



**KITZ<sup>®</sup>**

**GENERAL CATALOG**

Industrial and Commercial Valves

Quality in every choice, every time.



## THE BRAND OF VALVE RELIABILITY

Since its establishment in 1951, KITZ Corporation has supplied products for applications ranging from the home to industrial processes as a manufacturer of valves and other devices for the control of fluids. Japan's largest valve manufacturer, KITZ is solidifying its position as one of the leading manufacturers of valves in the

world. With over 40,000 types of valves and sizes in production for a broad range of applications, KITZ prides itself on its consistent quality and outstanding reliability that customers have come to appreciate and expect from the KITZ Brand.



### Cast Steel Valves

KITZ cast steel valves are recognized worldwide for their quality and durability.

#### Type of Valves

Gate, Globe, Check

#### Materials

WCB, WC6, C5, C12, LCC, LC2, LC3

#### Pressure Classes

150 to 2500

#### Sizes

1-1/2" to 36"

#### Connections

RF, RTJ, BW

#### Standards

API 600, API 594, API 598, BS 1873, ASME B16.34, B16.10, B16.5, B16.25

#### Standard Features

OS & Y, Bolted Bonnet, Bolted Cover, Low Emission 50 PPM

#### Options

Electric, pneumatic or hydraulic actuator



### Stainless Steel Valves

KITZ stainless steel and special alloy valves are produced in our highly reputed in-house foundries. Our original casting technology, which includes casting simulation, Slag Refining Process (SRP) and Exotic Material Furnace (EMF) heat treatment, makes KITZ the premier stainless and special alloy valve manufacturer.

#### Type of Valves

Gate, Globe, Swing Check, Lift Check, Y-Strainer

#### Materials

304, 304L, 316, 316L, 347, 317, A20, Duplex, Monel, Inconel, Hastelloy, Nickel, and more

#### Pressure Classes

150 to 1500

#### Sizes

1-1/2" to 24"

#### Connections

RF, BW, Threaded, Socket Weld

#### Standards

API 600, API 603, API 594, ASME B16.34, B16.10, B16.5, B16.25, API 598

#### Standard Features

OS&Y, Bolted Bonnet, Bolted Cover, Low Emission 50 PPM

#### Options

Electric, pneumatic or hydraulic actuator, cryogenic extensions for -321° F service



### Floating Ball Valves

KITZ floating Ball valves include many standard features at no extra cost. In addition, KITZ Ball valves have some of the lowest torques in the industry making them the valve of choice for automated applications.

#### Type of Valves

Reduced, Regular, Full Port, 1, 2, and 3 piece construction

#### Materials

WCB, LCC, Chrome, 304, 304L, 316, 316L, 347, 317, A20, Duplex, Monel, Inconel, Hastelloy, Nickel

#### Pressure Classes

150 to 2500

#### Sizes

1/4" to 10"

#### Connections

RF, Threaded, Socket Weld

#### Standards

API 608, API 607, API 598, ISO 17292, ASME B16.34, B16.10, B16.5

#### Standard Features

Blowout-proof stem, anti-static device, locking device, live loaded packing, cavity pressure relief, HPTFE seats, fire tested design, Low Emission (flanged only), NACE MR 0103, ISO 5211 mounting pad

#### Options

Electric, pneumatic or hydraulic actuator, cryogenic extensions for -321° F service, graphite and metal seats for up to 932° F



### Trunnion Mounted Ball Valves

KITZ trunnion Ball valves are highly engineered products with the goal of providing low maintenance, ease of operation and a long service life. Compared to our competitors, our valves have very low torques guaranteeing a compact, light, efficient, and cost-effective automation package.

#### Type of Valves

Regular, Full Port

#### Materials

A105, LF2, Chrome, 304, 304L, 316, 316L, 347, 317, A20, Duplex, Monel, Inconel, Hastelloy, Nickel

#### Pressure Classes

150 to 2500

#### Sizes

2" to 36"

#### Connections

RF, RTJ

#### Standards

API 6D, API 598, ISO 14313, ASME B16.34, B16.10, B16.5

#### Standard Features

3 piece bolted body/cap, double block/bleed, blowout-proof stem, anti-static, locking, cavity pressure relief, PTFE, RPTFE, Nylon, Devlon, PCTFE/PEEK seats, fire tested per API 607, Low Emission 50 PPM, ISO 5211 mounting pad

#### Options

Electric, pneumatic or hydraulic actuator, stem extension, seat/stem grease injection points, NACE MR 0175, thru-conduit pigability bore



### Metal Seated Ball Valves

PERRIN GmbH specializes in the design and production of specialty Ball valves for highly severe, high pressure and high temperature applications. All PERRIN valves are low emission per TA LUFT with an emission level lower than 50 PPM.

#### Type of Valves

Floating and Trunnion Mounted Ball, Reduced Port, Full Port, 2 and 3 piece construction, 2, 3, and 4 way design

#### Temperature Range

-320° F to +1650° F  
-190° C to +899° C

#### Materials

Carbon Steel, Chrome Steel, 304, 304L, 316, 316L, 347, 317, A20, Duplex, Monel, Inconel, Hastelloy, Nickel

#### Seat Materials

Metal, Carbon, PEEK

#### Pressure Classes

150 to 2500

#### Sizes

1/2" to 24"

#### Connections

RF, RTJ, Threaded, Socket Weld

#### Standards

API 6D, API 608, API 607, API 598, ISO 14313, ISO 10497, ISO 5211, DIN EN 12567, DIN EN 12516, DIN EN 12266, ASME B16.34, B16.10, B16.5, BS 6755 T.2

#### Options

Electric, pneumatic or hydraulic actuator, top entry design, seat system with protected spring area, bi-directional single seat system, high pressure seal system, adjustable stem packing, double packing chamber with purge connection, double block and bleed and/or vent port heating and cooling jackets, locking devices, stem extension



### Butterfly Valves

KITZ butterfly valves are designed and manufactured to provide maximum performance on recommended service applications at the lowest possible initial and life cycle cost.

#### Type of Valves

Wafer and Lug

#### Materials

Ductile Iron

#### Seat

BUNA, EPDM

#### Pressure Classes

150 to 250 psi

#### Sizes

2" to 24"

#### Standards

API 609, API 598, MSS SP-67

#### Standard Features

Bi-directional, Blow-out proof stem, memory stop, vulcanized seat, suitable for dead-end service at maximum working pressure

#### Options

Electric, pneumatic or hydraulic actuator



### Cast Iron Valves

KITZ Iron Valves are widely used in building piping systems, water treatment plants and industrial facilities.

#### Type of Valves

Gate, Globe, Swing Check, Y-Strainer, Ball

#### Materials

A126 Class B Cast Iron shell, Bronze or 13Cr trim

#### Pressure Classes

125

#### Sizes

2" to 14"

#### Connections

FF

#### Standards

MSS SP-70, SP-71, SP-85, ANSI B16.10, B16.1



### Bronze and Brass Valves

As the world's largest bronze valve manufacturer, KITZ Bronze Valves are built in our fully-integrated facilities which include foundries and fully automated molding and machining lines. This highly automated process achieves consistent precision in the manufacturing of commercial valves for water, oil, gas and steam services.

#### Type of Valves

Gate, Globe, Swing Check, Lift Check, Y-Strainer, Ball

#### Materials

Bronze, Brass, *KeepAlloy* (lead free)

#### Pressure Classes

125 to 300

#### Sizes

1/4" to 4"

#### Connections

Threaded, Solder Ends, Pressed Ends

#### Standards

MSS SP-80, ANSI B1.20.1, B16.18

#### Certifications

UL/FM, CSA, NSF 61



## Reliable Quality Management Program Stands behind the KITZ Brand

KITZ controls every phase of valve manufacturing including design, casting, machining, assembly, and testing. Placing priority on international quality management systems, KITZ Corporation in November 1989 became the first Japanese company and the first among flow control equipment manufacturers in the world to earn the ISO 9001 certification. This standard applies to every aspect of quality management, beginning with order receipt and going all the way to shipment and after-sales service. KITZ Corporation conducts a stringent quality management program based on an exclusive quality assurance system that covers material selection, production processes, assembly, tests and inspections. In July 2001, KITZ Corporation was the first Japanese valve manufacturer to be certified to carry the CE marking that is required by the European Union.

## Low Emission Valves

KITZ is the pioneer and undisputed leader in low emission valve research and development. All KITZ industrial valves are guaranteed to be low emission per ISO 15848-1: 2006(E) Part 1 & EPA Method 21. KITZ industrial valves have been tested for low emission and these tests have been witnessed and certified by Bureau Veritas.

## Global Production and Sales Network

In response to the rapid globalization of its markets, KITZ has assembled a worldwide production network in which all products are made in the most suitable locations. At the same time, KITZ has Regional Sales Centers and a very strong global distribution network. Able to meet a broad range of customer needs, these networks can supply products in a timely manner along with quality, prices, delivery schedules and services that meet customers' expectations.



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