PORT ITAP |
|-----------|--------------|--------------|-------------------|-------------|
| 6 | | | 869 006 | |
| 8 | I845 F008 | I856 F008 | 869 008 | |
| 10 | I845 F010 | I856 F010 | 869 010 | |
| 15 | I845 F015 | I856 F015 | 869 015 | I869 115 |
| 20 | I845 F020 | I856 F020 | 869 020 | I869 120 |
| 25 | I845 F025 | I856 F025 | 869 025 | I869 125 |
| 32 | I845 F032 | I856 F032 | 869 032 | |
| 40 | I845 F040 | I856 F040 | 869 040 | |
| 50 | I845 F050 | I856 F050 | 869 050 | |



3-Way BSP Stainless Steel Full Port "L" and "T" Port Valve – Bottom Entry

| SIZE (mm) | L PORT SS316 | T PORT SS316 | L PORT BRASS | T PORT BRASS |
|-----------|--------------|--------------|--------------|--------------|
| 8 | I845 BE008 | I856 BE008 | 845 008 | 856 008 |
| 10 | I845 BE010 | I856 BE010 | 845 010 | 856 010 |
| 15 | I845 BE015 | I856 BE015 | 845 015 | 856 015 |
| 20 | I845 BE020 | I856 BE020 | 845 020 | 856 020 |
| 25 | I845 BE025 | I856 BE025 | 845 025 | 856 025 |
| 32 | I845 BE032 | I856 BE032 | 845 032 | 856 032 |
| 40 | I845 BE040 | I856 BE040 | 845 040 | 856 040 |
| 50 | I845 BE050 | I856 BE050 | 845 050 | 856 050 |
| 65 | | | 845 065 | 856 065 |
| 80 | I845 BE080 | I856 BE080 | 845 080 | 856 080 |



02.1 :: Ball Valves



Flanged Ball Valves ANSI 150LB

| SIZE (mm) | SS 316 | CARBON STEEL | |
|-----------|------------|--------------|--|
| 15 | I861 FL015 | | |
| 20 | I861 FL020 | | |
| 25 | I861 FL025 | I851 CS025 | |
| 32 | I861 FL032 | | |
| 40 | I861 FL040 | | |
| 50 | I861 FL050 | I851 CS050 | |
| 65 | I861 FL065 | I851 CS080 | |
| 80 | I861 FL080 | I851 CS100 | |
| 100 | I861 FL100 | | |



Table "E" Stainless Steel 316

| SIZE (mm) | CODE | |
|-----------|------------|--|
| 15 | I861 FE015 | |
| 20 | I861 FE020 | |
| 25 | I861 FE025 | |
| 32 | I861 FE032 | |
| 40 | I861 FE040 | |
| 50 | I861 FE050 | |
| 65 | I861 FE065 | |
| 80 | I861 FE080 | |
| 100 | I861 FE100 | |



3-Way Stainless Steel 316, 150# Flanged "L" and "T" Port Valves

| SIZE (mm) | L PORT | T PORT | |
|-----------|------------|------------|--|
| 50 | I845 FL050 | I856 FL50 | |
| 80 | I845 FL080 | I856 FL80 | |
| 100 | I845 FL100 | I856 FL100 | |

Wafer Check Valves

| SIZE (mm) | STANDARD | DUAL PLATE SS 316 | SINGLE DISC SS 316 |
|-----------|----------|-------------------|--------------------|
| 50 | I867 050 | I867 050SS | I867 S050 |
| 65 | I867 065 | I867 065SS | I867 S065 |
| 80 | I867 080 | I867 080SS | I867 S080 |
| 100 | I867 100 | I867 100SS | I867 S100 |
| 150 | I867 150 | | |
| 200 | I867 200 | | |
| 250 | I867 250 | | |
| 300 | I867 300 | | |



Cast Iron Dual Plate Wafer Check Valves

| SIZE (mm) | CODE |
|-----------|----------|
| 40 | I867 040 |
| 50 | I867 050 |
| 65 | I867 065 |
| 80 | I867 080 |
| 100 | I867 100 |
| 125 | I867 125 |
| 150 | I867 150 |
| 200 | I867 200 |
| 250 | I867 250 |
| 300 | I867 300 |



