

CHUANGLAN VALVE

Industrial Valves · Flanges & Fittings · Sanitary Products

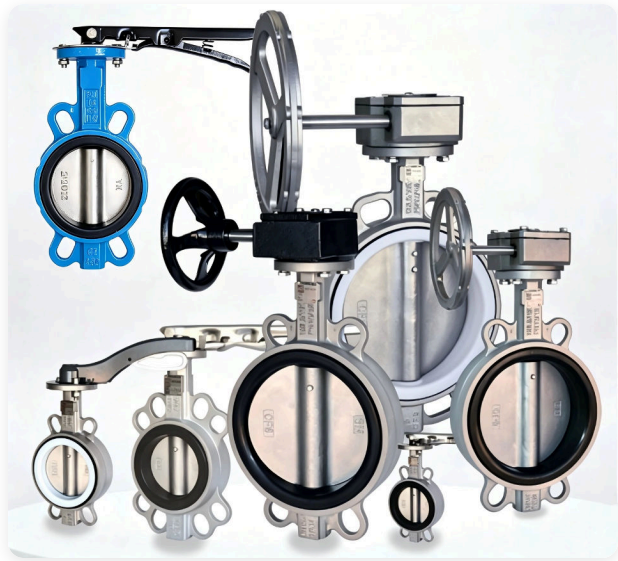
Stainless Steel Valves & Pipe Fittings — Factory Direct 2026 Catalog

CE / ISO 9001 / API 6D / 3A · Export to 50+ Countries

1. Industrial Valves (Oil/Gas, Chemical, Water Treatment)

1. Wafer Butterfly Valve

WaferManual



Compact wafer design, ideal for tight installation spaces

Wafer end, low torque operation, EPDM/PTFE seat, for general water and chemical applications.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN10–PN16 / Class150 (232 psi)
Face-to-Face	EN558-1 Series 13 / ISO 5752
Body Material	GGG40 Ductile Iron / WCB / CF8M Stainless
Seat Options	EPDM / NBR / PTFE / Viton
End Connection	Wafer / Lugged Type

Applicable Standards: EN593 · API 609 · ISO 5752 · EN 1092-2

Water Treatment

Chemical

Oil & Gas

HVAC

2. Pneumatic Wafer Butterfly Valve

Wafer

Pneumatic



Pneumatic rack & pinion actuator for automatic control

Pneumatic rack & pinion actuator, fail-open/fail-close available, for automatic process control.

Size Range	2"–12" (DN50–DN300)
Pressure Rating	PN10–PN16 / Class150
Actuator Type	Pneumatic Rack & Pinion, Double Acting / Spring Return
Air Supply	5–7 bar (70–100 psi)
Accessories	Solenoid Valve, Limit Switch, Positioner
Mounting	NAMUR Standard

Applicable Standards: EN593 · API 609 · NAMUR · ISO 5211

Process Control

Water Treatment

Chemical

3. Flanged Butterfly Valve

Flanged

Manual



Flanged end, longer face-to-face for higher pressure service

Flanged end, longer face-to-face per EN558-2, for higher pressure demanding industrial service.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN10–PN16 / Class150
Body Material	WCB Carbon Steel / CF8M Stainless
End Connection	Flanged RF, EN1092/ASME B16.5
Face-to-Face	EN558-2 Series 14

Applicable Standards: EN593 · API 609 · EN 1092 · ASME B16.5

Oil & Gas

Power Plant

General Industry

4. Flanged Gate Valve (Rising Stem)

Flanged

Rising Stem



Rising stem wedge gate for tight shutoff

Rising stem, wedge gate, tight shutoff for oil/gas and long-distance water transmission lines.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8 / CF8M Stainless
End Connection	Flanged RF per EN1092/ASME B16.5
Stem Type	Rising Stem / Non-Rising Stem

Applicable Standards: API 600 · API 6D · BS 1414 · EN 1092

Oil & Gas

Water Transmission

Power Plant

5. Wafer Knife Gate Valve

Wafer Slurry



Knife-edge gate for slurry and viscous media

Knife-edge gate, ideal for slurry, pulp, powder and viscous media in mining and paper industry.

Size Range	2"–12" (DN50–DN300)
Pressure Rating	PN6–PN10
Body Material	WCB / CF8M Stainless
End Connection	Wafer / Lugged
Seat Options	EPDM / NBR / PTFE / Rubber Lined

Applicable Standards: EN 558 · API 600 · MSS SP-81

- Mining Pulp & Paper Slurry Wastewater

6. Pneumatic Knife Gate Valve

Wafer

Pneumatic



Fast automatic shutoff for abrasive media

Pneumatic actuated knife gate, fast automatic shutoff for abrasive and slurry media.

