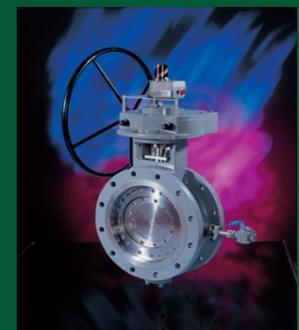
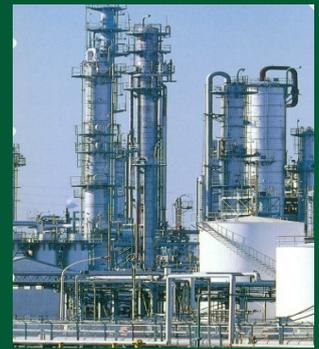


Short Product Catalogue

Valves
Pipes
Flanges
Fittings



 **JOHN GIOXAS & Co. SA**
Industrial and Marine Supplies

23A ETOLIKOU STR, GR 18545, PIRAEUS, GREECE

TEL. : 210 4610446, FAX: 210 4610446

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BUREAU
VERITAS

Bureau Veritas Certification



JOHN GIOXAS & CO. S.A.

23A Etolikou str., 18545 Piraeus, Greece

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

PROCUREMENT, STOCKHOLDING AND SUPPLY OF CARBON STEEL, ALLOY AND STAINLESS-STEEL PIPES, FITTINGS, FLANGES AND VALVES FOR INDUSTRIAL, MARINE AND PETROCHEMICAL APPLICATIONS.

Original cycle start date:	03-10-2014
Expiry date of previous cycle:	02-10-2023
Certification / Recertification Audit date:	25-10-2023
Certification / Recertification cycle start date:	17-11-2023
Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on:	02-10-2026

Certificate No.: GR004260 Version: 1 Issue date: 17-11-2023



0008

Signed on behalf of BVCH SAS UK Branch

Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom

Local Office: 23, Etolikou Str., Piraeus, 185 45, Greece

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +30 210 4063 000

UKAS Certificate Template Single Site Rev.4.1

28 Aug 2023

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INTRODUCTION & CONTENTS

INTRO

With more than 60 years of experience JOHN GIOXAS & Co SA is recognized in Marine and Industry as a trade company with experienced staff specialized in procurement, representing, stockholding and supply of Valves, Pipes, Fittings and Flanges for Marine and Petrochemical applications.

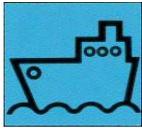
Further to the above JOHN GIOXAS & Co SA offers a complete program of quality components to companies as: shipbuilding and repair industry, petrochemical and processing industry, oil and gas tank storage, power stations, water and wastewater plants.

We represent recognized brands and our business partners/makers are fully certified by the largest Certification Authorities.

Our expertized team offers product recommendation, consultancy, project-management service and engineering.

Our knowledge and the experience, our stock and the facilities with the service ensure a long-term cooperation with our customers.

APPLICATIONS



MARINE AND SHIP INDUSTRY
SHIPBUILDING & SHIPREPAIRING



WATER SUPPLY, WATER TREATMENT,
SEWERAGE, PURIFIERS, CITY WATER,
WASTE WATER



FACTORY AND INDUSTRY
REFINERY & PETROCHEMICAL INDUSTRY



BUILDING FACILITIES ,
COOLING AND HEATING SYSTEM,
AIRCONDITIONING, COLD/WARM WATER



POWER STATION
THERMOELECTRIC AND HYDROELECTRIC
POWER PLANTS



RECREATION INDUSTRY,
INFRASTRUCTURE PROJECTS

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DIN/EN Flanged & Wafer VALVES

ITEM	GATE VALVE, SHORT	GATE VALVE, LONG	GATE VALVE, LONG	GATE VALVE , SHORT
CLASS	PN10, CAST IRON	PN10, CAST IRON	PN16, CAST IRON	PN10, CAST STEEL
Code	331201	331205	331203	333241
TYPE				
SPECS & REMARKS	GATE VALVE DIN flanged Ends Inside Screw Stem Short F to F: EN558-1/14 Body: Cast Iron GJL-250 Trims: Bronze Rg5	GATE VALVE DIN flanged Ends Inside Screw Stem Long F to F: EN558-1/15 Body: Cast Iron GJL-250 Trims: Bronze Rg5	GATE VALVE DIN flanged Ends Inside Screw Stem Long F to F: EN558-1/15 Body: Cast Iron GJL-250 Trims: Bronze Rg5	GATE VALVE DIN flanged Ends O.S&Y Short F to F: EN558-1/14 Body: Cast Steel GP240GH Trims: Stainless Steel X20Cr13
SIZE	DN40-DN600	DN40-DN400	DN40-DN400	DN40-DN200

ITEM	RESILIENT GATE VALVE-F4	RESILIENT GATE VALVE-F5	BRONZE GATE VALVE
CLASS	PN16(PN10), DUCTILE IRON	PN16(PN10), DUCTILE IRON	PN16 (PN10 for DN150)
Code	332201	332203	336210
TYPE			
SPECS & REMARKS	GATE VALVE DIN flanged Ends DIN3352, Inside Screw Stem Short F to F: EN558-1/14 Body: Ductile Iron GJS400-18LT Trims: Elastomer/BR/SS	GATE VALVE DIN flanged Ends DIN3352, Inside Screw Stem Long F to F: EN558-1/15 Body: Ductile Iron GJS400-18LT Trims: Elastomer/BR/SS	GATE VALVE DIN flanged Ends Inside Screw Stem Body: Cast Bronze BS1400-LG2 Ends: Undrilled, Drilled-PN16 (or PN6, PN10, JIS5K, etc)
SIZE	DN40-DN600	DN40-DN600	DN15-DN150

ITEM	GLOBE VALVE	GLOBE VALVE	ANGLE VALVE	ANGLE VALVE
CLASS	CAST IRON, PN16	CAST STEEL, PN40	CAST IRON, PN16	CAST STEEL, PN40
FIG.No	351206	353216	351205	353212
TYPE				
SPECS & REMARKS	GLOBE VALVE Flange: DIN (PN6, PN10, PN16) Bolted Bonnet, OS&Y, F to F: EN558-1, series 1 Body: Cast Iron GJL-250 Trims: St. Steel X20Cr13	GLOBE VALVE Flange: DIN (PN6, PN10, PN16) Bolted Bonnet, OS&Y, F to F: EN558-1, series 8 Body: Steel C22G2 / GP240GH Trims: St. Steel X20Cr13	ANGLE VALVE Flange: DIN (PN6, PN10, PN16) Bolted Bonnet, OS&Y, F to F: EN558-1, series 1 Body: Cast Iron GJL-250 Trims: St. Steel X20Cr13	ANGLE VALVE Flange: DIN (PN6, PN10, PN16) Bolted Bonnet, OS&Y, F to F: EN558-1, series 8 Body: Steel C22G2 / GP240GH Trims: St. Steel X20Cr13
SIZE	DN15-DN300	DN15-DN400	DN15-DN300	DN15-DN400

D1

DIN/EN Flanged & Wafer VALVES

ITEM	SDNR-GLOBE VALVE	SDNR-GLOBE VALVE	SDNR-ANGLE VALVE	SDNR-ANGLE VALVE
CLASS	CAST IRON, PN16	CAST STEEL, PN40	CAST IRON, PN16	CAST STEEL, PN40
Code	351216	353217	351217	353212
TYPE				
SPECS & REMARKS	SDNR-GLOBE VALVE Flange: DIN (PN6, PN10,PN16) Bolted Bonnet, OS&Y, SDNR F to F: EN558-1,series 1 Body:Cast Iron GJL-250 Trims: St.Steel X20Cr13	SDNR-GLOBE VALVE Flange: DIN (PN6, PN10,PN16) Bolted Bonnet, OS&Y, SDNR F to F: EN558-1,series 8 Body:Steel C22G2 / GP240GH Trims: St.Steel X20Cr13	SDNR-ANGLE VALVE Flange: DIN (PN6, PN10,PN16) Bolted Bonnet, OS&Y, SDNR F to F: EN558-1,series 1 Body:Cast Iron GJL-250 Trims: St.Steel X20Cr13	SDNR-ANGLE VALVE Flange: DIN (PN6, PN10,PN16) Bolted Bonnet, OS&Y, SDNR F to F: EN558-1,series 8 Body:Steel C22G2 / GP240GH Trims: St.Steel X20Cr13
SIZE	DN15-DN300	DN15-DN400	DN15-DN300	DN15-DN400

