

WA Intelligent Valve



WA Intelligent Valves

www.wavalve.com



About Us

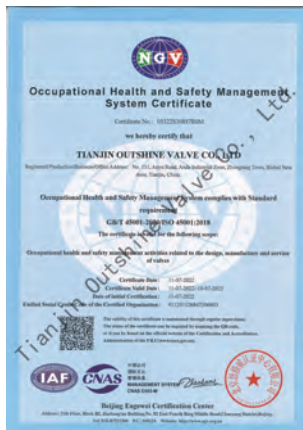
We (WAVValve) are a leading fluid control supplier, now belongs to OutShine Valve Group, serving over 100 large data centers and commercial complexes and luxury hotels.

With years of experience in fluid control applications, WAVValve(Bei-jing) and OutShine Valve have formed a joint venture to form a platform company for intelligent product manufacturing: WAVValve (Tian-jin) Intelligent Manufacturing Co.,Ltd. The new company is dedicated to more energy-efficient fluid control, following the high quality and service, target-oriented, based on the core competencies of on-demand control, electronics, automation and digital arithmetic, incorporating high-quality hardware, intelligent control and related services into a fully integrated low-carbon solution for customers' present and future development.

Providing customers with a commitment to quality and performance has always been the WAVValve first priority, from order to delivery, from design to manufacturing, each WAVValve products to achieve excellence. Our mission is to be more energy efficient and smarter, and to deliver reliable and trustworthy products with the goal of "Digitize, Intelligent and Low-carbon".

Looking to the future, WAVValve will "Continue to research and development, benefit the environment, adhere to the quality, seamless service", with continuous improvement, product digitization, intelligence to meet the challenges of the future.

Enterprise Honor



GB/T 45001/ ISO45001



GB/T 9001/ ISO9001



GB/T 24001/ ISO14001

System Certification



PED



UKCA



ROHS



PED

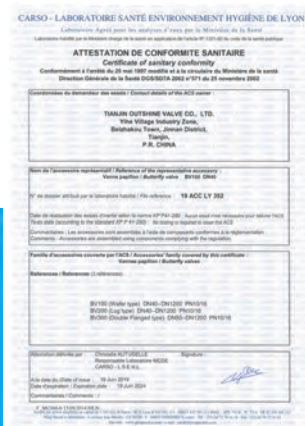


CRN



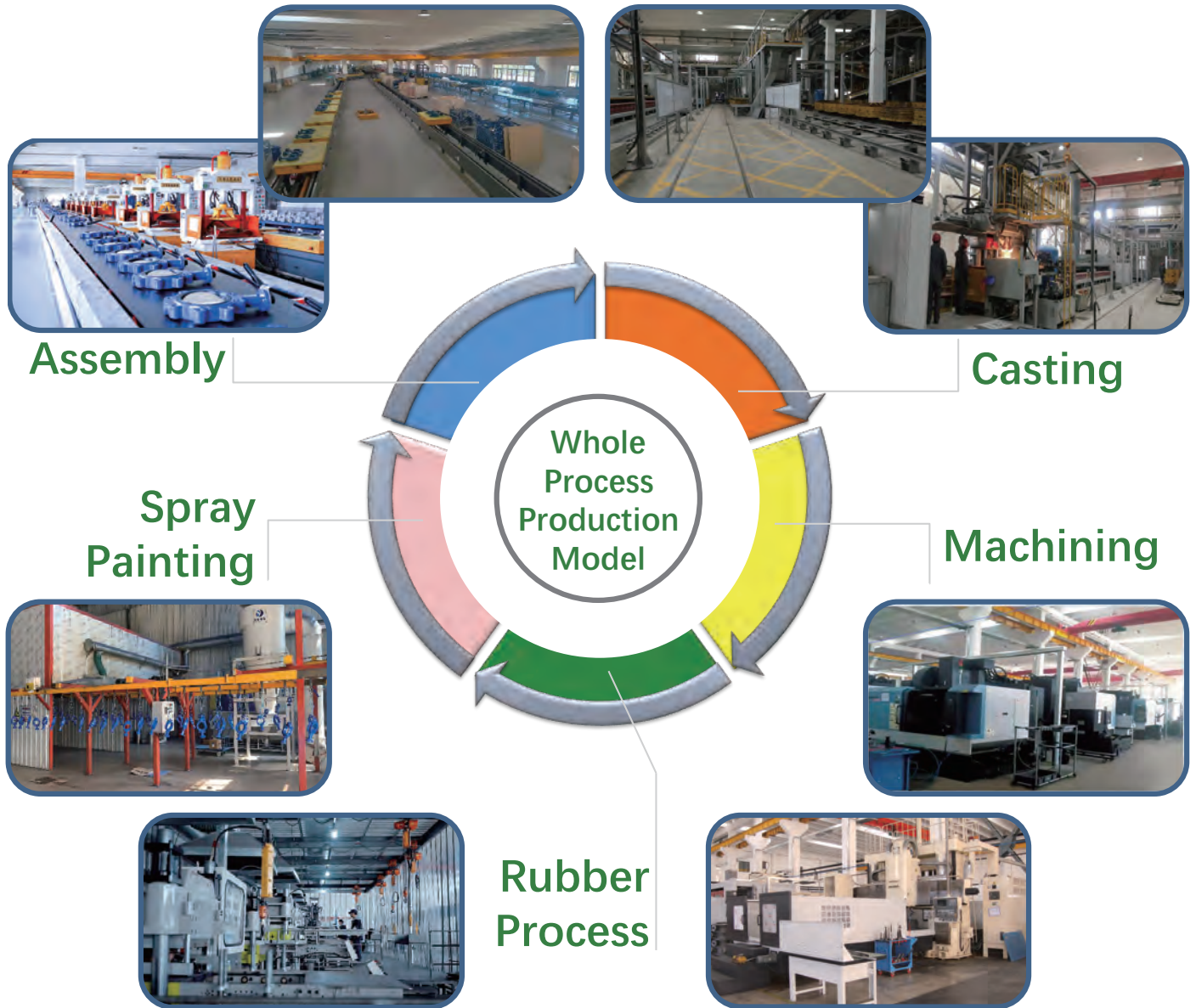
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Other Certification

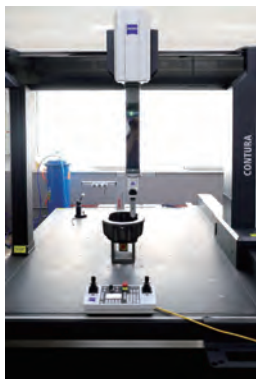


ACS

Production Mode



Test Equipment





PRODUCT



IDC

HVAC

Energy

Chemical



Water Treatment

Water Services

Desalination

Energy Monitoring Valves and Balance Motorized Valves

Energy Monitoring Valves Fig.8421+GMFP



Connection conforms to ISO228
 Work Pressure: PN25
 Dimensions: DN15-DN40
 Working Temperature: -10°C~120°C
 Differential pressure range: 35(40)-320KPa
 Differential working pressure: ≤ 700 Kpa
 Accurate: $\pm 5\%$
 Body: DZR Brass
 Bonnet: DZR Brass
 Shaft: Stainless Steel
 Disc: DZR Brass
 Measuring valve: HPb59-1