BSP Swing Check Valves

| SIZE (mm) | SS 316 | STANDARD BRASS | KITZ TESTED BRASS | BRONZE |
|-----------|-----------|----------------|-------------------|-----------|
| 8 | I871 0008 | | | |
| 10 | I871 0010 | I849 010 | 849 110 | |
| 15 | I871 0015 | I849 015 | 849 115 | I849 BR15 |
| 20 | I871 0020 | I849 020 | 849 120 | I849 BR20 |
| 25 | I871 0025 | I849 025 | 849 125 | I849 BR25 |
| 32 | I871 0032 | I849 032 | 849 132 | I849 BR32 |
| 40 | I871 0040 | I849 040 | 849 140 | I849 BR40 |
| 50 | I871 0050 | I849 050 | 849 150 | I849 BR50 |
| 65 | I871 0065 | I849 065 | 849 165 | |
| 80 | I871 0080 | I849 080 | 849 180 | |
| 100 | | I849 100 | | |



02.2 :: Check Valves



Inline Check Valves

| SIZE (mm) | SS 316 | EUROPA | YORK | MONDEO 304 STAINLESS STEEL |
|-----------|----------|----------|----------|----------------------------|
| 6 | I872 006 | | | 872 006 |
| 10 | I872 010 | I870 010 | I846 010 | 872 010 |
| 15 | I872 015 | I870 015 | I846 015 | 872 015 |
| 20 | I872 020 | I870 020 | I846 020 | 872 020 |
| 25 | I872 025 | I870 025 | I846 025 | 872 025 |
| 32 | I872 032 | I870 032 | I846 032 | 872 032 |
| 40 | I872 040 | I870 040 | I846 040 | 872 040 |
| 50 | I872 050 | I870 050 | I846 050 | 872 050 |
| 65 | I872 065 | I870 065 | I846 065 | 872 065 |
| 80 | I872 080 | I870 080 | I846 080 | 872 080 |
| 100 | I872 100 | I870 100 | I846 100 | 872 100 |



Stainless Steel BSP 3-Piece Disc Check Valves

| SIZE (mm) | CODE |
|-----------|----------|
| 15 | I864 012 |
| 20 | I864 020 |
| 25 | I864 025 |
| 32 | I864 032 |
| 40 | I864 040 |
| 50 | I864 050 |



Flanged Bronze Swing Check Valves

| SIZE (mm) | CODE |
|-----------|-----------|
| 15 | |
| 20 | |
| 25 | |
| 32 | |
| 40 | I849 F040 |
| 50 | I849 F050 |
| 80 | I849 F080 |
| 100 | I849 F100 |



"Y" Pattern BSP Check Valves For Steam Applications, Stainless Steel 316

| SIZE (mm) | CODE |
|-----------|-----------|
| 8 | |
| 10 | |
| 15 | I872 Y15 |
| 20 | I872 Y20 |
| 25 | I872 Y25 |
| 40 | I872 Y40 |
| 50 | I872 Y50 |
| 100 | I872 F100 |

BSP "Y" Strainers

| SIZE (mm) | SS 316 | BRASS |
|-----------|----------|----------|
| 8 | I865 108 | I865 008 |
| 10 | I865 110 | I865 010 |
| 15 | I865 115 | I865 015 |
| 20 | I865 120 | I865 020 |
| 25 | I865 125 | I865 025 |
| 32 | I865 132 | I865 032 |
| 40 | I865 140 | I865 040 |
| 50 | I865 150 | I865 050 |
| 65 | I865 165 | I865 065 |
| 80 | I865 175 | I865 075 |
| 100 | | I865 100 |



Carbon Steel ANSI 150 - Simplex Flanged Basket Strainer

| SIZE (mm) | CODE |
|-----------|------------|
| 50 | I865 SA050 |
| 65 | I865 SA065 |
| 80 | I865 SA080 |
| 100 | I865 SA100 |



02.3 :: Multi-Turn Valves



BSP Threaded Gate Valves

| SIZE (mm) | SS 316 | BRASS STANDARD | BRASS TESTED |
|-----------|------------|----------------|--------------|
| | | I841 010 | 843 010 |
| 15 | I841 SS015 | I841 015 | 843 015 |
| 20 | I841 SS020 | I841 020 | 843 020 |
| 25 | I841 SS025 | I841 025 | 843 025 |
| 32 | I841 SS032 | I841 032 | 843 032 |
| 40 | I841 SS040 | I841 040 | 843 040 |
| 50 | I841 SS050 | I841 050 | 843 050 |
| 65 | I841 SS065 | I841 065 | 843 065 |
| 80 | I841 SS080 | I841 080 | 843 080 |
| | | I841 100 | |