ITEM	BELLOW GLOBE VALVE	BELLOW GLOBE VALVE	BELLOW GLOBE VALVE	BRONZE GLOBE VALVE
CLASS	CAST IRON, PN16	DUCTILE IRON, PN25	CAST STEEL, PN40	PN16 (PN10 for DN150)
Code	351225	352202	353201	356210
TYPE				
SPECS & REMARKS	GLOBE VALVE Flange:DIN-PN16, BELLOW SEALED, Rising Stem F to F: EN558-1,series 1 Body:Cast Iron GJL-250 Bellow&Trims: SS-13Cr/Ti	GLOBE VALVE Flange:DIN-PN25 (& PN16) BELLOW SEALED, OS&Y F to F: EN558-1,series 1 Body:DuctileIronGJS400-18-LT Bellow&Trims: SS-13Cr/Ti	GLOBE VALVE Flange:DIN-PN40(PN16&PN25) BELLOW SEALED, OS&Y F to F: EN558-1,series 8 Body:Steel C22G2 / GP240GH Bellow&Trims: SS-13Cr/Ti	GLOBE VALVE DIN flanged Ends Inside Screw Stem Body: Cast Bronze BS1400-LG2 Ends: Undrilled, Drilled-PN16 (or PN6, PN10, JIS5K, etc)
SIZE	DN15-DN200	DN15-DN200	DN15-DN200	DN15-DN100

ITEM	BALL VALVE	BALL VALVE	WAFER BALL VALVE	BALL VALVE
CLASS	CAST IRON, PN16	CAST STEEL, PN40	CARBON STEEL, PN40	CARBON STEEL, PN40
FIG.No	371202	373208	373501	373212
TYPE				
SPECS & REMARKS	BALL VALVE Flange:DIN-PN16 2pc Body Construct.,DIN3357 Full Bore, EN 558-1 series 14 Body:Cast Iron GG25 Trims: Stainless Steel/RPTFE	BALL VALVE Flange:DIN-PN40 2pc Body Construct.,DIN3357 Full Bore, EN 558-1 series 14 Body:Cast Steel GSC25/C22 Trims: Stainless Steel/RPTFE	BALL VALVE Drilling:DIN-PN40 Compact Body, Full Bore Pressure Rating: PN16 -PN40 Body:Carbon Steel A105 Trims: Stainless Steel/RPTFE	BALL VALVE Drilling:DIN-PN40 Long Body, Reduced Bore Pressure Rating: PN16 -PN40 Body:Carbon Steel A105 Trims: Stainless Steel/RPTFE
SIZE	DN15-DN200	DN15-DN200	DN15-DN150	DN15-DN150

DIN/EN Flanged & Wafer VALVES

ITEM	SWING CHECK VALVE	LIFT CHECK VALVE	BALL CHECK VALVE	AXIAL-SPRING CHECK VALVE
CLASS	CAST IRON, PN16	CAST STEEL, PN16 & PN40	DUCTILE IRON, PN16(PN10)	CAST IRON, PN16
Code	421214	423211	421204	421202
TYPE				
SPECS & REMARKS	CHECK VALVE	CHECK VALVE	CHECK VALVE	CHECK VALVE
	Flange:DIN-PN16 Length:EN 558-1 serie 48 Body:Cast Iron EN GJL-20 Trims: Brass/Bronze Option with Counterweight	Flange:DIN-PN40 & PN16 Length:EN 558-1 serie 1 Body:Cast Steel GP240GH Trims: Stainless Steel X20Cr13 Option with Spring	Flange:DIN-PN16 (& PN10) Length:EN 558-1 serie 48 Body:Ductile Iron GJS-400-15 Ball:Nitrile Coated Metal	Flange:DIN-PN16 Body:Cast Iron EN GJL-20 Trims: Stainless St.+Nitrile With spring and Guiding stem
SIZE	DN15-DN300	DN15-DN200	DN50-DN400	DN50-DN200

ITEM	MEMBRANE CHECK VALVE	FOOT CHECK VALVE	SINGLE PLATE CHECK VALVE	DUAL PLATE CHECK VALVE
CLASS	CAST IRON, PN16	CAST IRON, PN10	WAFER, CI or BC/SS , PN16	WAFER, CI/SS or BC, PN16
Code	422202	421205	421501 & 421503	421506 & 421503
TYPE				
SPECS & REMARKS	CHECK VALVE	CHECK VALVE	CHECK VALVE	CHECK VALVE
	Flange:DIN-PN16 Length:EN 558-1 serie 48 Body:Cast Iron EN GJL-20 Trims: Brass + Nitrile Closing Elastic, No water Hamer	Flange:DIN-PN10 Body:Cast Iron EN GJL-20 Trims: Brass + Nitrile Galvanized Strainer	Wafer between flanges DIN Working Pressure: PN16 Body: C.Iron EN GJL-20 or BC Disc: St. Steel 304 Metal to Metal, Spring Return	Wafer between flanges DIN Working Pressure: PN16 Body: Cast Iron EN GJL-20 Disc: St. Steel 304 or Bronze Seat: Elastomer
SIZE	DN50-DN600	DN50-DN300	DN50-DN150	DN50-DN600

ITEM	Y-type STRAINER	Y-type STRAINER
CLASS	CAST IRON, PN16	CAST STEEL, PN25-PN40
FIG.No	431202	433207
TYPE		
SPECS & REMARKS	STRAINER	STRAINER
	Flange:DIN-PN16 Length:EN 558-1 series 1 Body:Cast Iron EN GJL-20 Screen: Stainless Steel Option: with plug	Flange:DIN-PN40 Length:EN 558-1 series 1 Body:Cast Steel Screen: Stainless Steel Option: with plug
SIZE	DN50-DN200	DN50-DN200

FOR DIN VALVES

DIFFERENT MATERIAL COMBINATION ON REQUEST
UNDRILLED FLANGES ON REQUEST
MODIFIED FLANGED ENDS ON REQUEST

OTHER VALVES ACC DIN & EN SPECIFICATION SEE at:

- STAINLESS STEEL VALVES
- TOMOE BUTTERFLY VALVES
- DIN VALVES FOR SPECIAL APPLICATION
 - TLV PRODUCTS

DIN/EN Threaded Bronze VALVES

ITEM	BALL VALVE	GLOBE VALVE	GLOBE VALVE-PTFE DISK	ANGLE VALVE
CLASS	BRONZE, PN16	BRONZE, PN16	BRONZE, PN16	BRONZE, PN16
Code	376110	356110/356120	356121	356123
TYPE				
SPECS & REMARKS	BALL VALVE Nom. Pres.:16bar (max35bar) Full Bore, Metal Handle Body: Hot Pressed Brass Ball: Hot Pressed Brass Nickel Plated, Thread BSP	GLOBE VALVE Nom. Pres.:16bar, Thread:BSP Body: Cast Bronze BS1400-LG2 Disc: Forged Brass CW617N Metal to Metal Seating Design acc. BS 5154	GLOBE VALVE Nom. Pres.:16bar, Thread:BSP Body: Cast Bronze BS1400-LG2 Disc Seat:PTFE Disc: Forged Brass CW617N Design acc. BS 5154	ANGLE VALVE Nom. Pres.:16bar, Thread:BSP Body: Cast Bronze BS1400-LG2 Disc: Forged Brass CW617N Metal to Metal Seating
SIZE	1/4"-4"	1/4"-4"	3/8"-2"	3/8"-2"

ITEM	GATE VALVE	GATE VALVE	LIFT CHECK VALVE	SWING CHECK VALVE
CLASS	BRONZE, PN16	BRONZE, PN 20	BRONZE, PN16	BRONZE, PN16
Code	336111	336110	426121	426115
TYPE				
SPECS & REMARKS	GATE VALVE Nom.Pressure:PN16 Threaded:BSP Specification acc. BS5154/B Body:Forged Brass CW614N	GATE VALVE Nom.Pressure:PN20 Threaded:BSP Conforms to BS5154/B Body: Brass CW614N Fullway	CHECK VALVE Nom.Pressure:PN16 Threaded:BSP Specification acc. BS5154/B Body: Cast Bronze BS1400-LG2 Metal to Metal	CHECK VALVE Nom.Pressure:PN16 Threaded:BSP Specification acc. BS5154/B Body: Cast Bronze BS1400-LG2 Metal to Metal or NBR seated
SIZE	1/2"- 4"	1/4"- 4"	1/2"- 4"	1/2"- 4"

ITEM	SPRING NON RETURN	Y-TYPE STRAINER	ANGLE LIFT CHECK VALVE	FOOT VALVE
CLASS	BRONZE, PN16	BRONZE, PN16	BRONZE, PN16	BRONZE, PN 16
Code	426112/426110	436112	426120	426118
TYPE				
SPECS & REMARKS	NON RETURN Nom.Pres.:22bar, BSP thread. Body: Forged Brass CW617N Disc:NBR,or FKM, or RFKM Option: Nickel Plated Body Operation at any position	STRAINER Nom.Pres.:20bar, BSP thread. Body:Forged Brass CW617N Screen: Stainless Steel (304) Specification acc. BS5154/B	CHECK VALVE Nom.Pressure:PN16 Threaded:BSP Specification acc. BS5154/B Body: Cast Bronze BS1400-LG2 Metal to Metal	FOOT VALVE Nom.Pressure:PN16 Threaded:BSP Body: Cast Bronze Cu60Zn40 With Filtering Foot Rubber Seated
SIZE	1/2"- 4"	1/2"- 4"	3/4"- 2"	1/2"- 4"