Actuator: GMFP16
 Operating Voltage: AC/DC 24V
 Power: 10VA
 Torque: 10N.m
 Control signal: Modbus control
 Analog control
 Control function: Opening control,
 Temperature (ΔP) control
 Protection Grade: IP54

Energy Monitoring Valves Fig.8431+GMFP



Connection conforms to ISO7005
 Work Pressure: PN16 / PN25
 Dimensions: DN50-DN200
 Working Temperature: -10°C~120°C
 Differential pressure range: 35- 400Kpa
 Differential working pressure: ≤ 700 Kpa
 Accurate: $\pm 5\%$
 Body: GJS 450-10
 Bonnet: GJS 450-10
 Shaft: SS 410
 Disc: SS 304
 Measuring valve: HPb59-1

Actuator: GMFP16
 Operating Voltage: AC/DC 24V
 Power: 10VA
 Torque: 10N.m
 Control signal: Modbus control
 Analog control
 Control function: Opening control,
 Temperature (ΔP) control
 Protection Grade: IP54

PICV Fig.8421+GSM



Connection conforms to ISO228
 Work Pressure: PN25
 Dimensions: DN15-DN40
 Working Temperature: -10°C~120°C
 Differential pressure range: 35(40)-320KPa
 Differential working pressure: ≤ 700 Kpa
 Accurate: $\pm 5\%$
 Body: DZR Brass
 Bonnet: DZR Brass
 Shaft: Stainless Steel
 Disc: DZR Brass
 Measuring valve: HPb59-1

Actuator: TM03
 Operating Voltage: AC/DC 24V
 Power: 10VA
 Torque: 10N.m
 Control signal: 2 -10V / 4-20mA
 Output signal: 2 -10V / 4-20mA
 protection grade: IP44

PICV Fig.8431+GMF



Connection conforms to ISO7005
 Work Pressure: PN16 / PN25
 Dimensions: DN50-DN200
 Working Temperature: -10°C~120°C
 Differential pressure range: 35- 400Kpa
 Differential working pressure: ≤ 700 Kpa
 Accurate: $\pm 5\%$
 Body: DI GJS 450-10
 Bonnet: DI GJS 450-10
 Shaft: SS 410
 Disc: SS 304
 Measuring valve: HPb59-1

Actuator: TM04
 Operating Voltage: AC/DC 24V
 Power: 10VA
 Torque: 10N.m
 Control signal: 2 -10V / 4-20mA
 Output signal: 2 -10V / 4-20mA
 protection grade: IP44

Balance Valves

DRV

Fig.8211



Design conforms to BS7350,BS21,ISO7
Work Pressure: PN25
Dimensions: DN15-DN50
Working Temperature: -10°C~120°C
Body: BSE12165 CW602N
Bonnet: BSE12165 CW602N
Shaft: BSE12165 CW602N
Disc: BSE12165 CW602N
Handwheel: Plastic

DRV

Fig.8220/25



Design conforms to BS 7350
Work Pressure: PN16 / PN25
Dimensions: DN65-DN600
Working Temperature: -10°C~120°C
Body: EN-JS 1040
A351 CF8
Bonnet: EN-JS 1040
A351 CF8
Shaft: BS970 410 S21
BS970 431S29
AISI 304
Disc: EN-JS1040 cover EPDM
AISI 304
Lock nut: EN 12165 CW617N
Handwheel: ABS
Measuring valve: EN 12165 CW6020N
AISI 304



DPCV

Fig.8311



Connection conforms to EN10226
Work Pressure: PN25
Dimensions: DN15-DN32
Working Temperature: -10°C~120°C
Differential pressure range:
5-30Kpa / 20-60KPa /
20-80KPa
Differential working pressure: 450KPa
Accurate: $\pm 5\%$
Body: DZR Brass
Bonnet: DZR Brass
Shaft: SS 410
Disc: DZR Brass
Diaphragm: Hydrogenated NBR
Spring: Stainless Steel
Measuring valve: HPb59-1

DPCV

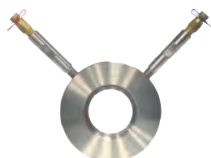
Fig.8320



Connection conforms to ISO7005
Work Pressure: PN16 / PN25
Dimensions: DN40-DN250
Working Temperature: -10°C~120°C
Differential pressure range: 30-100Kpa
40-160KPa
Differential working pressure: 350KPa
Accurate: $\pm 5\%$
Body: GJS 450-10
Bonnet: GJS 450-10
Shaft: SS 410
Disc: SS 304
Diaphragm: EPDM rubber buried fiber
Spring: Stainless Steel
Handwheel: ABS/Die Casting Aluminum
Measuring valve: HPb59-1

Orifice Plate

Fig.8100



Connection conforms to BS 7350
Work Pressure: PN10 / PN16 / PN25
Dimensions: DN65-DN1200
Working Temperature: -10°C~120°C
Accurate: $\pm 3\%$
Body: Stainless Steel
Extension poles: Stainless Steel
Measuring valve: EN12165 CW603N

Balance Valves

PICV

Fig.8510/11-GSM



Connection conforms to ISO228
 Work Pressure: PN16
 Dimensions: DN20-DN32
 Working Temperature: 5°C~100°C
 Differential pressure range: 30-400KPa
 Accurate: $\pm 5\%$
 Body: CW617N
 Bonnet: CW617N
 Shaft: Stainless Steel SS304
 Disc: CW617N
 Measuring valve: HPb59-1
 Actuator: GSM24/GSM220
 Operating Voltage: AC 24 V / 220V
 Torque: 200N
 Control signal: 0~10V / ON-OFF
 Output signal: 0~10V (by model)
 protection grade: IP54

PICV

Fig.8510/11-GST



Connection conforms to ISO228
 Work Pressure: PN16
 Dimensions: DN20-DN32
 Working Temperature: 5°C~100°C
 Differential pressure range: 30-400KPa
 Accurate: $\pm 5\%$
 Body: CW617N
 Bonnet: CW617N
 Shaft: SS304
 Disc: CW617N
 Measuring valve: HPb59-1
 Actuator: GST220/GST24
 Operating Voltage: AC 220V / 24V
 Torque: 90~125N
 Control signal: ON-OFF
 protection grade: IP54

