



Cast Valves



Gate Valve - Epoxy Water

Product characteristics and benefits

- Resilient seated in accordance with EN 1074 (DIN 3352 - 4A)
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Boltless bonnet with pressure supported sealing system
- Low torque due to plastic sliding caps on the wedge
- Maintenance-free and corrosion-resistant stem sealing
- With O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- with hand wheel



Gate Valve - Enamel Water

Product characteristics and benefits

- Resilient seated in accordance with EN 1074 (DIN 3352 - 4A)
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Boltless bonnet with pressure supported sealing system
- Low torque due to plastic sliding caps on the wedge
- Maintenance-free and corrosion-resistant stem sealing
- With O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Stem: Stainless steel 1.4021
- Stem nut: Brass

Corrosion protection

- Inside true enamel and outside epoxy coating

Versions

- Standard version as described
- With hand wheel



Product characteristics and benefits

- Resilient seated in accordance with EN 1074
- With socket connection on both sides
- Boltless bonnet with pressure supported sealing system
- Low torque due to plastic sliding caps on the wedge
- Double function socket type for internal and external bayonet locking acc. DIN 28603
- Corrosion-resistant due to boltless connection
- Pull-out proof due to positive connection and friction-locked connection
- Short assembly times due to easy assembly or disassembly
- Stress-free laying due to flexibility of inclination up to +/- 3°
- Variable use for ductile cast iron pipes or plastic pipes due to easy replacement of sealing ring
- Maintenance-free and corrosion-resistant stem sealing
- With O-ring sealing
- Low wear due to wedge guiding and elongated stem bearing
- Suitable for vacuum of up to 90%



Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Wedge: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Stem: Stainless steel 1.4021
- Stem nut: Brass

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- With TYTON sealing rings (for ductile cast iron pipes)
- With GKS sealing rings (for PVC and PE-HD pipes)



Butterfly Valve Epoxy

Product characteristics and benefits

- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Double-offset disk bearing mounted in maintenance-free bushing
- Medium free bearing (dry shaft) in body by means of double O-ring sealing and closed disk eyes
- Wear-resistant, corrosion-resistant and undermining-resistant seat
- Possible to replace profile sealing ring without disassembling the disk
- Automatic sealing system with enclosed and pressure-supported profile sealing ring
- Vacuum tight up to 1 Torr
- Tight in both flow directions acc. to EN 1074-2
- Blow-out proof shaft and shaft sealing
- With self-locking, fully enclosed, maintenance-free worm gear including mechanical position indicator

Materials

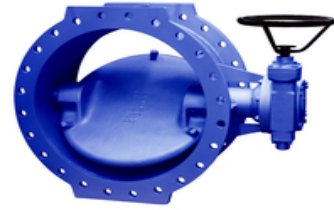
- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Valve sealing: EPDM
- O-rings: EPDM
- Butterfly valve stem: Stainless steel 1.4021
- Shaft bearing: Zincfree bronze
- Seat: High-alloy weld overlay, microfinished

Corrosion protection

- Body: Inside and outside epoxy coating acc. to GSK guidelines
- Disk: Epoxy coating according to GSK guidelines

Versions

- Standard version as described
- With handwheel
- With electric actuator
- With pneumatic actuator
- With hydraulic actuator
- Special designs and bigger sizes available on request
- With ceramic coating
- With mechanical blocking of the disk (UVV locking)



Butterfly Valve Epoxy - welded steel type

Product characteristics and benefits

- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-1
- Double-offset disk bearing mounted in maintenance-free bushing
- Medium free bearing (dry shaft) in body by means of double O-ring sealing and closed disk eyes
- Wear-resistant, corrosion-resistant and undermining-resistant seat
- Possible to replace profile sealing ring without disassembling the disk
- Automatic sealing system with enclosed and pressure-supported profile sealing ring
- Vacuum tight up to 1 Torr
- Tight in both flow directions acc. to EN 1074-2
- Blow-out proof shaft and shaft sealing
- With self-locking, fully enclosed, maintenance-free worm gear including mechanical position indicator