DIN/EN VARIOUS/SPECIAL VALVES

ITEM	KNIFE GATE VALVES, ORBINOX	
CLASS	DIN PN10 (& PN16)	
Code	341801- ,341804- ,345801- ,345803- , etc. MODELS: EX, ET, TL, EB	
TYPE		
SPECS & REMARKS	<p align="center">KNIFE GATE VALVES</p> <p>Connection: Wafer, Flanged acc. DIN-PN10, on request: DIN-PN6, PN16, PN25, ANSI150#-ANSI125# Body Mtl: Cast Iron GG25, Ductile Iron GGG40, Stainless Steel CF8M(SS316) etc Gate Material: Stainless steel AISI304, AISI316 etc Seat Material: EPDM, PTFE(teflon), Metal to Metal. Operation: Handwheel, Worm Gear, Electric Actuator, Pneumatic Actuator, with Lever. OPTIONS: With Deflection cone, V-port, Flush port, Surface Treatment, Valve extension, Square Port etc.</p>	
SIZE	DN50-DN1200 depending on the model	

ITEM	BELLOW & RUBBER EXPANSION JOINT	SAFETY RELIEF VALVES
CLASS	DIN-PN10, PN16,PN25	PN10, PN16, PN25
Code	313301-,313302-, 313303-, 313101-, 317201-, etc.	4461-,4412-, 4432-, etc.
TYPE		
SPECS & REMARKS	<p align="center">EXPANSION JOINT</p> <p>Ends: Flanged acc. DIN-PN10, -PN16, -PN25, Threaded, Union. Material-Bellow: Stainless Steel SS316-Ti, SS316L, SS310, etc. Material-Rubber: Perbunan, EPDM, etc. Ends-Material: Carbon Steel, Stainless Steel. Applications: Water, Oil, Gas, Steam for the Bellow type. Options: Angular, with Tie Rods, Special materials.</p>	<p align="center">SAFETY RELIEF VALVES</p> <p>Ends: Threaded, Flanged-DIN. Body Material: Bronze, Cast Iron, Ductile, Carbon Steel etc. Trims Material: Stainless Steel, Bronze, etc. Angular Type, Spring Loaded, Application: Steam, Water, Gas, Oil Special materials and application on request</p>
SIZE	DN15-DN1200	DN15-DN200

ITEM	PIPE AIR VENTS	PRESSURE REDUCING	COCK
CLASS	PN10, PN16,PN25	PN10,PN16,PN25	PN10,PN16
Code	4522-	5112XX-, 5122XX-	3812-,3811-,3861-,
TYPE			
SPECS & REMARKS	<p align="center">AIR VENTS</p> <p>Ends: Threaded, Flanged-DIN Material: Bronze, Cast Iron, Ductile Iron Simple or Triple Function. Float Type. Application: Water.</p>	<p align="center">PRESSURE REDUCING</p> <p>Ends: Threaded, Flanged-DIN Mtl: Bronze, Ductile Iron Mechanical Type. With Spring and Diaphragm. Application: Water, Air</p>	<p align="center">COCK</p> <p>Ends: Threaded, Flanged-DIN Mtl: Bronze, Ductile Iron, C.Iron 2-Way, 3-Way, L or T port Metal Seated</p>
SIZE	DN15-DN200	1/2"-2" & DN40-DN200	DN15-DN150

- OTHER DIN VALVES at:**
- STAINLESS STEEL VALVES
 - TOMOE VALVES
 - TLV VALVES

ANSI-ASME-API VALVES

ITEM	GATE VALVE	GATE VALVE	GATE VALVE	► FEATURES ON REQUEST <ul style="list-style-type: none"> ● ENDS: B.W/ B16.25 and RTJ ● BODY MTL: LCB, WC6, C5, C12, CF8M. ● TRIMS MTL: API600 No5, No10, SOFT SEATS ► OPTIONALS <ul style="list-style-type: none"> DRAIN PLUG GEAR OPERATOR CHAIN WHEEL OPERATOR ELECTRIC ACTUATOR JIS OR DIN CONNECTIONS
CLASS	CLASS 150 RF	CLASS 300 RF	CLASS 600 RF	
Code	333201-, 333223-,	333202-, 333230-,	333231-	
TYPE				
SPECS & REMARKS	GATE VALVE API600, B.B., OS&Y. Face to Face: ANSI B16.10 Flanged :ANSI B16.5-150RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	GATE VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-300RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	GATE VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-600RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	
SIZE	2inch-24inch	2inch-20inch	2inch-12inch	

ITEM	GLOBE VALVE	GLOBE VALVE	GLOBE VALVE	► FEATURES ON REQUEST <ul style="list-style-type: none"> ● ENDS: B.W/ B16.25 and RTJ ● BODY MTL: LCB, WC6, C5, C12, CF8M. ● TRIMS MTL: API600 No5, No10, SOFT SEATS ► OPTIONALS <ul style="list-style-type: none"> DRAIN PLUG GEAR OPERATOR CHAIN WHEEL OPERATOR ELECTRIC ACTUATOR JIS OR DIN CONNECTIONS
CLASS	CLASS 150 RF	CLASS 300 RF	CLASS 600 RF	
Code	353210-, 353226-,	353221-, 353227-,	353260-, 353280-,	
TYPE				
SPECS & REMARKS	GLOBE VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-150RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	GLOBE VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-300RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	GLOBE VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-600RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	
SIZE	2inch-16inch	2inch-12inch	2inch-12inch	

ITEM	SWING CHECK VALVE	SWING CHECK VALVE	SWING CHECK VALVE	► FEATURES ON REQUEST <ul style="list-style-type: none"> ● ENDS: B.W/ B16.25 and RTJ ● BODY MTL: LCB, WC6, C5, C12, CF8M. ● TRIMS MTL: API600 No5, No10, SOFT SEATS ► OPTIONALS <ul style="list-style-type: none"> DRAIN PLUG LEVER -WEIGHT SHOCK ABSORBER JIS OR DIN CONNECTIONS
CLASS	CLASS 150 RF	CLASS 300 RF	CLASS 600 RF	
Code	423201-, 423208-,	423202-, 423218-,	423203-, 423229-,	
TYPE				
SPECS & REMARKS	CHECK VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-150RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	CHECK VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-300RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	CHECK VALVE API600, B.B., OS&Y. Face to Face:ANSI B16.10 Flanged :ANSI B16.5-600RF Pressure Rating:ANSI B16.34 Body Mtl:Carbon St.A216-WCB Trims Mtl:F6+HF	
SIZE	2inch-16inch	2inch-12inch	2inch-8inch	

ANSI-ASME-API VALVES

ITEM	BALL VALVE	BALL VALVE	BALL VALVE	
CLASS	FULL BORE-CLASS150RF	RED. BORE-CLASS150RF	FULL BORE-CLASS300RF	
Code	373201-, 373202-	373204-	373205-	
TYPE				► FEATURES ON REQUEST <ul style="list-style-type: none"> ● ENDS: Butt Weld.-ASME B16.25 ● BODY MTL: LCB, Stainl.St. CF8M, CF8 ● BALL MTL: SS410/420,SS304,SS316 ● SEATS: Various Soft Seal, Metal Seal ► OPERATION By Lever, By Worm Gear With Pneumatic Actuator With Electric Actuator
SPECS & REMARKS	Floating Type, Fire Safe. Wall Thickness: ANSI B16.10 F to F dims.: ASME B16.10 Body Mtl:Carbon St.A216-WCB Ball Mtl.:Stainless St. (varius) Seat Mtl: RPTFE	Floating Type, Fire Safe. Wall Thickness: ANSI B16.10 F to F dims.: ASME B16.10 Body Mtl:Carbon St.A216-WCB Ball Mtl.:Stainless St. (varius) Seat Mtl: RPTFE	Floating Type, Fire Safe. Wall Thickness: ANSI B16.10 F to F dims.: ASME B16.10 Body Mtl:Carbon St.A216-WCB Ball Mtl.:Stainless St. (varius) Seat Mtl: RPTFE	
SIZE	1/2inch-12inch	1/2inch-8inch	1/2inch-8inch	