Unit Valve Fig. 4520+GIH18



Connection conforms to GB/T9119
 Work Pressure: PN16
 Dimensions: DN40-DN200
 Working Temperature: -5°C~120°C
 Differential working pressure: ≤ 600 Kpa
 Body: GJS 450-10
 Shaft: SS 304
 Disc: SS 304
 Measuring seat: SS 304
 Operating Voltage: Battery/DC24V
 Timing Accurate: 1S/24H
 Adjustment Range: 0~100%
 Communication method: NB-IoT
 Control Ratio: 100:1
 Display Mode: LCD
 Protection Grade: IP65/IP68 Optional
 Ambient Temperature: -25°C~75°C
 Ambient Humidity: $\leq 95\%$ RH

IoT Valve Fig.4541+GIH19



Connection conforms to ISO7005
 Work Pressure: PN16
 Dimensions: DN20-DN40
 Working Temperature: 0°C~95°C
 Differential Pressure range: 30-420Kpa
 Accurate: $\pm 5\%$
 Body: Pb59-1
 Ball: SS304
 Shaft: SS304
 Seal: PTFE
 Measurement Seat: SS304
 Operating Voltage: 3.6V Lithium Battery
 DC12~24V
 Power: ≤ 1 W
 protection grade: IP65
 Torque: 4N.m/7N.m
 Control type: opening control
 Adjustment Range: 0~100%,Resolution 1%
 Communication method:M-Bus/NB
 Temperature Sensor Accurate: $\pm 0.1^\circ\text{C}$
 (30°C-45°C)

Control Valves & Special Butterfly Valves

Electric Control Valve Fig.6151+GS***



Single Seat Regulating Valve:
Fig.6151
Balancing Core Regulating valves:
Fig.6152
Three-way Control Valve:
Fig.6171

Connection conforms to EN558 /ISO7005
Work Pressure: PN16
Dimensions: DN25~DN250
Working Temperature: -20°C~220°C
Body: DN25-DN100: HT250
DN125-DN250: QT400-18
Shaft: SS 410 A276 S420
Disc: B124 C38800 (DN25)
A351 CF8
Actuator: Component (Electric Actuator)

Pneumatic Control Valve Fig.6153/54+NF



Single Seat Regulating Valves:
Fig.6153
Balanced Cage Control Valves:
Fig.6154

Design conforms to MSS SP-85
Work Pressure: PN16/25/40
Dimensions: DN15~DN200 single-seat
DN65~DN200 Balancing Core
Working Temperature: -20°C~230°C
High Temperature Type: 230~500°C
Body: A216 WCB
A351 CF8 / CF8M
A217 WC6 / WC9
A536 65-45-12
Shaft: SS 420 A276 S420
Disc: A351 CF8 / CF8M
Actuator: Components
(multi-spring thin-film actuators)

Anti-dew butterfly valve Fig.2339



Design conforms to EN 593/API 609
Work Pressure: PN10/PN16
Dimensions: DN40-DN300
(Aluminum Body)
DN300-DN1200
Working Temperature: -20°C~120°C EPDM
-15°C~80°C NBR
Body: Aluminum
A536 65-45-12
Disc: A351 CF8/CF8M
A240 S32205
A240 S32507
Stem: Stainless Steel A276 S41600
Pin: Stainless Steel A276 S31600
Seat: EPDM, NBR

Fluorine lined butterfly valve Fig.2130/2140



Design conforms to EN 593/API 609
Work Pressure: PN10
Dimensions: DN50-DN600
Working Temperature: -20°C~170°C
Body: A536 65-45-12
A216 WAB
A351 CF8M/CF8
Disc: A216 WCB+PTFE
A351 CF8M+PTFE
A351 CF8/CF8M
Stem: Stainless Steel A276 S316/410
Seat: PTFE

Fluorine lined butterfly valve Fig.2120



Design conforms to EN 593/API 609
MSS SP-67
Work Pressure: PN10
Dimensions: DN50-DN600
Working Temperature: -20°C~170°C
Body: A536 65-45-12
A216 WAB
A351 CF8M/CF8
Disc: A216 WCB+PTFE
A351 CF8M+PTFE
A351 CF8/CF8M
Stem: A276 S316/410
Seat: PTFE

High Temperature Low Load Butterfly Valve Fig.2116



Design conforms to EN 593/BS 5155/ISO 5752
Work Pressure: CL 150 / 300 / 600
Dimensions: DN80~DN2000
Working Temperature: -40°C~250°C
-50°C~1100°C(customizable)
Body: Q235, Alloy steel, SS 304, SS316
Disc: Q235, SS 304, SS316
Stem: A276 S420 00
Drive: Pneumatic, Electric, etc.

Pneumatic/Electrical Actuators

Ball Valve Actuator

Fig.GIA...



Connection type: Threaded
Shell material: Engineering plastics
Environment Temperature: -25°C~60°C
Operating Voltage: 220V/24V
Output Torque: 10 N·m
Control signal: 0(2)~10V / On-Off
Protection Grade: IP54

FCU Zone Valve Fig.8920/30



8920



8930

Fig.8920 Two-Wire/ Fig.8930 Three-Wire
Dimensions: DN15-25
Working Temperature: 5-90°C
Body: Forged brass
Operating Voltage: AC220V 50Hz
Power: 6.5W

Electric Actuator

Fig.GSM...



Connection type: Threaded
Shell material: Engineering plastics
Environment Temperature: -25°C~60°C
Operating Voltage: 220V/24V
Output Torque: 90~125N
Control signal: 0(2)~10V / On-Off
Protection Grade: IP54

Electrothermal Actuator

Fig.GST...



Connection type: Threaded
Shell material: Engineering plastics
Environment Temperature: -25°C~60°C
Operating Voltage: 220V/24V
Output Torque: 90~125N
Control signal: On-Off
Protection Grade: IP54

Quarter Turn Electric Actuator

Fig.GIE...



Connection conforms to ISO5211
Shell : Aluminum Alloy Coated with Epoxy Polyester
Environment Temperature: -10°C~70°C
Operating Voltage: AC24V/220V/ 380V
Control signal: On-Off / 0(2)~10V / 4~20mA
(Failure to keep your seat is optional)
protection grade: IP67 / IP68 / IP66
Output Torque: 35 N·m ~ 13000 N·m

Intelligent Quarter Turn Electric Actuator Fig.GIE...



Material: same as left
Display: LED indicator or LCD screen
On-site control: On-site-Remote/On-Stop-Off
Infrared remote control: (optional)
Communication protocol: Modbus etc. (optional)
Power failure reset: failure reset (optional)
Explosion-proof grade: Exd II B/C T4~T6Gb (optional)

Quarter Turn Electric Actuator

Fig.GIT...