Stainless Steel BSP Threaded Globe Valves

| SIZE (mm) | CODE |
|-----------|----------|
| 8 | I843 008 |
| 10 | I843 010 |
| 15 | I843 012 |
| 20 | I843 020 |
| 25 | I843 025 |
| 32 | I843 032 |
| 40 | I843 040 |
| 50 | I843 050 |
| 65 | I843 065 |
| 80 | I843 080 |



Stainless Steel BSP "Y" Pattern Globe Valves

| SIZE (mm) | CODE |
|-----------|----------|
| 15 | I843 Y15 |
| 20 | I843 Y20 |
| 25 | I843 Y25 |
| 32 | I843 Y32 |
| 40 | I843 Y40 |
| 50 | I843 Y50 |

6000# Stainless Steel Needle Valves

| SIZE (mm) | NPT | BSP |
|-----------|-------------|----------|
| 8 | I876 NPT008 | I876 008 |
| 10 | I876 NPT010 | I876 010 |
| 15 | I876 NPT015 | I876 015 |
| 20 | I876 NPT020 | I876 020 |
| 25 | I876 NPT025 | I876 025 |



Stainless Steel Quick Acting Gate Valve

| SIZE (mm) | SS 316 | BRASS VALVE | SS SPRING |
|-----------|-----------|-------------|-----------|
| 15 | I842 15SS | I842 015 | I842 002 |
| 20 | I842 20SS | I842 020 | I842 002 |
| 25 | | I842 025 | I842 002 |
| 32 | | I842 032 | I842 003 |
| 40 | | I842 040 | I842 003 |
| 50 | | I842 050 | I842 003 |
| 65 | | I842 065 | |
| 80 | | I842 080 | |
| 100 | | I842 075 | |
| | | I842 100 | |



02.4 :: Miscellaneous Valves



Stainless Steel BSP Sight Glasses

| SIZE (mm) | CODE |
|-----------|---------|
| 15 | SSSG 15 |
| 20 | SSSG 20 |
| 25 | SSSG 25 |
| 40 | SSSG 40 |
| 50 | SSSG 50 |



Pressure Relief Valves

| SIZE (mm) | BRASS | STAINLESS STEEL | LEVER OP |
|-----------|----------|-----------------|-----------|
| 15 | I852 015 | | |
| 20 | I852 020 | | |
| 25 | I852 025 | I852 025SS | I852 L025 |
| 32 | I852 032 | | |
| 40 | I852 040 | | |
| 50 | I852 050 | I852 050SS | |



Dual Use BSP Poly Foot Valve (Inline Check Valves)

| SIZE (mm) | WITH STRAINER | POLY STRAINER BSP MALE |
|-----------|---------------|------------------------|
| 15 | 854 015 | |
| 20 | 854 020 | 854 F020 |
| 25 | 854 025 | |
| 32 | 854 032 | |
| 40 | 854 040 | 854 F040 |
| 50 | 854 050 | 854 F050 |

Hansen BSP Poly Check Valves

| SIZE (mm) | CODE |
|-----------|---------|
| 25 | 851 025 |
| 32 | 851 032 |
| 40 | 851 040 |
| 50 | 851 050 |

Poly Hose Tail Strainers

| SIZE (mm) | CODE |
|-----------|---------|
| 15 | 624 015 |
| 20 | 624 020 |
| 25 | 624 025 |
| 32 | 624 032 |
| 40 | 624 038 |
| 50 | 624 050 |
| 80 | 624 080 |



Foot Valves

| SIZE (mm) | BRASS BSP |
|-----------|-----------|
| 15 | I863 015 |
| 20 | I863 020 |
| 25 | I863 025 |
| 32 | I863 032 |
| 40 | I863 040 |
| 50 | I863 050 |
| 65 | I863 065 |
| 80 | I863 080 |
| 100 | I863 100 |



Stainless Steel Filter Basket Male BSP with Nylon Thread

| SIZE (mm) | CHECK FILTER |
|-----------|--------------|
| 10 | I846 110 |
| 15 | I846 115 |
| 20 | I846 120 |
| 25 | I846 125 |
| 32 | I846 132 |
| 40 | I846 140 |
| 50 | I846 150 |
| 65 | I846 165 |
| 80 | I846 180 |
| 100 | I846 2100 |