Size Range	2"–12" (DN50–DN300)
Pressure Rating	PN6–PN10
Body Material	WCB / CF8M Stainless
Actuator	Pneumatic Single / Double Acting
Air Supply	5–7 bar

Applicable Standards: EN 558 · MSS SP-81 · NAMUR

Mining

Wastewater

Cement

7. Flanged Ball Valve

Flanged

Full Port



Full port, tight shutoff for oil and gas service

Full port / reduced port, 2-piece / 3-piece design, tight shutoff for oil, gas and process systems.

Size Range	1"–8" (DN25–DN200)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8 / CF8M Stainless
End Connection	Flanged RF per EN1092/ASME B16.5
Ball	Stainless 316, PTFE Seated

Applicable Standards: API 608 · API 6D ·
EN ISO 17292 · EN 1092

Oil & Gas

Chemical

General Industry

8. Pneumatic / Electric Actuated Ball Valve

Flanged

Automated



Automated ball valve with pneumatic/electric actuator

Automated ball valve with pneumatic/electric actuator, for remote control and automated process lines.

Size Range	1"–6" (DN25–DN150)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8M Stainless
Actuator	Pneumatic / Electric with Positioner
Power Supply	24VDC / 110VAC / 220VAC (Electric)

Applicable Standards: API 608 · NAMUR · ISO 5211

Process Control

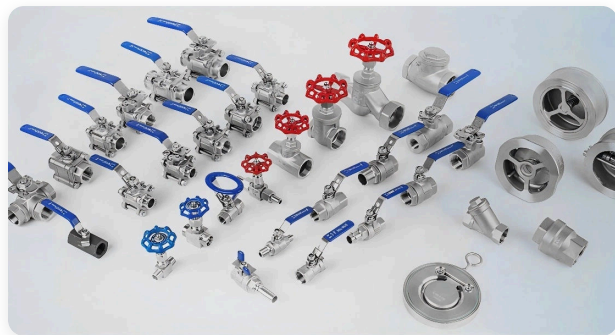
Automation

Chemical

9. Threaded Ball Valve (NPT/BSPP)

Threaded

Compact



3-piece threaded end for small bore pipelines

3-piece threaded end, compact design for small bore pipelines and utility services.

Size Range	1/4"–2" (DN8–DN50)
Pressure Rating	PN40 / Class150
Body Material	CF8 / CF8M Stainless
End Connection	NPT / BSPP Threaded
Seat	PTFE

Applicable Standards: API 608 · ASME B1.20.1 · ISO 7-1

Utility

Pneumatic Lines

General Service

10. Flanged Globe Valve

Flanged

Throttling



Good throttling performance for steam service

Globe pattern, good throttling performance for steam and high-temperature process service.

Size Range	1"–12" (DN25–DN300)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8 / CF8M Stainless
End Connection	Flanged RF
Temperature	-29°C to +425°C

Applicable Standards: API 623 · BS 1873
· EN 1092

Steam Service

Power Plant

Process Control

11. Swing Check Valve

Flanged

Check



Swing disc design, low pressure drop

Swing disc design, low pressure drop, prevents reverse flow in general pipeline systems.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8M
End Connection	Flanged RF
Operation	Automatic Swing Disc

Applicable Standards: API 594 · BS 1868 · EN 1092

- Water Transmission
- Oil & Gas
- General Industry

12. Flanged Lift Check Valve

Flanged

High Pressure



Lift type, low noise, high pressure service

Lift type check valve, low noise, for high pressure steam and process service.

Size Range	1"–12" (DN25–DN300)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8M
End Connection	Flanged RF
Installation	Horizontal / Vertical (Up Flow)

Applicable Standards: API 602 · BS 1868
· EN 1092

Steam Service

High Pressure

Process Lines

13. Wafer Single Plate Check Valve

Wafer Compact



Single plate, compact, fast pump discharge response

Single plate wafer check, compact, fast response for general pump discharge applications.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN10–PN40 / Class150–Class300
Body Material	WCB / CF8M
End Connection	Wafer
Spring	Stainless Steel 304

Applicable Standards: API 594 · EN 558 · DIN

Pump Discharge

Water Treatment

HVAC

14. Wafer Butterfly Check Valve

Wafer

Ultra Short



Double door, ultra short face-to-face

Double door wafer check, ultra short face-to-face, ideal for compact pump stations.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN10–PN40 / Class150–Class300
Body Material	WCB / CF8M
End Connection	Wafer
Face-to-Face	Ultra Short Pattern

Applicable Standards: API 594 · EN 558

Pump Stations

HVAC

Compact Piping

15. Wafer Dual Plate Check Valve

Wafer

Water Hammer



Dual plate, fast closure prevents water hammer

Dual plate wafer type, short face-to-face, fast closure to prevent water hammer.

Size Range	2"–24" (DN50–DN600)
Pressure Rating	PN10–PN40 / Class150–Class300
Body Material	WCB / CF8M
End Connection	Wafer
Closure Time	Fast Closure, Anti Water Hammer

Applicable Standards: API 594 · EN 558 · BS 1868

Pump Discharge

Water Treatment

Power Plant

16. Y-Strainer

Flanged

Protection



Removes pipeline debris to protect equipment

Y-type strainer, removes pipeline debris to protect pumps, meters and control valves.

Size Range	1"–12" (DN25–DN300)
Pressure Rating	PN16–PN40 / Class150–Class300
Body Material	WCB / CF8M
Mesh Options	10–50 mesh Stainless Steel Screen
End Connection	Flanged / Threaded

Applicable Standards: ASME B16.34 · EN 1092 · MSS SP-80

Pump Protection

Process Lines

Water Treatment

2. Flanges & Pipe Fittings

17. Stainless Steel Flanges (WN/ Slip-On/ Blind)

Flanged 304/316L



Weld neck, slip-on, threaded and blind flanges

Weld neck, slip-on, threaded and blind flanges in 304/316L, per ANSI/DIN/JIS/GB standards.

Size Range	1/2"–48" (DN15–DN1200)
Pressure Rating	PN6–PN40 / Class150–Class300
Material	304 / 316L / WCB Carbon Steel
Types	WN, SO, Threaded, Blind, Lap Joint
Face Finish	Raised Face (RF) / Flat Face (FF)

Applicable Standards: ASME B16.5 · EN1092 · JIS B2220 · GB

Pipeline Connection

Equipment Hookup

Pressure Vessel

18. Butt-Weld Pipe Fittings

Butt-Weld

304/316L



Elbows, tees, reducers and caps

Elbows, tees, reducers and caps in 304/316L, per ASME B16.9 / DIN standards.

Size Range	1/2"–24" (DN15–DN600)
Schedule	SCH10S / SCH40S / SCH80S
Material	304 / 316L Stainless Steel
Types	90°/45° Elbow, Equal/Reducing Tee, Reducer, Cap
End	Butt-Weld Beveled End

Applicable Standards: ASME B16.9 · EN 10253 · DIN

Process Piping

Water Treatment

Oil & Gas

19. Butt-Weld Elbow (90°/45°)

Butt-Weld

LR/SR



Long radius and short radius elbows

90° / 45° long radius butt-weld elbows in 304/316L, for directional changes in process piping.

Size Range	1/2"–24" (DN15–DN600)
Angle	90° / 45°
Radius Type	Long Radius (LR, 1.5D) / Short Radius (SR, 1D)
Schedule	SCH10S-SCH40S-SCH80S
Material	304 / 316L

Applicable Standards: ASME B16.9 · EN 10253

Process Piping

Connection Fitting

20. Stainless Seamless Pipe

Seamless

304/316L



Seamless stainless steel pipe for industrial and hygienic use

Seamless stainless steel pipe in 304/316L, for industrial and hygienic process applications.

Size Range	1/2"–24" (DN15–DN600)
Schedule	SCH10S-SCH40S-SCH80S
Material	304 / 316L
Surface Finish	Black / Pickled / Polished
Length	6m / 12m / Custom

Applicable Standards: ASTM A312 / A213
· ASME SA312

Process Piping

Oil & Gas

Hygienic

3. Sanitary Valves & Fittings (3A Certified)

21. Sanitary Butterfly Valve (Tri-Clamp)

Tri-Clamp 3A



Tri-clamp ends, internal mirror polished $Ra \leq 0.8\mu m$

Tri-clamp ends, internal mirror polished $Ra \leq 0.8\mu m$, for food, beverage and pharmaceutical processing.

Size Range	1"–4" (DN25–DN100)
Pressure Rating	PN10 (145 psi)
Material	304 / 316L Stainless Steel
Seal	EPDM / Silicone / FPM (FDA Approved)
Surface Finish	Internal $Ra \leq 0.8\mu m$, External Matt

Applicable Standards: 3-A Sanitary · DIN 11850 · SMS · ISO 2037

Food & Beverage

Pharma

Biotech

Dairy

22. Pneumatic Sanitary Butterfly Valve

Tri-Clamp

Automated CIP



Automated hygienic valve for CIP/SIP clean-in-place lines

Pneumatic actuated hygienic butterfly valve, for automated CIP/SIP clean-in-place lines.

Size Range	1"–4" (DN25–DN100)
Pressure Rating	PN10
Material	316L
Actuator	Pneumatic with solenoid / position feedback
Air Supply	5–7 bar

Applicable Standards: 3-A · FDA · NAMUR · DIN 11850

Automated CIP Lines

Dairy

Brewery

23. Sanitary Ball Valve (Tri-Clamp)

Tri-Clamp

Full Bore



Full bore, zero retention, fully cleanable design

Full bore, zero retention tri-clamp ball valve, fully cleanable for hygienic process systems.

Size Range	1"–4" (DN25–DN100)
Pressure Rating	PN10
Material	304 / 316L
Seal	EPDM / Silicone / PTFE (FDA)
Port	Full Bore

Applicable Standards: 3-A · DIN 11850 · SMS · FDA

Food Processing

Pharma

Cosmetics

24. Pneumatic Sanitary Ball Valve

Tri-Clamp

Automated



Automated hygienic ball valve for high-volume process lines

Automated hygienic ball valve with pneumatic actuator, for high-volume automated process lines.

Size Range	1"–4" (DN25–DN100)
Pressure Rating	PN10
Material	316L
Actuator	Pneumatic with limit switch box
Air Supply	5–7 bar

Applicable Standards: 3-A · FDA · NAMUR · DIN 11850

Automated Lines

Brewery

Dairy

25. Sanitary 3-Way Ball Valve

Tri-Clamp

L/T Port



L/T port 3-way design for flow diversion

L/T port 3-way design, diverts flow between two pipelines in hygienic processing systems.

Size Range	1"–3" (DN25–DN80)
Pressure Rating	PN10
Material	316L
Port Type	L-Port / T-Port
Seal	EPDM / Silicone / PTFE (FDA)

Applicable Standards: 3-A · DIN 11850 · FDA

Flow Diversion

Blending

CIP Systems

26. Sanitary Check Valve (Tri-Clamp)

Tri-Clamp

Backflow



Spring loaded, prevents backflow in hygienic pipelines

Spring loaded, prevents backflow in hygienic pipelines, FDA approved seals.

Size Range	1"-4" (DN25–DN100)
Pressure Rating	PN10
Material	304 / 316L
Seal	EPDM / Silicone (FDA)
Type	Spring Loaded

Applicable Standards: 3-A · DIN 11850 · FDA

Pump Discharge

Hygienic Lines

27. Sanitary Pipe Fittings & Union

Tri-Clamp

Mirror Polish



Tri-clamp elbows, tees, unions and adapters

Tri-clamp elbows, tees, unions and adapters, internal mirror polished, for hygienic piping systems.

Size Range	1"–4" (DN25–DN100)
Material	304 / 316L
Surface Finish	Internal Ra≤0.8μm, External Matt
Types	Elbow, Tee, Union, Reducer, Cap, Ferrule
Connection	Tri-Clamp / Welded

Applicable Standards: 3-A · SMS · DIN 11850 · ISO 2037

Food & Beverage

Pharma

Biotech

28. Sanitary Manhole

Sanitary

Tank Access



Round/square hygienic manhole cover for tanks

Round / square hygienic manhole cover for tanks, quick-opening design for easy inspection.

Size Range	DN150–DN600 (6"–24")
Pressure Rating	PN6
Material	304 / 316L
Seal	Silicone / EPDM (FDA)
Types	Round / Square, Pressure / Vacuum

Applicable Standards: 3-A · DIN 11850 · FDA

Tank Access

Processing Vessels

Storage Tanks

29. Sight Glass

Sanitary

Flow Observation



Sanitary sight glass with light, view flow inside pipelines and tanks

Sanitary sight glass with light, view flow inside pipelines and tanks in hygienic processing.

Size Range	1"–4" (DN25–DN100)
Pressure Rating	PN10
Material	304 / 316L + Borosilicate Glass
Connection	Tri-Clamp / Welded
Options	With LED Light / Wiper / Light Assembly

Applicable Standards: 3-A · SMS · DIN 11850

Flow Observation

Tank Inspection

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