Connection conforms to ISO5211
Shell : Aluminum Alloy
Environment Temperature: -25°C~60°C
Operating Voltage: 220V
Output Torque: 50 N·m ~ 2500 N·m
Control signal: 0(2)~10V / 4~20mA / On-Off
protection grade: IP67, IP68(Optional)
Adapt Butterfly Valve: DN50~DN600

Pneumatic Actuator

Fig.NS/NR****



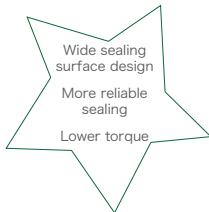
Rack type:
Fig.NR**
Fork type:
Fig.NS**

Connection conforms to ISO5211
Working Temperature: -20°C~80°C (NBR)
-15°C~150°C (Viton)
Air Supply Pressure: 2.0 ~ 8.0 bar
Stroke Adjustment: 0° / 90° ±5°
Output Torque: 8.0 N·m ~ 4679 N·m
Shell: Aluminum alloy 6005-T5
Cap: Die cast aluminum alloy ADC12
Piston: Die cast aluminum alloy 1101A
Spring: SS304
Indicator: ABS

Centerline Butterfly Valves

Centerline Wafer Type
Butterfly Valve

Fig.2332



Design conforms to EN 593/API 609
Work Pressure: PN16/PN25
Dimensions: DN40-DN600
Working Temperature: -20°C~120°C
Body: A126 CLASS B
A536 65-45-12
Disc: A351 CF8/CF8M
B148 95400
A536 65-45-12
(Nickel Plated, Epoxy Resin, Nylon Coated)
Stem: A276 S31600/
S41000/S43100
Seat: EPDM, NBR, HT EPDM
VITON, PTFE, SILICONE
HYPALON

Centerline Lug Type
Butterfly Valve

Fig.2342



Design conforms to EN 593/API 609
EN 593/API 609
Work Pressure: PN16/PN25
Dimensions: DN40-DN600
Working Temperature: -20°C~120°C
Body: A126 CLASS B
A536 65-45-12
Disc: A351 CF8/CF8M
B148 95400
A536 65-45-12
(Nickel Plated, Epoxy Resin, Nylon Coated)
Stem: A276 S31600/
S41000/S43100
Seat: EPDM, NBR, HT EPDM
VITON, PTFE, SILICONE
HYPALON

Centerline U Type
Butterfly Valve

Fig.2312



Design conforms to EN 593/API 609
EN 593/API 609/MSS SP-67
Work Pressure: PN16/PN25
Dimensions: DN150-DN1200
Working Temperature: -20°C~120°C
Body: EN-JS 1050
Disc: BS970 304 C 15/316 C 16
EN1982 CC491K
EN-JS 1050
(Nickel Plated, Epoxy Resin, Nylon Coated)
Stem: BS970 410 S 21/431 S 29
Pin: BS970 304 C 15/316 C 16
Seat: EPDM, NBR

Centerline Double Flange
Butterfly Valve

Fig.2324



Design conforms to EN 593/API 609
EN 593/BS 5155/ISO 5752
Work Pressure: PN16/PN25
Dimensions: DN50-DN1200(PN16)
DN50-DN600 (PN25)
Working Temperature: -20°C~120°C
Body: EN-JS 1050
Disc: BS970 304 C 15/316 C 16
EN1982 CC491K
EN-JS 1050
(Nickel Plated, Epoxy Resin, Nylon Coated)
Stem: BS970 410 S 21
Pin: BS970 304 C 15/316 C 16
Seat: EPDM, NBR

Eccentric Butterfly Valves

Double Eccentric Butterfly Valves Fig.2654



Design conforms to EN 593/API 609
 EN 593/API 609
 Work Pressure: PN16/PN25
 Dimensions: DN100-DN2000
 Working Temperature: -20°C-120°C
 Body: EN-JS 1050
 Disc: EN-JS 1050
 (Nickel, Chrome, Epoxy, Nylon, Halar Coated)
 Stem: BS970 431 S 29
 Seat: BS970 304 S 15
 Seal: EPDM

High Performance Butterfly Valve Fig.2620



Design conforms to EN 593/API 609
 ASME B16.34/API 609
 Work Pressure: PN16/PN25
 Dimensions: DN50-DN1200
 Working Temperature: -50°C-600°C
 Body: ASTM A216 WCB
 A351 CF8
 Disc: A351 CF8
 A351 CF8M
 Stem: A276 S410
 A276 S431
 Seal: PTFE / RPTFE/ A351 CF8M

Triple Eccentric Butterfly Valve Fig.2935



Design conforms to EN 593/API 609
 API 609/ASME B16.10
 Work Pressure: CL150/CL300/
 CL600/CL900
 Dimensions: DN80-DN3000
 Connection: Wafer,Lug,Double Flange
 Working Temperature: -254°C-815°C
 Body: ASTM A216 WCB
 ASTM A351CF8M
 ASTM A217 WC6
 Disc: ASTM A216 WCB
 ASTM A351 CF8M
 ASTM A217 WC6
 Stem: ASTM A564 S17400
 (17-4PH)
 Seat: ASTM A182 F304/F316
 Graphite+SS304

Triple Eccentric Welded Butterfly Valve Fig.2985



Design conforms to EN 593/API 609
 API 609/ASME B16.10
 Work Pressure: CL150/CL300/
 CL600/CL900
 Dimensions: DN80-DN3000
 Connection: Welding
 Working Temperature: -254°C-815°C
 Body: ASTM A216 WCB
 ASTM A351CF8M
 ASTM A217 WC6
 Disc: ASTM A216 WCB
 ASTM A351 CF8M
 ASTM A217 WC6
 Stem: ASTM A564 S17400
 (17-4PH)
 Seat: ASTM A182 F304/F316
 Graphite+SS304

Hydraulic Control Valves

Remote Control
Float Valve Fig.A100



Design conforms to EN 593/API 609
EN1074/BS1567/EN12266-1
Work Pressure: PN16
Working Temperature: -10°C~90°C
Dimensions: DN50-DN300
(Other specifications, please contact)
Main Valve: Ductile Iron
Shaft: Stainless Steel
Diaphragm: Reinforced NBR
Control Valve: Brass,Stainless Steel
Throttle Valve: Brass,Stainless Steel
Float Valve: Brass,Stainless Steel

Pressure Reducing
Valve Fig.A200



Design conforms to EN 593/API 609
EN1074/BS1567/EN12266-1
Work Pressure: PN16
Working Temperature: -10°C~90°C
Dimensions: DN50-DN300
(Other specifications, please contact)
Main Valve: Ductile Iron
Shaft: Stainless Steel
Diaphragm: Reinforced NBR
Control Valve: Brass,Stainless Steel
Throttle Valve: Brass,Stainless Steel
Pressure-reducing pilot valve:Stainless Steel