Bibcock - Lockable Nickel Plated Brass

| SIZE (mm) | CODE |
|-----------|---------|
| 15 | 855 015 |
| 20 | 855 020 |



Bibcock

| SIZE (mm) | CODE | DESCRIPTION |
|-----------|----------|------------------|
| 15 | 1847 015 | 3/4" x 1/2" Tail |
| 20 | 1847 020 | 1" x 3/4" Tail |



02.5 :: Butterfly Valves



Wafer Type Butterfly Valves - Lloyds Approved Manufacturer

| SIZE (mm) | NBR SEAT LLOYDS APPROVED | ALUMINIUM TOMOE | SS 316 | TEFLON COATED |
|-----------|--------------------------|-----------------|----------|---------------|
| 40 | I848 040 | 848 TOM40 | I848 40 | |
| 50 | I848 050 | 848 TOM50 | I848 50 | I848TC 50 |
| 65 | I848 065 | 848 TOM65 | | I848TC 65 |
| 80 | I848 080 | 848 TOM80 | I848 80 | I848TC 80 |
| 100 | I848 100 | 848 TOM100 | I848 100 | I848 TC100 |
| 125 | I848 125 | 848 TOM125 | | |
| 150 | I848 150 | 848 TOM150 | | |
| 200 | I848 200 | 848 TOM200 | | |
| 250 | I848 250 | | | |
| 300 | I848 300 | | | |



Lug Pattern Butterfly Valves NBR Seat – Table “E” - Lloyds Approved Manufacturer

| SIZE (mm) | CODE |
|-----------|------------|
| 40 | I848 LR040 |
| 50 | I848 LR050 |
| 65 | I848 LR065 |
| 80 | I848 LR080 |
| 100 | I848 LR100 |
| 125 | I848 LR125 |
| 150 | I848 LR150 |
| 200 | I848 LR200 |
| 250 | I848 LR250 |
| 300 | I848 LR300 |



Butterfly Valve Gear Boxes

| SIZE (mm) | CODE |
|-----------|------------|
| 40 – 80 | I848 GB080 |
| 100 | I848 GB100 |
| 125 – 150 | I848 GB150 |
| 200 | I848 GB200 |
| 300 | I848 GB300 |

Flanged Undrilled Brass Gate Valves

| SIZE (mm) | BRONZE | | |
|-----------|-----------|--|--|
| 15 | I841 F015 | | |
| 20 | I841 F020 | | |
| 25 | I841 F025 | | |
| 32 | I841 F032 | | |
| 40 | I841 F040 | | |
| 50 | I841 F050 | | |
| 65 | I841 F065 | | |
| 80 | I841 F080 | | |
| 100 | I841 F100 | | |



Class 800 CS Gate Valves

| SIZE (mm) | SOCKET WELD | NPT | |
|-----------|-------------|-----------|--|
| 15 | I841 8S15 | I841 8N15 | |
| 20 | I841 8S20 | I841 8N20 | |
| 25 | I841 8S25 | I841 8N25 | |
| 40 | I841 8S40 | I841 8N40 | |
| 50 | I841 8S50 | I841 8N50 | |



Class 800 CS Globe Valves

| SIZE (mm) | SOCKET WELD | NPT | |
|-----------|-------------|-----------|--|
| 15 | I843 8S015 | I843 8N15 | |
| 20 | I843 8S020 | I843 8N20 | |
| 25 | I843 8S025 | I843 8N25 | |
| 40 | I843 8S040 | I843 8N40 | |
| 50 | I843 8S050 | I843 8N50 | |



Knife Gate Valves

| SIZE (mm) | METAL SEATED | RESILIENT SEAT | |
|-----------|--------------|----------------|--|
| 80 | I848 KM080 | I848 KB080 | |
| 100 | I848 KM100 | I848 KB100 | |
| 150 | I848 KM150 | I848 KB150 | |



Cast Iron Gate Valves Undrilled

| SIZE (mm) | CODE | | |
|-----------|------------|--|--|
| 80 | I853 CI080 | | |
| 100 | I843 CI100 | | |
| 150 | I853 CI150 | | |



02.7 :: Cast Steel Valves



Undrilled "Y" Strainers

| SIZE (mm) | STAINLESS STEEL 316 FLANGED | CAST STEEL JIS 10K | CAST STEEL ANSI 150 |
|-----------|-----------------------------|--------------------|---------------------|
| 50 | I865 FLS050 | I865 FL050 | I865 FLA050 |
| 80 | I865 FLS080 | I865 FL080 | I865 FLA080 |
| 100 | I865 FLS100 | I865 FL100 | I865 FLA100 |
| 150 | | I865 FL150 | I865 FLA150 |

Bronze JIS

| F7351 JIS 5K Flanged, Bronze Screw Down Non Return Valve | | | |
|---|--------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 15 | I844 F735115 | 100mm | |
| 20 | I844 F735120 | 110mm | |
| 25 | I844 F735125 | 120mm | |
| 32 | I844 F735132 | 140mm | |
| 40 | I844 F735140 | 160mm | |



| F7409 JIS 10/16K (Undrilled) Flanged, Bronze Screw Down Non Return Valve | | | |
|---|---------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 25 | I844 F7409025 | 130mm | |
| 32 | I844 F7409032 | 160mm | |
| 40 | I844 F7409040 | 180mm | |
| 50 | I844 F7409050 | 210mm | |



| F7410 JIS 10K (Undrilled) Flanged, Bronze Angle Pattern Screw Down Non Return Valve | | | |
|--|--------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 25 | I844 F741025 | 85mm | |
| 32 | I844 F741032 | 95mm | |
| 40 | I844 F741040 | 100mm | |
| 50 | I844 F741050 | 110mm | |



| F7367 JIS 5K Flanged, Bronze Gate Valve | | | |
|--|--------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 15 | I844 F736715 | 90mm | |
| 20 | I844 F736720 | 100mm | |
| 25 | I844 F736725 | 110mm | |
| 32 | I844 F736732 | 130mm | |
| 40 | I844 F736740 | 140mm | |



02.8 :: Marine Valves

Bronze JIS



| F7368 JIS 10K (Undrilled) Flanged, Bronze Gate Valve | | |
|--|--------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 15 | I844 F736815 | 100mm |
| 20 | I844 F736820 | 110mm |
| 25 | I844 F736825 | 120mm |
| 32 | I844 F736832 | 140mm |
| 40 | I844 F736840 | 150mm |



| F7373 JIS 10K (Undrilled) Flanged, Bronze Swing Check Valve | | |
|---|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I844 F7373050 | 210mm |
| 65 | I844 F7373065 | 240mm |
| 80 | I844 F7373080 | 270mm |
| 100 | I844 F7373100 | 300mm |

Cast Steel JIS

| F7311 JIS 5K Flanged, Cast Steel SDNR Valve | | | |
|--|---------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 50 | I844 F7311050 | 210mm | |
| 65 | I844 F7311065 | 250mm | |
| 80 | I844 F7311080 | 280mm | |
| 100 | I844 F7311100 | 340mm | |



| F7312 JIS 5K Flanged, Cast Steel Angle Pattern SDNR Valve | | | |
|--|---------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 50 | I844 F731250 | 100mm | |
| 65 | I844 F731265 | 115mm | |
| 80 | I844 F731280 | 130mm | |
| 100 | I844 F7312100 | 150mm | |



| F7471 JIS 10K (Undrilled) Flanged, Cast Steel SDNR Valve | | | |
|---|---------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 50 | I844 F7471050 | 220mm | |
| 65 | I844 F7471065 | 270mm | |
| 80 | I844 F7471080 | 300mm | |
| 100 | I844 F7471100 | 350mm | |



| F7472 JIS10K (Undrilled) Flanged, Cast Steel Angle Pattern SDNR Valve | | | |
|--|-----------------|-------------|--|
| SIZE (mm) | STAINLESS STEEL | FACE / FACE | |
| 50 | I844 F7472050 | 120mm | |
| 65 | I844 F7472065 | 130mm | |
| 80 | I844 F7472080 | 140mm | |
| 100 | I844 F7472100 | 160mm | |



| F7363 JIS 5K Flanged, Cast Steel Gate Valve | | | |
|--|---------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 50 | I844 F736350 | 180mm | |
| 65 | I844 F736365 | 190mm | |
| 80 | I844 F736380 | 200mm | |
| 100 | I844 F7363100 | 230mm | |