ITEM	GATE VALVE	GLOBE VALVE	GLOBE VALVE	
CLASS	800LBS	800LBS	1500LBS	
Code	333101-, 333401-	353103-, 353401-	353104-, 353404-	
TYPE				► FEATURES ON REQUEST <ul style="list-style-type: none"> ● ENDS: B.W. , Nipped ends ● BODY MTL: CFBM, CF8, F9,F11 ● TRIMS MTL: API600 No5, No8, No10, ► OPTIONALS BELLOW SEAL ELECTRICK OPERATED WELDED BONNET Y-TYPE
SPECS & REMARKS	Design: API 602, BS5352. End to End:ANSI B16.10 Ends:NPT /B1.20.1,SW/B16.11 PresSure Rat:ANSI B16.34/API 605-5 Body Mtl:Carbon St. A105 Trims Mtl: A182-F6 HF	Design: API 602, BS5352. End to End:ANSI B16.10 Ends:NPT /B1.20.1,SW/B16.11 PresSure Rat:ANSI B16.34/API 605-5 Body Mtl:Carbon St. A105 Trims Mtl: A182-F6 HF	Design: API 602, BS5352. End to End:ANSI B16.10 Ends:NPT /B1.20.1,SW/B16.11 PresSure Rat:ANSI B16.34/API 605-5 Body Mtl:Carbon St. A105 Trims Mtl: A182-F6 HF	
SIZE	3/8inch-2inch	3/8inch-2inch	3/8inch-2inch	

ITEM	SWING CHECK VALVE	PISTON CHECK VALVE	BALL CHECK VALVE	
CLASS	800LBS	800LBS	800LBS	
Code	423101-, 423401-,	423102-, 423402-,	423104-, 423403-,	
TYPE				► FEATURES ON REQUEST <ul style="list-style-type: none"> ● ENDS: B.W. , Nipped ends ● BODY MTL: CFBM, CF8, F9,F11 ● TRIMS MTL: API600 No5, No8, No10, ► OPTIONALS SPRING LOADED WELDED BONNET Y-TYPE
SPECS & REMARKS	Design: API 602, BS5352. End to End:ANSI B16.10 Ends:NPT /B1.20.1,SW/B16.11 PresSure Rat:ANSI B16.34/API 605-5 Body Mtl:Carbon St. A105 Trims Mtl: A182-F6 HF	Design: API 602, BS5352. End to End:ANSI B16.10 Ends:NPT /B1.20.1,SW/B16.11 PresSure Rat:ANSI B16.34/API 605-5 Body Mtl:Carbon St. A105 Trims Mtl: A182-F6 HF	Design: API 602, BS5352. End to End:ANSI B16.10 Ends:NPT /B1.20.1,SW/B16.11 PresSure Rat:ANSI B16.34/API 605-5 Body Mtl:Carbon St. A105 Trims Mtl: A182-F6 HF	
SIZE	3/8inch-2inch	3/8inch-2inch	3/8inch-2inch	

ANSI-ASME-API VALVES

ITEM	WAFER DUAL CHECK	WAFER DUAL CHECK	FLANGED DUAL CHECK	
CLASS	CLASS 150LBS	CLASS 300LBS	CLASS150LBS	
Code	423505-, 423501-	423503-	4232-	
TYPE				<p>► OPTIONALS</p> <ul style="list-style-type: none"> ● BODY MATERIAL: STAINLESS STEEL SS316 BRONZE or ALUM.BRONZE ● PLATES MATERIAL: STAINLESS STEEL SS316 BRONZE, ALUBRONZE
SPECS & REMARKS	<p>WAFER DUAL CHECK</p> <p>Design & F to F: API 598 Body Mtl: Carbon S. A234 WCB Plate Mtl: Stainless St. SS316 SeatMtl: Viton or Metal Ends: Wafer acc ANSI cl.150LB</p>	<p>WAFER DUAL CHECK</p> <p>Design & F to F: API 598 Body Mtl: Carbon S. A234 WCB Plate Mtl: Stainless St. SS316 SeatMtl: Viton or Metal Ends: Wafer acc ANSI cl.300LB</p>	<p>FLANGED DUAL CHECK</p> <p>Design & F to F: API 598 Body Mtl: Carbon S. A234 WCB Plate Mtl: Stainless St. SS316 SeatMtl: Viton or Metal Ends: Wafer acc ANSI cl.150LB</p>	
SIZE				

ITEM	Y-TYPE STRAINER	Y-TYPE STRAINER	Y-TYPE STRAINER	
CLASS	ANSI 150LBS-RF	ANSI 300LBS-RF	CLASS 800LBS	
Code	433205-	433208-	433101-, 433401-,	
TYPE				<p>► ON REQUEST</p> <ul style="list-style-type: none"> ● BODY MATERIAL for RF: LCB, WC6,C5,CF8M,CF8 ● BODY MTL for 800LBS: LF2, F11, F316 Butt Welding ends <p>► SCREEN PERFORATION Special features upon Customer's requirements</p> <p>► CLASS on Request 600Lbs, 900Lbs, 1500Lbs</p> <p>► TYPES on Request Basket Type/ Single-Twin Temporary type</p>
SPECS & REMARKS	<p>STRAINER</p> <p>Basic Design :ANSI B16.34 Y-Pat., Bolted Cover,with plug Flanged Ends: ANSI 150RF Perforated Stainless Steel Body Mtl:Carbon Steel WCB Screen:Stainless Steel SS316</p>	<p>STRAINER</p> <p>Basic Design :ANSI B16.34 Y-Pat., Bolted Cover,with plug Flanged Ends: ANSI 150RF Perforated Stainless Steel Body Mtl:Carbon Steel WCB Screen:Stainless Steel SS316</p>	<p>STRAINER</p> <p>Basic Design :ANSI B16.34 Y-Pat., Thread.Cover,with plug Ends: NPT/B1.20.1,SW/B16.11 Perforated Stainless Steel Body Mtl:Carbon Steel A105 Screen:Stainless Steel</p>	
SIZE	size 1/2inch-16inch	size 1/2inch-10inch	size 1/2inch-2inch	

ITEM	3PIECE BALL VALVE	SAFETY RELIEF VALVE
CLASS	CLASS 800/1500	CLASS600
Code	373102-, 373401-,	4431-, 4451-,
TYPE		
SPECS & REMARKS	<p>BALL VALVE</p> <p>Construction acc BS5351 Floating Ball, Blowout Stem Fire safe, Anti-static. Ends:Threaded, SW, ButtWeld. Body Mtl:Carbon St.A105/WCB Ball Mtl:Stainless St.316/304</p>	<p>SAFETY RELIEF VALVE</p> <p>Angle Type ,Spring Loaded Full Lift, with Bellow Threaded Ends M/F, SW. Body Mtl: A105 or SS316 Trims:Stainless Steel Soft or metal seal</p>
SIZE	1/4"inch-4inch	1/2", 3/4", 1"

FOR ANSI/ASME VALVES

DIFFERENT MATERIAL COMBINATION ON REQUEST
UNDRILLED FLANGES ON REQUEST
MODIFIED FLANGED ENDS ON REQUEST

OTHER VALVES acc. ANSI/ASME SPECS SEE at:

- STAINLESS STEEL VALVES
- TOMOE BUTTERFLY VALVES
- TLV PRODUCTS

MARINE BRONZE VALVES acc JIS specs

ITEM	GLOBE VALVES AND SDNR VALVES			
CLASS	JIS 5K	JIS 16K	JIS 5K	JIS 16K
Code	JIS F7301 / F7351	JIS F7303 / F7409	JIS F7346 / F7411	JIS F7348 / F7413
TYPE				
SPECS & REMARKS	GLOBE VALVES AND SDNR VALVES			
	Steam of 205°C or less:5kgf/cm2 Air,Gas,Oil and pulsation water : 5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 16kgf/cm2 Non-shock water of 120°C or less: 22kgf/cm2 Body/Trims Material: BC/BC	Steam of 205°C or less:5kgf/cm2 Air,Gas,Oil and pulsation water : 5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 16kgf/cm2 Non-shock water of 120°C or less: 22kgf/cm2 Body/Trims Material: BC/BC
SIZE	15A-65A	15A-65A	15A-40A	15A-40A

ITEM	ANGLE VALVES AND SDNR ANGLE VALVES			
CLASS	JIS 5K	JIS 16K	JIS 5K	JIS 16K
Code	JIS F7302 / F7353	JIS F7304 / F7352	JIS F 7347/ F7412	JIS F7349 / F F7414
TYPE				
SPECS & REMARKS	ANGLE VALVES AND SDNR ANGLE VALVES			
	Steam of 205°C or less:5kgf/cm2 Air,Gas,Oil and pulsation water : 5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 16kgf/cm2 Non-shock water of 120°C or less: 22kgf/cm2 Body/Trims Material: BC/BC	Steam of 205°C or less:5kgf/cm2 Air,Gas,Oil and pulsation water : 5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 16kgf/cm2 Non-shock water of 120°C or less: 22kgf/cm2 Body/Trims Material: BC/BC
SIZE	15A-65A	15A-40A	15A-40A	15A-40A