Slow Close
Check Valve Fig.A300



Design conforms to EN 593/API 609
EN1074/BS1567/EN12266-1
Work Pressure: PN16
Working Temperature: -10°C~90°C
Dimensions: DN50-DN300
(Other specifications, please contact)
Main Valve: Ductile Iron
Shaft: Stainless Steel
Diaphragm: Reinforced NBR
Control Valve: Brass,Stainless Steel
Throttle Valve: Brass,Stainless Steel
Valve Components: Stainless Steel

Pressure Relief/
Back Pressure Valve Fig.A500



Design conforms to EN 593/API 609
EN1074/BS1567/EN12266-1
Work Pressure: PN16
Working Temperature: -10°C~90°C
Dimensions: DN50-DN300
(Other specifications, please contact)
Main Valve: Ductile Iron
Shaft: Stainless Steel
Diaphragm: Reinforced NBR
Control Valve: Brass,Stainless Steel
Throttle Valve: Brass,Stainless Steel
Pressure Relief Valve: Stainless Steel

Differential Pressure
Bypass Valve Fig.A800



Design conforms to EN 593/API 609
EN1074/BS1567/EN12266-1
Work Pressure: PN16
Working Temperature: -10°C~90°C
Dimensions: DN50-DN300
(Other specifications, please contact)
Main Valve: Ductile Iron
Shaft: Stainless Steel
Diaphragm: Reinforced NBR
Control Valve: Brass,Stainless Steel
Throttle Valve: Brass,Stainless Steel
Differential Pressure Pilot Valve:
Stainless Steel

Solenoid Control
Valve Fig.A600



Design conforms to EN 593/API 609
EN1074/BS1567/EN12266-1
Work Pressure: PN16
Working Temperature: -10°C~90°C
Dimensions: DN50-DN300
(Other specifications, please contact)
Main Valve: Ductile Iron
Shaft: Stainless Steel
Diaphragm: Reinforced NBR
Control Valve: Brass,Stainless Steel
Throttle Valve: Brass,Stainless Steel
Electromagnetic Valve: Brass,Stainless Steel

Liquid Cooling System Products

Two-piece Welded Butterfly Valve Fig.2425



Work Pressure: 10bar
 Dimensions: ISO/SMS/3A: 1 ~4
 DIN: DN20-DN150
 (Other specifications, please contact)
 Body: SUS304、SUS316L
 Disc: SUS304、SUS316L
 Shaft: SUS304
 Seat: VMQ、FPM、EPDM
 Handle: AISI 304

Two-piece Clamp Butterfly Valve Fig.2427



Work Pressure: 10bar
 Dimensions: ISO/SMS/3A: 1 ~4
 DIN: DN20-DN150
 (其它规格可订制)
 Body: SUS304、SUS316L
 Disc: SUS304、SUS316L
 Shaft: SUS304
 Seat: VMQ、FPM、EPDM
 Handle: AISI 304

Three-piece Eeldd Butterfly Valve Fig.2435



Work Pressure: 10bar
 Dimensions: ISO/SMS/3A: 1 ~4
 DIN: DN20-DN150
 (其它规格可订制)
 Body: SUS304、SUS316L
 Disc: SUS304、SUS316L
 Shaft: SUS304
 Seat: VMQ、FPM、EPDM
 Handle: AISI 304

Motorized Ball Valve Fig.4215M+GIB**



Work Pressure: 10bar/16bar
 Dimensions: ISO/SMS/3A: 1 ~4
 DIN: DN20-DN150
 Body: AISI 304、AISI 316
 Ball: AISI 304、AISI 316
 Shaft: SUS304
 Seat: PTFE
 Actuator: Assemblies

Interlocking Quick Release Couplings Fig.Q800



Connection conforms to OCP / ISO18869
 Work Pressure: PN10
 Dimensions: DN20-DN50
 Body: AISI 304
 Ball: AISI 304
 Handle: AISI 304
 Seat: PTFE(standard)
 Seal: EPDM(standard)

Non-leakage Quick-Change Couplings Fig.UQD**



Connection conforms to OCP / ISO18869
 Work Pressure: PN5/PN7/PN20 (Based on caliber)
 Dimensions: 2.8mm(1/8") ~8.9mm (1/2")
 Body: SS304/Hard Oxide Aluminum Alloy
 Card Loop: SS304/Hard Oxide Aluminum Alloy
 Seal: EPDM(standard)

Mini Ball Valve/ Quick Plug Fig.**



Work Pressure: PN10
 Dimensions: 8.9mm(1/2")
 Body: AISI 304
 Ball: AISI 304
 Seal: FTPE(standard)
 O-Ring: EPDM(standard)
 Quick Plug: SS304/Engineering Plastics

Sanitary Fittings / Clamp Fittings Fig.**



Stainless Steel Valves

One-piece
Ball Valve

Fig.4115



Design conforms to ANSI B2.1
API598
Work Pressure: 1000 Psi WOG
Dimensions: DN6-DN50
Body: ASTM A351 CF8/CF8M
嵌片: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

Two-piece
Ball Valve

Fig.4215



Design conforms to ANSI B2.1
API598
Work Pressure: 1000 Psi WOG
Dimensions: DN6-DN100
Body: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

Three-piece
Ball Valve

Fig.4355/75



Design conforms to ANSI B2.1
API598
Work Pressure: 1000 Psi WOG
Dimensions: DN6-DN100
Body: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

One-piece Flange
Ball Valve

Fig.4125



Design conforms to ANSI B16.5
API598
Work Pressure: CLASS 150
Dimensions: DN15-DN300
Body: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

Two-piece Flange
Ball Valve

Fig.4225



Design conforms to ANSI B16.5
API598
Work Pressure: CLASS 150
Dimensions: DN15-DN100
Body: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

Three-piece Flange
Ball Valve

Fig.4335



Design conforms to ANSI B16.5
API598
Work Pressure: CLASS 150
Dimensions: DN15-DN300
Body: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

High Platform
Flanged Ball Valve

Fig.4215M



Design conforms to ANSI B16.5
API598
Work Pressure: CLASS 150
Dimensions: DN15-DN300
Body: ASTM A351 CF8/CF8M
Disc: ASTM A351 CF8/CF8M
Shaft: AISI 316
Seat: PTFE(standard)
Handle: AISI 304

Direct-Acting Pressure
Reducing Valve

Fig.A205



Design conforms to ASSE 3001 /
EN1567
Work Pressure: PN16/PN25
Working Temperature: 0°C-80°C
Dimensions: DN10-DN50
Body: Stainless Steel AISI 304
Shaft: Stainless Steel AISI 304
Disc: Stainless Steel AISI 3047
Diaphragm: EPDM+Nylon

Copper Valves

**Bronze NRS
Gate Valve**

Fig.5312



Design conforms to MSS SP-80
Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN100
Body: B62 C83600
Bonnet: B62 C83600
Disc: B62 C83600
Shaft: B124 C38800
Nuts: B124 C38800
Handwheel: A48 No.35

**Bronze OS&Y
Gate Valve**

Fig.5313



Design conforms to MSS SP-80
Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN100
Body: B62 C83600
Bonnet: B62 C83600
Disc: B124 C38800
Pins: B124 C38800
Nuts: B124 C38800
Handwheel: A48 No.35

Bronze Ball Valve

Fig.4212



Design conforms to MSS SP-110
Work Pressure: 600 Psi WOG 150 Psi WSP
Dimensions: DN15-DN100
Body: B62 C83600
Disc: Chrome Plated B124 C38800
Shaft: Chrome Plated B124 C38800
Seat: PTFE
Handle: Chrome Plated A709 36

Bronze Globe Valve

Fig.5612



Design conforms to MSS SP-80
Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN100
Body: B62 C83600
Bonnet: B62 C83600
Disc: B62 C83600
Shaft: B124 C38800
Nuts: B124 C38800
Handwheel: A48 No.35

Bronze Filter

Fig.7212



Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN80
Body: B62 C83600
Bonnet: B62 C83600
Filter: SS 304 A240 304
Plugs: B124 C38800

**Bronze Axial
Check Valve**

Fig.6312



Design conforms to MSS SP-80
Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN50
Body: B62 C83600
Bonnet: B62 C83600
Disc: B62 C83600
Spring: SS 304 A313 304

**Bronze Swing
Check Valve**

Fig.6412



Design conforms to MSS SP-80
Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN100
Body: B62 C83600
Bonnet: B62 C83600
Disc: B124 C38800
Pins: B124 C38800

Bronze foot valve

Fig.6313



Design conforms to MSS SP-80
Work Pressure: 300 Psi WOG 150 Psi WSP
Dimensions: DN15-DN50
Body: B62 C83600
Bonnet: B62 C83600
Disc: B62 C83600
Filter: SS 304 A240 304
Spring: SS 304 A313 304

Copper Valves

Bronze Pressure Reducing Valve Fig.A209



Connection conforms to BS21 (ISO7)
Work Pressure: PN20
Working Temperature: -10°C~70°C
Dimensions: DN15~DN100
Body: CC491K
Seat: CC491K
Disc: CC491K
Spring: 65Mn
Diaphragm: EPDM+Fiber

Brass Ball Valve Fig.4211



Work Pressure: 600 Psi WOG 150 Psi WSP
Dimensions: DN15~DN100
Body: B124 C38800
Disc: B124 C38800
Shaft: B124 C38800
Seat: PTFE
Handle: Chrome Plated A709 36

Brass NRS Gate Valve Fig.5311



Work Pressure: 200 Psi WOG 125 Psi WSP
Dimensions: DN15~DN100
Body: B124 C38800
Bonnet: B124 C38800
Disc: B124 C38800
Shaft: B124 C38800
Nuts: B124 C38800
Handwheel: A48 No.35

Brass Flange Gate Valve Fig.5321



Work Pressure: 200 Psi WOG 125 Psi WSP
Dimensions: DN15~DN100
Body: B124 C38800
Bonnet: B124 C38800
Disc: B124 C38800
Shaft: B124 C38800
Nuts: B124 C38800
Handwheel: A48 No.35

Brass Filter Fig.7211



Work Pressure: 200 Psi WOG 125 Psi WSP
Dimensions: DN15~DN100
Body: B124 C38800
Bonnet: B124 C38800
Disc: SS 304 A240 304

Brass Axial Check Valve Fig.6311



Work Pressure: 200 Psi WOG 125 Psi WSP
Dimensions: DN15~DN100
Body: B124 C38800
Bonnet: B124 C38800
Disc: B124 C38800
Spring: SS 304 A313 304

Brass Globe Valve Fig.5611



Work Pressure: 200 Psi WOG 125Psi WSP
Dimensions: DN15~DN50
Body: B124 C38800
Bonnet: B124 C38800
Disc: B124 C38800
Shaft: B124 C38800
Nuts: B124 C38800
Handwheel: A48 No.35

Brass Air Vent Valve Fig.7911



Work Pressure: 300 Psi WOG 150Psi WSP
Dimensions: DN15~DN25
Body: B124 C38800
Bonnet: B124 C38800
Disc: B124 C38800
Shaft: B124 C38800
Float: Polyethylene fiber

Check Valves

Wafer Type Dual Plate Check Valve Fig.6230



Design conforms to EN558-1
 Work Pressure: PN16 / PN25
 Dimensions: DN40-DN2000
 Working Temperature: -20°C~110°C
 -10°C~80°C NBR
 Body: A126 CLASS B
 A536 65-45-12,
 A351 CF-8
 A351 CF-8M,
 A216 WCB
 Disc: A536 65-45-12,
 B584 C95400,
 A351 CF-8,
 A351 CF-8M
 Shaft: AISI 316
 Seat: EPDM / NBR
 Spring: AISI 316, AISI 304

Swing Check Valve Fig.6420



Design conforms to BS 5153 / MSS SP-71
 Work Pressure: PN16
 Dimensions: DN50-DN600
 Working Temperature: -10°C~120°C
 Body: A126 CLASS B
 Disc: A126 CLASS B
 Seat: B62 C83600
 Disc Ring: B62 C83600

Wafer Type Silencing Check Valve Fig.6330



Design conforms to MSS SP-125
 Work Pressure: PN10 / PN16
 Dimensions: DN50-DN300
 Working Temperature: -20°C~110°C
 -10°C~80°C NBR
 Body: A126 CLASS B
 A536 65-45-12
 Disc: B62 C83600
 A351 CF-8
 Seat: B62 C83600
 A276 S30400
 密封: EPDM / NBR
 Spring: Stainless Steel A276 S30400

Flanged Type Silencing Check Valve Fig.6320



Design conforms to BS 4504, MSS SP-125
 Work Pressure: PN10, PN16, PN25
 Dimensions: DN50-DN600
 Working Temperature: -20°C~110°C
 -10°C~80°C NBR
 Body: A126 CLASS B
 A536 65-45-12
 Disc: A536 65-45-12
 B62 C83600
 A351 CF-8
 A351 CF-8M
 Seat: A536 65-45-12
 B62 C83600
 A276 S30400
 A276 S31600
 Shaft: B16 C36000
 A276 S41000
 A276 S43100
 Seal: EPDM / NBR
 Spring: A276 S30400
 A276 S31600

Rubber Disc Check Valve Fig.6520



Design conforms to AWWAC 508 / EN558 10
 Work Pressure: PN16
 Dimensions: DN50-DN600
 Working Temperature: -10°C~110°C
 -10°C~80°C NBR
 Body: DI A536 Gr.65-45-12
 Bonnet: DI A536 Gr.65-45-12
 Disc: A536 Gr.65-45-12 covered EPDM/NBR
 Gaskets: EPDM
 Plugs: A536 Gr.65-45-12

Check Valves, Strainers, Foot Valves

Y-Strainer

Fig.7220/21



Design conforms to BS 4504
 Work Pressure: PN16/PN25
 Dimensions: DN50-DN400
 Working Temperature:
 EPDM: -20°C~110°C
 Graphite: -20°C~220°C
 Body: 1563 EN-GJS-400
 Bonnet: 1563 EN-GJS-400
 Screen: A276 S30400
 Gasket: Graphite / EPDM
 Plugs: 10088 X5CrNi18-10
 Screen Mesh: DN50-DN150:1.5mm
 DN200-DN350:2.5mm
 DN400:3.5mm

Basket Strainer

Fig.7320



Design conforms to BS 4504
 Work Pressure: PN16 / PN25
 Dimensions: DN50-DN700
 Working Temperature: -20°C~110°C
 Body: A126 CLASS B
 A536 65-45-12
 Bonnet: A536 65-45-12
 Screen: A276 S30400
 Gasket: Graphite / EPDM
 Plugs: Carbon Steel
 Screen Mesh: DN50-DN80:1 .5mm
 DN100-DN400: 3.0mm
 DN450-DN600: 5.0mm

Foot Valve

Fig.6370



Work Pressure: PN16 / PN25
 Dimensions: DN50-DN600
 Working Temperature:
 -20°C~110°C EPDM
 -10°C~80°C NBR
 Body: A126 Class B
 A536 65-45-12
 Disc: A351 CF-8
 B62 C83600
 A536 65-45-12
 Bushings: B62 C83600
 Screen: AISI 304
 Spring: AISI 304

Ball Check Valve

Fig.6620



Design conforms to EN558-1 / MSS SP-125
 Work Pressure: PN10 / PN16
 Dimensions: DN50-DN350
 Working Temperature:
 -20°C~110°C EPDM
 -10°C~80°C NBR
 Body: A536 60-40-18
 Bonnet: A536 60-40-18
 Ball: Aluminum Alloy Covered Rubber
 (DN50~DN100)
 Ductile Iron Coated Rubber
 Bolt: AISI304

Triple Duty Valve

Fig.6720



Work Pressure: PN16
 Working Temperature: -10°C~110°C
 Dimensions: DN32-DN600
 Body: A536 65-45-12
 Bonnet: A536 65-45-12
 Stem: AISI 304
 Spring: AISI 302
 Disc: B584C 84400
 Seal: NBR/EPDM

Suction Diffuser

Fig.7520



Design conforms to AWWAC 508 /EN558 10
 Work Pressure: PN16
 Dimensions: DN50-DN400
 Working Temperature:
 -10°C~120°C EPDM
 -10°C~80°C NBR
 Body: A536 Gr.65-45-12
 Bonnet: A536 Gr.65-45-12
 Screen: A276 S30400
 Gasket: Graphite / EPDM
 Plugs: A536 Gr.65-45-12

Air valves, Globe valves, Ball valves

**Threaded
Air Vent Valve Fig.7810**



Connection conforms to BS 21 / ISO5208
 Work Pressure: PN16
 Dimensions: DN15-DN25
 Working Temperature: -10°C~100°C
 Body: A126 CLASS B
 A536 65-45-12
 Bonnet: A126 CLASS B
 A536 65-45-12
 Connecting rod: A276 S30400
 Float: A276 S30400
 Seal: Viton

**Flange Air
Relief Valve Fig.7720/30**



Fig.7720



Fig.7730

Connection conforms to BS 21
 Work Pressure: PN16
 Dimensions: DN25-DN250: Fig.9101
 DN50-DN250: Fig.9201
 Working Temperature: -10°C~100°C
 Body: EN-JS 1050
 Bonnet: EN-JS 1050
 Vent: EN12165 CW603N
 Plugs: EN12165 CW603N
 Float: ABS ISO2580
 Float seat: EPDM

Ball Valve Fig.4222



Design conforms to MSS SP-72 / BS EN558-1
 Work Pressure: PN16
 Dimensions: DN50-DN200
 Working Temperature: -10°C~120°C
 Body: EN-JL 1040
 Bonnet: EN-JL 1040
 Disc: BS970 304S15
 Stem: BS970 420S37
 Seat: PTFE

Globe Valve Fig.5621



Design conforms to BS 5152 / MSS SP-85
 Work Pressure: PN16
 Dimensions: DN50-DN300
 Working Temperature: -29°C~232°C
 Body: A126 Class B
 Bonnet: A126 Class B
 Disc: B62 C83600
 Seat: B62 C83600
 Stem: B16 C36000
 AISI 420
 Handwheel: A126 Class B

Globe Valve Fig.5620



Design conforms to DIN3356
 Work Pressure: PN16
 Dimensions: DN15-DN300
 Working Temperature: -29°C~232°C
 Body: EN-JL 1040
 Bonnet: EN-JL 1040
 Stem: BS970 420S37
 Disc: BS970 420S37
 (DN15-DN50)
 EN-JL 1040
 (DN65-DN300)
 Gasket: BS970 420S37
 Packing: Graphite
 Handwheel: EN-JL 1040

Bellows Globe Valve Fig.5720



Design conforms to DIN3356
 Work Pressure: PN16
 Dimensions: DN15-DN200
 Working Temperature: -10°C~300°C
 Body: EN-GJS 400
 Bonnet: EN-GJS 400
 Disc: AISI 420
 (DN15-DN50)
 A216 WCB +13Cr
 (DN65-DN200)
 Seat: AISI 304
 Stem: AISI 420
 Packing: Graphite
 Handwheel: Carbon Steel

Gate Valves

OS&Y Metal Seated Gate Valve Fig.5420



Design conforms to BS 5150/MSS SP-70
 Work Pressure: PN16
 Dimensions: DN50-DN600
 Working Temperature: -10°C-120°C
 Body: A126 CLASS B
 A536 65-45-12
 Bonnet: A126 CLASS B
 A536 65-45-12
 Shaft: B16 C36000
 A276 S42000
 Disc: A126 CLASS B
 A536 65-45-12
 B62 C83600
 A351 CF-8
 A351 CF-8M
 Seat: B62 C83600
 Seal: Flexible Graphite
 Handwheel: A126 CLASS B
 A536 65-45-12