02.8 :: Marine Valves

Cast Steel JIS continued



| F7366 JIS 10K (Undrilled) Flanged, Cast Steel Gate Valve | | |
|--|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I844 F7366050 | 200mm |
| 65 | I844 F7366065 | 220mm |
| 80 | I844 F7366080 | 230mm |
| 100 | I844 F7471100 | 250mm |



| F3060 JIS 5K Cast Steel Angle Pattern Storm Valves | | |
|--|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I844 F306050 | 90mm |
| 65 | I844 F306065 | 110mm |
| 80 | I844 F306080 | 120mm |
| 100 | I844 F3060100 | 130mm |



| F3061 JIS 10K Cast Steel Storm Valve | | |
|--------------------------------------|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I844 F3061050 | |
| 65 | I844 F3061065 | |
| 80 | I844 F3061080 | |
| 100 | I844 F3061100 | |



| F7353 JIS 5K Flanged, Cast Iron SDNR Valve | | |
|--|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I844 F735350 | 210mm |
| 65 | I844 F735365 | 250mm |
| 80 | I844 F735380 | 280mm |
| 100 | I844 F7353100 | 340mm |
| 150 | I844 F7353150 | 480mm |



| F7354 JIS 5K Flanged, Cast Iron 90° Angle Pattern SDNR Valve | | |
|--|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I844 F735450 | 100mm |
| 65 | I844 F735465 | 115mm |
| 80 | I844 F735480 | 130mm |
| 100 | I844 F7354100 | 150mm |
| 150 | I844 F7354150 | 190mm |



| F7376 JIS 10K Flanged, Cast Iron SDNR Valve | | |
|---|--------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I843 JIS50 | 220mm |
| 65 | I843 JIS65 | 270mm |
| 80 | I843 JIS80 | 280mm |
| 100 | I8434 JIS100 | 350mm |

Cast Iron JIS

| F7376 JIS 10K Flanged, Cast Iron Angle SDNR Valve | | |
|---|--------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 50 | I843 JIS950 | 130mm |
| 65 | I843 JIS965 | 140mm |
| 80 | I843 JIS980 | 150mm |
| 100 | I843 JIS9100 | 170mm |



Bronze JIS

| JIS 10K Flanged (Undrilled) Marine Bronze Gate Valves with Indicator | | |
|--|-------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 15 | I841 FM015 | 80mm |
| 20 | I841 FM020 | 80mm |
| 25 | I841 FM025 | 90mm |
| 32 | I841 FM032 | 95mm |
| 40 | I841 FM040 | 100mm |
| 50 | I841 FM 050 | 115mm |
| 65 | I841 FM065 | 120mm |
| 80 | I841 FM080 | 140mm |
| 100 | I841 FM100 | 180mm |



Non Class Approved

| JIS 10K Flanged (Undrilled) Marine Bronze SDNR Valves | | |
|---|---------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 32 | I843 FSDNR32 | 90mm |
| 40 | I843 FSDNR40 | 105mm |
| 50 | I843 FSDNR50 | 135mm |
| 65 | I843 FSDNR65 | 165mm |
| 80 | I843 FSDNR80 | 185mm |
| 100 | I843 FSDNR100 | 205mm |



Non Class Approved

| JIS 10K Flanged (Undrilled) Pattern Bronze SDNR Valves Short Pattern | | |
|--|------------|-------------|
| SIZE (mm) | CODE | FACE / FACE |
| 15 | I843 FSP15 | 60mm |
| 20 | I843 FSP20 | 69mm |
| 25 | I843 FSP25 | 80mm |
| 32 | I843 FSP32 | 100mm |
| 40 | I843 FSP40 | 100mm |
| 50 | I843 FSP50 | 120mm |



Generally used in marine air con systems, "BV" Class approved manufacture

02.8 :: Marine Valves

Miscellaneous Marine Valves



| F7399 JIS 5K Emergency Fuel Shut Off Valves Bronze Straight Through | | | |
|---|--------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 25 | I844 F739925 | 120mm | |
| 40 | I844 F739940 | 160mm | |



| F7399 JIS 5K Emergency Fuel Shut Off Valves Cast Steel Straight Pattern | | | |
|---|--------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 50 | I844 F739950 | 210mm | |



| F7399 JIS 5K Emergency Fuel Shut Off Valves Cast Steel Angle Pattern | | | |
|--|----------------|-------------|--|
| SIZE (mm) | CODE | FACE / FACE | |
| 50 | I844 F739950AL | 100mm | |