ITEM	GLOBE & SDNR	ANGLE & SDNR	GATE VALVE	
CLASS	JIS 10K	JIS10K	JIS 5K	JIS10K
Code	JIS B2026 & JISB2026SDNR	JIS B2017 & JISB2027SDNR	JIS F7367	JIS F7368
TYPE				
SPECS & REMARKS	GLOBE & SDNR			
	Pressure rating: 10kgf/cm2 Body test pssure: 21 kgf/cm2 Seat test pressure: 15,4kgf/cm2 Threaded Bonnet Body/Trims Material: BC/BC	Pressure rating: 10kgf/cm2 Body test pssure: 21 kgf/cm2 Seat test pressure: 15,4kgf/cm2 Threaded Bonnet Body/Trims Material: BC/BC	Oil and pulsation water:5kgf/cm2 Saturated steam: 2kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	Oil and pulsation water:10kgf/cm2 Saturated steam: 2kgf/cm2 Non-shock water of 120°C or less: 14kgf/cm2 Body/Trims Material: BC/BC
SIZE	15A-100A	15A-40A	15A-40A	15A-40A

MARINE BRONZE VALVES acc. JIS specs

ITEM	SWING CHECK	LIFT CHECK GLOBE	LIFT CHECK ANGLE	COCK (2WAY, 3WAY)
CLASS	JIS 5K	JIS5K	JIS 5K	JIS 5K
Code	JIS F7371	JIS F7356	JIS F7416	JIS F7381
TYPE				
SPECS & REMARKS	SWING CHECK Oil and pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	CHECK GLOBE Oil and pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	CHECK ANGLE Oil and pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Body/Trims Material: BC/BC	COCK L-type or T-type, With yoke Water and oil: 5kgf/cm2 Body test pressure: 7.5kgf/cm2 Seat test pressure:5.5kgf/cm2 Body/Trims Material: BC/BC
SIZE	15A-40A	15A-65A	15A-40A	15A-80A

ITEM	SELF CLOSING DRAIN	EMERGENCY SHUTT OFF	SELF-CLOSING GATE VALVE	SELF CLOSING COCK HEAD
CLASS	JIS 5K/10K	JIS10K	JIS 5K	JIS 5K
Code	JIS F7398	JIS F7399	JIS F 3019	JIS F3018
TYPE				
SPECS & REMARKS	SELF CLOSING DRAIN For Fuel Oil Tank Self Closing Drain Valves Type F, Type U Push Type, Lever Type Pressure test Seat:1,5kgf/cm2 Body/Trims Material: BC/BC	EMERGENCY SHUTT OFF For Fuel Oil Tank Emergency Shutt-off Valves Straight Type, Angle Type With Lever and Pneumat. Cylinder Pressure test Seat:2,0kgf/cm2 Body/Trims Material: BC/BC	GATE VALVE Self Closing Gate Valve for Short Sounding Pipe containing oil fuel and other flammable oils. Material: Bronze	COCK Self Closing Cock Valve for Short Sounding Pipe containing oil fuel and other flammable oils. Material: Bronze
SIZE	15A-50A	15A-65A (-250A)	40A-80A	40A

ITEM	GLOBE VALVE	ANGLE VALVE	COCK VALVE
CLASS	JIS 20K	JIS 20K	JIS16K
Code	JIS F7388	JIS F7389	JIS F7387
TYPE			
SPECS & REMARKS	GLOBE VALVE Type S(Screwed) or U(Union) Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 20kgr/cm2. Non-shock water of 120°C or less: 28Kgr/cm2 Body/Trims Material: BC/BC	ANGLE VALVE Type S(Screwed) or U(Union) Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 20kgr/cm2. Non-shock water of 120°C or less: 28Kgr/cm2 Body/Trims Material: BC/BC	COCK VALVE Type S(Screwed) or U(Union) Pressure Rating: from 5kgf/cm2 up to 16kgf/cm2 depending on medium, temperature and size. Body/Trims Material: BC/BC
SIZE	6A , 10A	6A , 10A	Type-S(6A~20A), U(6A,10A)

MARINE BRONZE VALVES acc JIS specs

ITEM	HOSE GLOBE VALVE	HOSE ANGLE VALVE
CLASS	JIS 5K, JIS 10K	JIS 5K, JIS 10K
Code	JIS F7334	JIS F7334
TYPE		
SPECS & REMARKS	<p>HOSE GLOBE VALVE</p> Flanges conform to JIS B2240 JIS 5K or JIS 10K Pressure class: 5kgf/cm ² , or 10kgf/cm ² Body/trims Material : Bronze and Brass Coupling: Cap M42x2 for 15A and 25A, Nakajima System Coupling for 50A and 65A Other Coupling: Storz Coupling(40A,50A,65A), AB Coupling(65A)	<p>HOSE ANGLE VALVE</p> Flanges conform to JIS B2240 JIS 5K or JIS 10K Pressure class: 5kgf/cm ² , or 10kgf/cm ² Body/trims Material : Bronze and Brass Coupling: Cap M42x2 for 15A and 25A, Nakajima System Coupling for 50A and 65A Other Coupling: Storz Coupling(40A,50A,65A), AB Coupling(65A)
SIZE	15A-65A	15A-65A

ITEM	HOSE VALVE with ANSI screw threads ANSI/NFPA
CLASS	JIS10K
Code	JMS7305-10kgr/cm ²
TYPE	
SPECS & REMARKS	<p>HOSE VALVE GLOBE or ANGLE TYPE</p> Flanges conform to JIS B2240 JIS 5K or JIS 10K Pressure class: 10kgf/cm ² Body/trims Material : Bronze and Brass Threaded:ANSI-NFPA 1963 (1 1/2"->9thr/inch, 2 1/2"->7.5thr/inch)
SIZE	40A and 65A

FOR BRONZE JIS VALVES:

DIFFERENT TRIMS MATERIAL ON REQUEST
 MODIFIED FLANGED ENDS ON REQUEST

ITEM	NEEDLE VALVES
CLASS	varies from 15kgf/cm ² up to 35kgf/cm ²
Code	impa code ref: 75 21 01 to 75 21 61
TYPE	
SPECS & REMARKS	<p>NEEDLE VALVES</p> <ul style="list-style-type: none"> •For controlling flow or liquids gases. •Made of rod Brass or Brass Maximum Pressure varies up to 60 kgf/cm² depending of the type of Needle valves Maximum Temperature up to 100degC Types: •Brass Needle valve with Ring & Nut for Copper Tubing•Brass Needle Straight Valve with Ring Joint Nut Both Ends • Brass Needle Straight Valve Both Female End • Brass Needle Straight Valve Male&Female Ends • Brass Needle Angle Valves Male & Female Ends.
SIZE	6A-14A, 1/8"-1/2"

MARINE CAST IRON VALVES acc. JIS

ITEM	GATE VALVE			SWING CHECK VALVE
CLASS	JIS 5K	JIS 10K	JIS 16K	JIS 5K
Code	JIS F-7363	JIS F-7364	JIS F-7369 (KR std)	JIS F-7372
TYPE				
SPECS & REMARKS	GATE VALVES			CHECK VALVE
	Body/Trims Mtl:FC/SS or FC/BC Saturated Steam:3kgf/cm2 Oil & pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 maxWP, for size >250A, pls ask	Body/Trims Mtl:FC/SS or FC/BC Saturated Steam:5kgf/cm2 Oil & pulsation water:10kgf/cm2 Non-shock water of 120°C or less: 14kgf/cm2 maxWP, for size >250A, pls ask	Body/Trims Mtl:FC/SS or FC/BC max.Work.Pressure:16kgf/cm2 Body test pressure:24kgf/cm2 Seat test pressure: 17,6kgf/cm2	Body/Trims Mtl:FC/SS or FC/BC Oil & pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2
SIZE	40A-600A	40A-600A	50A-400A	50A-250A

ITEM	GLOBE VALVE & SDNR GLOBE VALVE			SWING CHECK VALVE
CLASS	JIS 5K	JIS 10K	JIS 16K	JIS 10K
Code	JIS F-7305 / JIS F-7353	JIS F-7307 / JIS F-7375	JIS F-7309 / JIS F-7377	JIS F-7373
TYPE				
SPECS & REMARKS	GLOBE VALVE & SDNR GLOBE VALVE			CHECK VALVE
	Body/Trims Mtl:FC/SS or FC/BC Steam of 205°C or less:5kgf/cm2 Air,Gas,Oil and pulsation water : 5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2	Body/Trims Mtl:FC/SS or FC/BC Steam of 205°C or less:10kgf/cm2 Air,Gas,Oil and pulsation water : 10kgf/cm2 Non-shock water of 120°C or less: 14 kgf/cm2	Body/Trims Mtl:FC/SS or FC/BC Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 16kgf/cm2 Non-shock water of 120°C or less: 22 kgf/cm2	Body/Trims Mtl:FC/SS or FC/BC Oil & pulsation water:10kgf/cm2 Non-shock water of 120°C or less: 14kgf/cm2
SIZE	50A - 400A	50A - 300A	50A- 200A	50A-250A

ITEM	ANGLE & SDNR ANGLE VALVES			LIFT CHECK VALVE
CLASS	JIS 5K	JIS 10K	JIS 16K	JIS 5K
Code	JIS F-7306 / JIS F-7354	JIS F-7308 / JIS F-7376	JIS F-7310 / JIS F-7378	JIS F-7358 / JIS F-7359
TYPE				
SPECS & REMARKS	ANGLE & SDNR ANGLE VALVES			CHECK VALVE
	Body/Trims Mtl:FC/SS or FC/BC Steam of 205°C or less:5kgf/cm2 Air,Gas,Oil and pulsation water : 5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2	Body/Trims Mtl:FC/SS or FC/BC Steam of 205°C or less:10kgf/cm2 Air,Gas,Oil and pulsation water : 10kgf/cm2 Non-shock water of 120°C or less: 14 kgf/cm2	Body/Trims Mtl:FC/SS or FC/BC Steam of 205°C or less:16kgf/cm2 Air,Gas,Oil and pulsation water : 16kgf/cm2 Non-shock water of 120°C or less: 22 kgf/cm2	STRAIGHT OR ANGLE TYPE Body/Trims Mtl:FC/SS or FC/BC Oil & pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7kgf/cm2
SIZE	50A - 400A	50A - 300A	50A- 200A	50A - 150A

MARINE CAST STEEL VALVES acc. JIS

ITEM	GLOBE & SDNR VALVE			
CLASS	JIS 5K	JIS 10K	JIS 20K	JIS 40K
Code	JIS F-7311, ref JIS F-7305(CS)	JIS F-7319 / JIS F-7411	JIS F-7313 / JIS F-7473	JIS F-7317
TYPE				
SPECS & REMARKS	GLOBE & SDNR VALVE			
	Body/Trims Material:SC/SS Oil & pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Size 250A & 300A: JIS F-7311 Size 50A-200A: ref JIS F-7305	Body/Trims Material:SC/SS Steam of 300°C:10kgf/cm2 Steam < 220°C, Air, Gas, Oil and pulsation water: 12kgf/cm2 Non-shock water < 120°C : 14kgf/cm2	Body/Trims Material:SC/SS Steam of 400°C:23kgf/cm2 Steam of 350°C:26kgf/cm2 Steam < 220°C, Air, Gas, Oil and pulsation water: 31kgf/cm2 Nonshock water<120°C:34kgf/cm2	Body/Trims Material:SC/SS Steam of 425°C:40kgf/cm2 Steam of 400°C:46kgf/cm2 Steam < 300°C :57kgf/cm2 Air, Gas, Oil and pulsation water: 62kgf/cm2
SIZE	50A-300A	50A-300A	32A-250A	32A-150A

ITEM	ANGLE & SDNR ANGLE VALLVE			
CLASS	JIS 5K	JIS 10K	JIS 20K	JIS 40K
Code	JIS F-7312, ref JIS F-7306(CS)	JIS F-7320 / JIS F-7472	JIS F-7314 / JIS F-7474	JIS F-7318
TYPE				
SPECS & REMARKS	ANGLE & SDNR ANGLE VALVE			
	Body/Trims Material:SC/SS Oil & pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Size 250A & 300A: JIS F-7312 Size 50A-200A: ref JIS F-7306	Body/Trims Material:SC/SS Steam of 300°C:10kgf/cm2 Steam < 220°C, Air, Gas, Oil and pulsation water: 12kgf/cm2 Non-shock water < 120°C : 14kgf/cm2	Body/Trims Material:SC/SS Steam of 400°C:23kgf/cm2 Steam of 350°C:26kgf/cm2 Steam < 220°C, Air, Gas, Oil and pulsation water: 31kgf/cm2 Nonshock water<120°C:34kgf/cm2	Body/Trims Material:SC/SS Steam of 425°C:40kgf/cm2 Steam of 400°C:46kgf/cm2 Steam < 300°C :57kgf/cm2 Air, Gas, Oil and pulsation water: 62kgf/cm2
SIZE	50A-300A	50A-300A	32A-250A	32A-150A

ITEM	GATE VALVE	GATE VALVE	HULL VALVES	EMERGENCY SHUTT OFF
CLASS	JIS 5K	JIS 10K	JIS 10K	JIS10K
Code	ref JIS F-7363	JIS F-7366	JIS F-7350	JIS F7399
TYPE				
SPECS & REMARKS	GATE VALVE			
	Body/Trims Material:SC/SS Saturated steam: 3 kgf/cm2 Oil & pulsation water:5kgf/cm2 Non-shock water of 120°C or less: 7 kgf/cm2 Basic design ref.:JIS F 7363	Body/Trims Material:SC/SS Saturated steam: 7kgf/cm2 Oil & pulsation water: 10kgf/cm2 Non-shock water of 120°C or less: 14kgf/cm2	Body/Trims Material:SC/SS Sea water and bilge 50A-300A:10 Kgf/cm2 350A-800A: 2Kgrf/cm2 Angle With Indicator	Body/Trims Material:SC/SS For Fuel Oil Tank Emergency Shut-off Valves Straight Type, Angle Type With Lever and Pneumat. Cylinder Pressure test Seat: 2,0kgf/cm2
SIZE	50A-300A	50A-400A	350A-800A	50A-150A

MARINE CAST & FORGED STEEL VALVES acc. JIS

ITEM	VERTICAL STORM VALVE	ANGLE STORM VALVE	HORIZONTAL STORM VALVE	GLOBE & ANGLE VALVE
CLASS	JIS 5K & JIS 10K	JIS 5K & JIS 10K	JIS 5K & JIS 10K	JIS 20K (type S & U)
Code	JIS F-3059	JIS F-3060	ref. JIS F-3059	JIS F-7421 & JIS F-7422
TYPE				
SPECS & REMARKS	STORM VALVE Flanged ends: JIS 5K or JIS 10K With or Without Handle Body Mtl: Cast Steel SC49 Trim Mtl: Bronze BC6 Test Pressure: 5,1 Kgf/cm2	STORM VALVE Flanged ends: JIS 5K or JIS 10K With or Without Handle Body Mtl: Cast Steel SC49 Trim Mtl: Bronze BC6 Test Pressure: 5,1 Kgf/cm2	STORM VALVE Flanged ends: JIS 5K or JIS 10K With or Without Handle Body Mtl: Cast Steel SC49 Trim Mtl: Bronze BC6 Test Pressure: 5,1 Kgf/cm2	GLOBE & ANGLE VALVE Type S (Screwed) or U (Union) Body Material: Forged Steel Steam of 400°C: 22kgf/cm2 Steam of 300°C: 29kgf/cm2 Steam < 220°C, Air, Gas, Oil and pulsation water: 31kgf/cm2
SIZE	50A-250A	50A-250A	50A-250A	6A, 10A

ITEM	FORGED STEEL GLOBE & ANGLE VALVES	DUAL PLATE CHECK VALVE	SINGLE PLATE CHECK VALVE
CLASS	JIS 20K	JIS 40K	JIS 5K, JIS 10K, JIS 16K
Code	JIS F-7421 & F-7422 (Type F)	JIS F-7429 & 7430 (Type F)	42xxxx-
TYPE			
SPECS & REMARKS	GLOBE & ANGLE VALVES Flanged ends : JIS 20K Steam of 400°C: 22kgf/cm2 Steam of 350°C: 26kgf/cm2 Steam of 300°C: 29kgf/cm2 Steam < 220°C, Air, Gas, Oil and pulsation water: 31kgf/cm2	GLOBE & ANGLE VALVES Flanged ends : JIS 40K Steam of 425°C: 40kgf/cm2 Steam of 400°C: 46kgf/cm2 Steam of 350°C: 52kgf/cm2 Steam < 300°C, Air, Gas, Oil and pulsation water: 57kgf/cm2	CHECK VALVE Wafer Type: JIS5K, JIS10K, JIS16K Double Flanged Type acc JIS5K, JIS10K, JIS16K Body mtl: Cast Steel, Bronze, Stainless Steel CF8M, FCD, FC. Disc mtl: Stainless Steel, Bronze
SIZE	15A, 20A, 25A	15A, 20A, 25A	50A-600A

ITEM	OTHER JIS VALVES AND TRANSACTION ITEMS
ITEM	AIR PIPE HEADS, WATER STRAINERS, MUD BOX, MARINE PIPE COUPLING
CLASS	JIS 5K, JIS10K, JIS 16K
TYPE	
SPECS & REMARKS	AIR PIPES HEADS, WATER STRAINERS, MUD BOX, MARINE PIPE COUPLING <ul style="list-style-type: none"> ● Simplex Oil Strainers, JIS F-7209, S-type, LA-type, LB-type, JIS5K, JIS10K, JIS16K ● Mud Boxes, JIS F-7203, H-type, L-type, JIS5K, JIS10K, JIS16K ● Water Strainers, JIS F-7121, S-type, LA-type, LB-type, JIS5K, JIS10K, JIS16K ● Air Pipe Head, for Ballast and Oil Tank, Disk Float, JIS5K, JIS10K (FC) ● Marine Pipe Coupling sizes up to 600A (SC, FCD) ● Flexible Pipe Coupling (Stainless Steel)
SIZE	JIS F-7209: 25A-300A, JIS F-7203: 40A-250A, JIS F-7121: 25A-400A,

- OTHER JIS VALVES at:**
- TOMOE Butterfly Valves
 - TLV Valves
 - STAINLESS STEEL VALVES

STAINLESS STEEL VALVES

ITEM	1PC BALL VALVE threaded	2PC BALL VALVE threaded	3PC BALL VALVE threaded	2PC BALL VALVE Flanged
CLASS	800psi/ 1000psi	1000psi	1000psi	PN10-16, JIS10K-16K
Code	375101-, 375106-	375102-,	375103-,375104-	375202-
TYPE				
SPECS & REMARKS	BALL VALVE Ends: Threaded BSP/T, (NPT) max W.P.: 40kgf/cm2 Reduced Bore. Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE Blow out proof stem	BALL VALVE Ends: Threaded BSP/T, (NPT) max W.P.: 68kgf/cm2 Full Bore. Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE Blow out proof stem	BALL VALVE Ends: BSP/T, SW, BW, NPT max W.P.: 68kgf/cm2 Full Bore. Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE Blow out proof stem	BALL VALVE Ends:DIN-PN16, PN10 ANSI 150RF, JIS16K max W.P.: 16kgf/cm2 Full Bore,Blow out proof stem Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE
	SIZE	1/4inch-2inch	1/4inch-3inch	1/4inch-4inch

ITEM	1PC BALL VALVE WAFER	3PC BALL VALVE Flanged	GATE VALVE Threaded	GLOBE VALVE Threaded
CLASS	DIN PN16-PN40	DIN PN16-PN40	200psi	200psi
Code	375501-	375212-	335101-	355103-
TYPE				
SPECS & REMARKS	BALL VALVE Ends:DIN-PN16, PN10 max W.P.: 16kgf/cm2 Full Bore,Blow out proof stem Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE	BALL VALVE Ends:DIN-PN16, PN40 max W.P.: 40kgf/cm2 Full Bore,Blow out proof stem Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE	GATE VALVE Ends: BSP/T max W.P.: 13kgf/cm2 Valve Body:SUS316 (CF8M) Non Rising Stem Threaded Bonnet	GLOBE VALVE Ends: BSP/T max W.P.: 13kgf/cm2 Valve Body:SUS316 (CF8M) Non Rising Stem Threaded Bonnet
	SIZE	DN15-DN200	DN15-DN100	1/2inch-2inch

ITEM	3-WAY BALL VALVE	NEEDLE VALVE	Y-TYPE STRAINER Threaded	Y-TYPE STRAINER Flanged
CLASS	1000psi	6000psi	600psi	PN10-16, JIS10K-16K
Code	375107-	355102-	435101-	435201-
TYPE				
SPECS & REMARKS	BALL VALVE Ends: Threaded BSP/T, (NPT) max W.P.: 68kgf/cm2 Full Bore, L-Type, T-Type Valve Body:SUS316 (CF8M) Ball:SUS316 , Seat:PTFE Blow out proof stem	NEEDLE VALVE Ends: Threaded BSP/T, max W.P.: 400kgf/cm2 Valve Body:SUS316 (CF8M) Rising Stem	STRAINER Ends: Threaded BSP/T, max W.P.: 40kgf/cm2 Valve Body:SUS316 (CF8M) Threaded cap With drain plug	STRAINER Ends:DIN-PN16, (JIS 10K &16K) max W.P.: 16kgf/cm2 Valve Body:SUS316 (CF8M) Bolted cap With Drain plug
	SIZE	1/4inch-3inch	1/4inch-1inch	3/8inch-3inch

STAINLESS STEEL VALVES

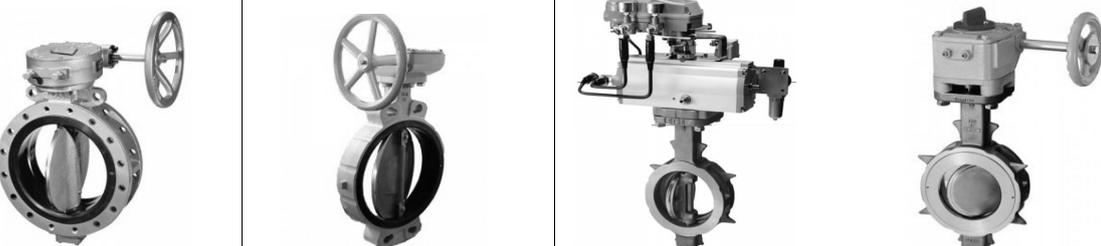
ITEM	SWING CHECK VALVE	PISTON CHECK VALVE	PLATE CHECK VALVE WAFER	WAFER SWING CHECK
CLASS	200psi	600psi	PN 25-PN 40	PN10-16, JIS10K-16K
Code	425101-	425102-	425502-	425504-
TYPE				
SPECS & REMARKS	CHECK VALVE Ends: Threaded BSP/T max W.P.: 13kgf/cm2 Threaded cap Valve Body:SUS316 (CF8M)	CHECK VALVE Ends: Threaded BSP/T max W.P.: 40kgf/cm2 With spring Valve Body:SUS316 (CF8M) Disc Seat:PTFE	CHECK VALVE Wafer acc. DINPN10-PN40. max W.P.: 40kgf/cm2 Single Plate, Spring Return Ball:SUS316 , Seat:PTFE Disc: SUS316	CHECK VALVE Wafer acc. DINPN10/16, JIS JIS 5K/ 10K/ 16K max W.P.: 16kgf/cm2 Without or with spring Valve Body:SUS316 (CF8M) Disc:SS316 , Seat:VITON (PTFE)
SIZE	1/2inch-3inch	1/2inch-2inch	DN15-DN150	DN40-DN600

ITEM	DUAL PLATE CHECK WAFER	TILTING DISC CHECK	GATE VALVE FLANGED	GLOBE VALVE FLANGED
CLASS	PN16, ANSI 150, JIS16K	DIN PN16-PN40	DINPN16, 150RF, JIS16K	DINPN10, 150RF, JIS16K
Code	425509-	425505-	3352xx-	3552xx-
TYPE				
SPECS & REMARKS	CHECK VALVE Wafer acc. DIN PN16, ANSI 150LB, JIS 5K, JIS 10K, JIS 16K Valve Body:SUS316 (CF8M) Disc Mtl:Stainless Steel SS316 Seat Mtl: PTFE, Metal to Metal	CHECK VALVE Wafer acc. DIN PN10-PN40 max W.P.: 40kgf/cm2 Oblique seating Metal seating Valve Body:CF8M (sss316) Disc : Stainless Steel 316	GATE VALVE Flanged ends : DIN-PN16, ANSI150RF, JIS10K/16K Rising Stem, O.S.& Y, Non rising Handwheel Body:CF8M (SS316) Trims: SS316	GLOBE VALVE Flanged ends : DIN-PN16, ANSI150RF, JIS10K/16K Rising Stem, O.S.& Y, Rising Handwheel Body:CF8M (SS316) Trims: SS316
SIZE	50A-600A	DN50-DN300	DN50-DN300	DN50-DN300

ITEM	KNIFE GATE VALVES, ORBINOX
CLASS	DIN-PN10 (150RF)
Code	3455xx-
TYPE	 
SPECS & REMARKS	KNIFE GATE VALVES Applicable Flanges acc DIN-PN10 (on request 150RF) Valve Body:Stainless Steel, CF8M Disc: Stainless Steel, CF8M Seat: Metal to Metal, PTFE Operation: Handwheel, with Pneumatic or Electric Actuator.
SIZE	DN50-DN600

TOMOE BUTTERFLY VALVES

Model	700G (wafer), 705G (semi-lugged), 704G (full-lugged)		
ENDS	WAFER, SEMI-LUGGED, FULL-LUGGED		
TYPE			
SPECS & REMARKS	<p align="center">BUTTERFLY VALVES</p> <ul style="list-style-type: none"> • Applicable Flanges: DIN PN10/16, JIS5K & JIS10K, ANSI-125/150LB, BS4504-NP10, NP16, BS10"E" • Face to Face: API609 & ISO 5752series20 • Body: Ductile Iron FCD450, Cast Iron FC250, Cast Steel on request • Disc Material: Stainless Steel SCS14 (SS316) & SCS13 (SS304), Aluminium Bronze CAC702, PPS, Nylon Coating, FCD450+HCP • Working Conditions depending on size and seat ring. Please consult us. • Operation: Lock Lever, Worm Gear, Center Handle, Pneumatic Actuator. 		
SIZE	DN40-DN600		

Model	722F / 720F	700S (700E, 700K)	302Y (METAL SEATED) , 304Y (RPTFE SEATED)
CLASS	Pressure Rating 10bar	Pressure Rating 10bar	Pressure Rating 20 bar
ENDS	DOUBLE FLANGED	WAFER, LUGGED	WAFER, LUGGED
TYPE			
SPECS & REMARKS	Flanges: JIS10K & JIS5K max. W.P.:1.0MP Body: Cast Steel SCPH2 Disc: Stainless Steel SCS13 Seat: NBR, EPDM Operation as per 700G series	JIS 10K & JIS5K JIS LENGTH Body: Cast Iron FC250 Disc: Stainless Steel SCS13 Seat: NBR, EPDM Operation as per 700G series	<ul style="list-style-type: none"> • Body Pattern: Wafer ,Lugged • Flange Standards:ANSI150, PN6/10/16, JIS 5K/10K/16K/20K • Body Materials: Ductile Iron FCD450, Cast steel WCB, 304SS, 316SS • Disc Materials: 304SS, 316SS • Body Seat:304SS,RPTFE • Temperature Rating:-20°Cto+250°C • Operation:Manual, Electric, Pneumatic.
SIZE	DN50 - DN1350 (2" - 54")	DN50-DN600&DN650-DN1350	DN40-DN300

ITEM	846T-847T (LINED)	731P/732P	773Z (Aluminium)
CLASS	Pressure Rating 10bar	Pres. Rating:16bar/20bar	Pressure Rating 10bar
ENDS	WAFER, LUGGED	WAFER, LUGGED	WAFER, LUGGED
TYPE			
SPECS & REMARKS	Body Pat.: Wafer/Lugged Flange Std:ANSI125/150, PN6/10/16, JIS5K/10K Body: Ductile Iron FCD450 Disc:PFA,PFTE, Seat: PFA/PTFE	Body Pat.: Wafer/Lugged Flange Std:ANSI125/150, PN6/10/16, JIS5K/10K Body: FCD450, WCB Disc: 316SS, ALU. Seat: NBR, EPDM	Body Pat.: Wafer Flange std:ANSI150, PN10/16, JIS10K/16K Body:Aluminium Disc:316SS, PPS Seat: NBR, EPDM
SIZE	DN50-DN300	DN50-DN600	DN40-DN300



TM1

TLV Steam Traps & Control Valves

ENERGY CONSERVATION , FLUID CONTROL EQUIPMENT AND INSTRUMENTATION FOR FLUID FLOW MEASUREMENT



COS-SERIES



COSR-SERIES



DR20



MC-COSR & MC-COS series



CV-COSR & CV-COS series

PRESSURE CONTROL VAVE FOR STEAM

MULTI-CONTROL VALVE



A3N



P46SRN



PS6S



HR80A



LA21



VA/VAS



LA13L

THERMODYNAMIC STEAM TRAPS (Disc Type)

AIR VENTS



J3X-J5X



J7.5X



SSJ SERIES



SS-SERIES



FS VSERIES

MECHANICAL STEAM TRAPS-FREE FLOAT STEAM TRAPS



L21-L32



LV-series



LEX3N-TZ

THERMOSTATIC STEAM TRAPS



DC35
SEPARATOR (for STEAM)



DC7



GT & GP SERIES
CONDENSATE RECOVERY

OTHER TLV PRODUCTS

- Control Valves , Controllers ●Safety Valves ●Filters
- Strainers, Sight Glasses, Check Valves
- Vortex Flow Meters
- Air and Drain Traps
- Vacuum Heating Systems
- Steam Compressor
- Maintenance Instruments
- Packaged Systems
- Engineering Software



M4/SM/CM V1/V2
MANIFOLDS

TLV ToolBox Steam system calculations



TLV A Steam Specialist Company

PIPES, FLANGES , FITTINGS

PIPES & TUBES

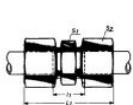


- SEAMLESS CARBON STEEL PIPES according ASTM /ASME/API Standards acc. ANSI/ASME B36.10 & B36.19
Material Specification acc. ASTM A106 GrB (Gr C & Gr A), API 5L Gr B, ASTM A53, ASTM A335 and ASTM A333 in various grades
- SEAMLESS CARBON STEEL PIPES according DIN /EN
Construction acc. DIN EN 10220/DIN EN1026-1 etc. (old DIN 24428, DIN1629/DIN19175, DIN2391, DIN 1630)
Material Specification:
P235TR1 (St37.0), S355J2H (St52-3), P235GH TC1 & TC2 (St35.8/I&III) 16Mo3 (15Mo3), 13CrMo4-5(13CrMo44), X10CrMoVNb9-1
- STAINLESS STEEL PIPES SEAMLESS OR WELDED
Construction acc. ASTM A312, ASTM A778, ASTM A269, DIN 17455, DIN 17456, DIN 17458
Dimensions acc: ANSI B36.19, DIN 2463/EN1127, DIN2391
Material Specification:
SS304/L, SS316/L, 1.4571, 1.4541
- WELDED STEEL PIPES acc.:
DIN 2440, DIN2440, API 5L Gr B

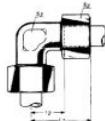
COMPRESSION TUBE FITTINGS

For High Pressure

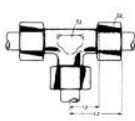
- SPECIFICATION: DIN2353
- MATERIAL: Carbon Steel, 1.4571/316Ti
- PRESSURE RATING: up to 630bar



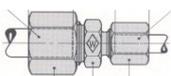
UNION



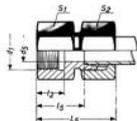
UNION ELBOW



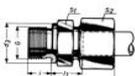
UNION TEE



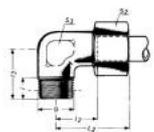
REDUCING UNION



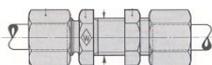
ADJUSTABLE RED.



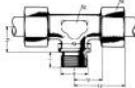
MALE STUD COUPL.



MALE STUD ELBOW



BULKHEAD UNION

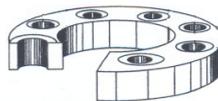


MALE STUD TEE

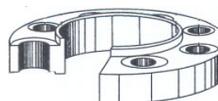
- OTHER FITTINGS:
- Female Conector ● Male Bulkhead Connector
- Female Elbow ● Male Run Tee ● Union Cross

FLANGES

- SPECIFICATION & CLASS: DIN/EN, ANSI, JIS
- MATERIAL: St 37.2, C22, ASTM A181 Gr.I
ASTM A105, SS304/L, SS316/L



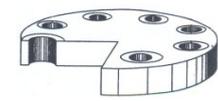
FLAT-SLIP ON FLANGE



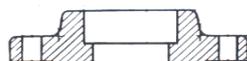
SLIP ON FLANGE



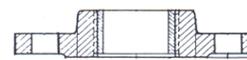
WELDING NECK FLANGE



BLIND FLANGE



SOCKET WELD FLANGE



THREADED FLANGE

ENDS/FACES: RF (Raised Face), FF (Flate Face),RJ or RTJ (Ring Joint)

FITTINGS

Wrought Steel Butt-Welding Fittings

Carbon & Alloy Steel

 90-ELBOW LONG	 45-ELBOW LONG	 180-ELBOW LONG
 90-ELBOW SHORT	 TEE EQUAL	 TEE REDUCING
 CONCETRIC REDUCER	 ECCENTRIC REDUCER	 CAP

Stainless Steel Butt-Welding Fittings

SS316/L & SS304/L

 90-ELBOW LONG	 TEE EQUAL	 45-ELBOW LONG
 180-ELBOW LONG	 CONCETRIC REDUCER	 ECCENTRIC REDUCER
 TEE REDUCING	 LAP JOINT STUB ENDS	 CAP

Forged Steel Fitting Class 3000 & 6000

Threaded & Socket Welding

 90 ELBOW	 45 ELBOW	 STREET ELBOW	 EQUAL TEE	 CROSS
 UNION	 UNION MALE FEMAL	 HEX PLUG	 ROUND HEAD PLUG	 SQUARE HEAD PLUG
 COUPLING	 HALF COUPLING	 REDUCING COUPLING	 PIPE CAP	 REDUCING INSERT
 WELDING BOSSES	 HEX NIPPLE	 REDUCING HEX.NIPPLE	 PIPE NIPPLES	
 CONC. SWAGE NIPPLES	 ECC. SWAGE NIPPLES	 WELDED OUTLET	 SW OUTLET	 THREADED OUTLET

ANSI B16.9

ANSI B16.28

ANSI B36.10

ASTM A 234

ASTM A 381

ASTM A 403

ASTM A 420

ANSI B31.4

ANSI B31.8

ASME B16.11

MSS SP 43

MSS SP 75

MSS SP 97

MSS SP 95

BS 3799

API 5L & 5LX

DIN 1629

DIN 17175

DIN 17100

DIN 17155

SEW 680



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