NRS Resilient Seated Gate Valve Fig.5120



Design conforms to BS 5163 / BS5163
 ISO5752 Serie3
 Work Pressure: PN16
 Dimensions: DN50-DN600
 Working Temperature:
 -20°C-110°C (EPDM)
 -10°C-80°C (NBR)
 Body: EN-JS 1050
 Bonnet: EN-JS 1050
 Shaft: S970 420 S37
 BS970 431 S29
 Disc: EN-JS 1050 Covered EPDM
 Seal: O-Ring EPDM / NBR
 Handwheel: EN-JS 1050
 Nut: EN-JS 1050

NRS Metal Seated Gate Valve Fig.5320



Design conforms to BS 5150/MSS SP-70
 Work Pressure: PN16
 Dimensions: DN50-DN600
 Working Temperature: -10°C-120°C
 Body: A126 CLASS B
 Bonnet: A126 CLASS B
 Shaft: B16 C36000
 A276 S42000
 Disc: A126 CLASS B
 Seat: B62 C83600
 Seal: Flexible Graphite
 Handwheel: A126 CLASS B

OS&Y Resilient Seated Gate Valve Fig.5220



Design conforms to BS 5163 / ISO5752 Serie3
 Work Pressure: PN16
 Dimensions: DN40-DN400
 Working Temperature:
 -20°C-110°C (EPDM)
 -10°C-80°C (NBR)
 Body: EN-JS 1050
 Bonnet: EN-JS 1050
 Shaft: BS970 420 S37
 BS970 431 S29
 Disc: EN-JS 1050 Covered EPDM
 Seal: O-Ring EPDM / NBR
 Handwheel: EN-JS 1050

Welded Ball Valves

Fully Welded
Ball Valve

Fig.4151



Work Pressure: 25Bar: DN65-DN200
40Bar: DN15-DN50
Working Temperature: -40°C~200°C
Dimensions: DN15-DN200
Body: Carbon Steel
Ball: SS304
Shaft: SS301
Seat: PTFE+20%C
Spring Washer: 60Si2MnA

Fully Welded
Bore Ball Valve

Fig.4152



Work Pressure: 25Bar: DN65-DN250
40Bar: DN15-DN50
Working Temperature: -40°C~200°C
Dimensions: DN15-DN250
Body: Carbon Steel
Ball: SS304
Shaft: SS301
Seat: PTFE+20%C
Spring Washer: 60Si2MnA

Welded Threaded
Ball Valve

Fig.4111



Work Pressure: 40Bar
Working Temperature: -40°C~200°C
Dimensions: DN15-DN50
Body: Carbon Steel
Ball: SS304
Shaft: SS301
Seat: PTFE+20%C
Spring Washer: 60Si2MnA

Welded Worm Gear
Ball Valve

Fig.4153



Work Pressure: 25Bar
Working Temperature: -40°C~200°C
Dimensions: DN125-DN1400
Body: Carbon Steel
Ball: SS304
Shaft: SS301
Seat: PTFE+20%C
Spring Washer: 60Si2MnA

Flange Welded
Ball Valve

Fig.4121



Work Pressure: 25Bar: DN65-DN400
40Bar: DN15-DN50
Working Temperature: -40°C~200°C
Dimensions: DN15-DN400
Body: Carbon Steel
Ball: SS304
Shaft: SS301
Seat: PTFE+20%C
Spring washer: 60Si2MnA

Flow Balance
Ball Valve

Fig.4155



Work Pressure: 25Bar: DN65-DN200
40Bar: DN25-DN50
Working Temperature: -40°C~200°C
Dimensions: DN25-DN200
Body: Carbon Steel
Ball: SS304
Shaft: SS301
Seat: PTFE+20%C
Spring washer: 60Si2MnA

Vibration Damping Products

Single Sphere Rubber Expansion Joint Fig.G500



Work Pressure: PN16 / PN25
 Dimensions: DN32-DN600
 Working Temperature: -10°C~120°C
 Flange: Ductile Iron/Carbon Steel/Stainless Steel
 Reinforcing Ring: Carbon Steel
 Inner Rubber: EPDM
 Outer Rubber: EPDM
 Reinforcing Cord: Synthetic Fibre

Double Sphere Rubber Expansion Joint Fig.G600



Work Pressure: PN16 / PN25
 Dimensions: DN32-DN600
 Working Temperature: -10°C~120°C
 Flange: Ductile Iron/Carbon Steel/Stainless Steel
 Reinforcing Ring: Carbon Steel
 Inner Rubber: EPDM
 Outer Rubber: EPDM
 Reinforcing Cord: Synthetic Fibre

Double Sphere Union Type Rubber Expansion Joint Fig.G620



Work Pressure: PN16
 Dimensions: DN15-DN50
 Working Temperature: -10°C~120°C
 Union: Ductile Iron/Stainless Steel
 Bolt: SS400
 Nut: SS400
 Inner Rubber: EPDM
 Outer Rubber: EPDM
 Reinforcing Cord: Synthetic Fibre

Threaded Stainless Steel Flexible Hose Fig.G210



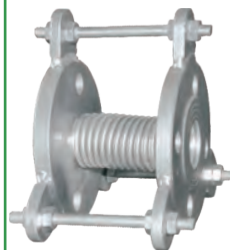
Work Pressure: PN16 / PN25
 Dimensions: DN15-DN50
 Length: 300mm(Default)
 Working Temperature: -10°C~220°C
 Union: Ductile Iron/Stainless Steel
 Union Nut: Ductile Iron/Stainless Steel
 Bellow: Stainless Steel
 Braid: Stainless Steel

Flange Stainless Steel Flexible Hose Fig.G100



Work Pressure: PN16 / PN25
 Dimensions: DN15-DN600
 Length: 300mm(Default), Other lengths are optional
 Working Temperature: -10°C~300°C
 Flange: Carbon Steel/ Stainless Steel
 Collar: Stainless Steel
 Bellow: Stainless Steel
 Braid: Stainless Steel

Stainless Steel Bellow Expansion Joint Fig.G900



Work Pressure: PN16 / PN25
 Dimensions: DN20-DN600
 Length: 120-300mm(with caliber)
 Working Temperature: -10°C~220°C
 Flange: Carbon Steel/ Stainless Steel
 Bellow: Stainless Steel
 Collar: Stainless Steel
 Fixed Screw: Carbon Steel

Partial Domestic Performance

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Computing Center In Xi'an



Hilton Hotel Chongqing

WAVvalve

www.wavalve.com

WAVvalve (Tianjin) Intelligent Manufacturing Co., Ltd.

— Member of the OutShine Valve

Address: No.151, Anyu Road, Binhai New Area, Tianjin, China

Email: info@wavalve.com



Official Account