Materials

- Body: Welded steel S235JRG2
- Disk: Welded steel 1.0038
- Valve sealing: EPDM
- O-rings: EPDM
- Butterfly valve stem: Stainless steel 1.4021
- Shaft bearing: Zincfree bronze
- Seat: High-alloy weld overlay, microfinished

Corrosion protection

- Body: Inside and outside epoxy coating
- Disk: Epoxy coating

Versions

- Standard version as described
- With hand wheel
- With electric actuator
- With pneumatic actuator
- With hydraulic actuator
- Special designs and bigger sizes available on request
- With butt welding ends
- With ceramic coating
- With mechanical blocking of the disk (UVV locking)
- Disk made of ductile cast iron EN-JS 1030 (GGG-40)



Automatic Air Valve

Product characteristics and benefits

- With female thread for easy screwing onto the pipeline
- Single chamber air valve in compact design
- For discharge of small quantities of air
- For venting of small quantities of air
- Double function air valve
- Venting function:
 - Small orifice to release low quantities of air during operation under pressure
 - Small orifice to vent low quantities of air
- Outlet female threaded acc. to DIN ISO 228 G ¾", G 1", G 1 ¼"
- Minimum operation pressure: 0.5 bar
- For domestic water supply

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Float: Plastic
- Sealing: NBR

Corrosion protection

- Inside and outside epoxy coating

Versions

- Standard version as described
- With ball valve



Automatic Air Valve - Single-chamber type

Product characteristics and benefits

- Resilient seated
- With flange end acc. to EN 1092-2
- Single chamber air valve in compact design
- Very high discharge capacity up to sonic velocity due to stabilised floater
- Triple function air valve
- Venting function:
 - Large orifice to vent high quantities of air during draining the pipeline
 - Large orifice to release high quantities of air during filling the pipeline
 - Small orifice to release low quantities of air during operation under pressure
- Outlet female threaded acc. to DIN ISO 228
- Minimum operation pressure: 0.3 bar
- With sidewise drainage plug

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet bolts: Stainless steel A4 (DIN EN ISO 3506)
- Inner parts: Stainless steel 1.4571
- Float: Stainless steel 1.4571 (exception: DN 50 synthetic)
- Sealing: EPDM

Corrosion protection

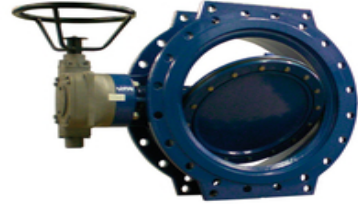
- Inside and outside epoxy coating acc. to GSK guidelines

Versions

- Standard version as described
- For pressures of 0.1...1 bar special seal (with special sealing). Please specify operating pressure when inquiring/ordering.
- For flange dimensions acc. to ANSI
- With insect protection
- DN 50/PN 16 connection with 2" thread available on request



Butterfly Valve Epoxy - short pattern F16



Product characteristics and benefits

- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558-1, basic series 13 (DIN 3202, F16)
- With flange ends on both sides acc. to EN 1092-2
- Double-offset disk bearing mounted in maintenance-free bushing
- Medium free bearing (dry shaft) in body by means of double O-ring sealing and closed disk eyes
- Wear-resistant, corrosion-resistant and undermining-resistant seat
- Possible to replace profile sealing ring without disassembling the disk
- Automatic sealing system with enclosed and pressure-supported profile sealing ring
- Vacuum tight up to 1 Torr
- Tight in both flow directions acc. to EN 1074-2
- Blow-out proof shaft and shaft sealing
- With self-locking, fully enclosed, maintenance-free worm gear including mechanical position indicator

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Valve sealing: EPDM
- O-rings: EPDM
- Butterfly valve stem: Stainless steel 1.4021
- Shaft bearing: Zinc free bronze
- Seat: High-alloy weld overlay, micro finished

Corrosion protection

- Body: Inside and outside epoxy coating acc. to GSK guideline
- Disk: Epoxy coating according to GSK guideline

Versions

- Standard version as described
- With hand wheel
- With electric actuator
- With pneumatic actuator
- Special designs available on request
- With ceramic coating



Butterfly Valve partly enameled

Product characteristics and benefits



- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Double-offset disk bearing mounted in maintenance-free bushing
- Medium free bearing (dry shaft) in body by means of double O-ring sealing and closed disk eyes
- