

Materials Services  
Materials Germany

# Stainless steel valves.

Valve expertise from  
a single source.



thyssenkrupp



# A range of excellence

The thyssenkrupp Schulte valve center (“Armaturenzentrum”) is your partner and specialist when it comes to valves for any field of application. Thanks to our market knowledge, long relationships with leading brands/manufactures worldwide and our technical expertise, we are known as one of the top names in this field/market. Our centrally located warehouse in Bielefeld is stocked with a wide range of sizes and material combinations. Known for our short time of processing, we are able to supply your order within 24/48 hours.



## Stainless steel valves

- Production monitoring through external expediting
- Production to German standards
- Foundry with Lloyd's certification
- All valves available with APZ 3.1
- CE mark from DN32
- Replacement seals available ex stock
- 50,000 stainless steel valves available ex stock



## Further services

- Valves for all applications
- Vendor-independent advice
- Pooling of your purchasing requirements
- Technical advice from qualified experts who receive regular training
- Design of control and safety valves
- Actuator design and automation
- Preparation of technical documentation
- Execution of major national and international projects



## Available on inquiry

- TA Luft approval
- Fire Safe approval
- ATEX certificate
- FDA approval
- CRN approval
- Ball valve with electric or pneumatic actuator
- Ball valve with limit switches, pilot valves, etc.
- Fittings/pipe connectors made from stainless steel

# Classic Line

## tk-BC100

Design	1-piece body, reduced bore, internal thread to EN 10226 (DIN 2999), 1/4"-2" = PN 63
Body	Stainless steel, 1.4408
Ball seal	PTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Blowout-proof stem, locking device
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



## tk-BC200

Design	2-piece body, full bore, internal thread to EN 10226 (DIN 2999), 1/4"-2 1/2" = PN 63, 3" = PN 40
Body	Stainless steel, 1.4408
Ball seal	PTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Blowout-proof stem, locking device
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



## tk-BC300

Design	3-piece body, full bore, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 63, 2 1/2"-4" = PN 40
Body	Stainless steel, 1.4408
Ball seal	PTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Blowout-proof stem, locking device
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



## tk-BC300S

Design	3-piece body, full bore, welding end, DN15-DN50 = PN 63, DN65-DN100 = PN 40
Body	Stainless steel, 1.4408
Ball seal	PTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Blowout-proof stem, locking device
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



**tk-BC3LB**

Design	3-way ball valve, L-bore, reduced bore, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 63
Body	Stainless steel, 1.4408
Ball seal	PTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Mounting flange to ISO 5211 (additional components required), blowout-proof stem, FDA-approved PTFE seals, locking device
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BC3TB**

Design	3-way ball valve, T-bore, reduced bore, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 63
Body	Stainless steel, 1.4408
Ball seal	PTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Mounting flange to ISO 5211 (additional components required), blowout-proof stem, FDA-approved PTFE seals, locking device
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BC5MV**

Design	Globe valve, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 16
Body	Stainless steel, 1.4408
Seat seal	metallic
Stem seal	PTFE
Handwheel	Aluminum
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BC5AS**

Design	Gate valve, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 16
Body	Stainless steel, 1.4408
Seat seal	metallic
Stem seal	PTFE
Handwheel	Aluminum
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



**tk-BC5RV**

Design	Piston check valve, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 50
Body	Stainless steel, 1.4408
Seat seal	metallic
Body seal	PTFE
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BC5RK**

Design	Swing check valve, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 16
Body	Stainless steel, 1.4408
Seat seal	metallic
Body seal	PTFE
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BC5SF**

Design	Y-strainer, internal thread to EN 10226 (DIN 2999), 1/2"-2" = PN 50
Body	Stainless steel, 1.4408
Sieb	AISI 316, 0.8 mm mesh size
Body seal	PTFE
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)





# Pro Line – industrial applications

## tk-BP200

Design	2-piece body, full bore, internal thread to EN 10226 (DIN 2999), overall length to DIN 3202-M3, 1/4"-4" = PN 63
Body	Stainless steel, 1.4408
Ball seal	RTFE
Stem seal	PTFE/Viton
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Blowout-proof stem, locking device, TA Luft approval, FDA-approved RTFE/PTFE seals, pressure relief bore in ball
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



## tk-BP200HT

Design	2-piece body, full bore, internal thread to EN 10226 (DIN 2999), high temperature, 1/2"-2" = PN 63
Body	Stainless steel, 1.4408
Ball seal	PEEK
Stem seal	PEEK
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Blowout-proof stem, locking device
Temperature	-20 to +250 °C (depending on medium, temperature & pressure)



## tk-BP300

Design	3-piece body, full bore, internal thread to EN 10226 (DIN 2999), 1/2"-4" = PN 63
Body	Stainless steel, 1.4408
Ball seal	RTFE
Stem seal	PTFE (Belleville washers prestressed)/Viton
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Mounting flange to ISO 5211 (direct installation), blowout-proof stem, locking device, anti-static version (ATEX), FDA-approved RTFE/PTFE seals, pressure relief bore in ball, pressure rating: rough vacuum to nominal pressure
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



**tk-BP300S**

Design	3-piece body, full bore, welding end, DN15–DN100 = PN 63
Body	Stainless steel, 1.4408
Ball seal	RTFE
Stem seal	PTFE (Belleville washers prestressed)/Viton
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Mounting flange to ISO 5211 (direct installation), blowout-proof stem, locking device, anti-static version (ATEX), FDA-approved RTFE/PTFE seals, pressure relief bore in ball, pressure rating: rough vacuum to nominal pressure
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BP200F**

Design	2-piece body, full bore, flange joint to EN 1092-1, overall length to EN 558-1 series 27 (F4/F5), DN15–DN50 = PN 40, DN65–DN200 = PN 16
Body	Stainless steel, 1.4408
Ball seal	RTFE
Stem seal	PTFE (Belleville washers prestressed)/Viton
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Mounting flange to ISO 5211 (direct installation), blowout-proof stem, locking device, anti-static version (ATEX), FDA-approved RTFE/PTFE seals, pressure relief bore in ball, pressure rating: rough vacuum to nominal pressure
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)

**tk-BP100FK**

Design	1-piece body, full bore, flange joint to EN 1092-1, DN15–DN50 = PN 40, DN65–DN100 = PN 16
Body	Stainless steel, 1.4408
Ball seal	RTFE
Stem seal	PTFE
Lever	Stainless steel, 1.4301, with plastic sleeve
Features	Mounting flange to ISO 5211 (additional components required), blowout-proof stem, wafer-type, FDA-approved RTFE/PTFE seals
Temperature	-20 to +200 °C (depending on medium, temperature & pressure)



We would  
be pleased  
to assist and  
advise you.

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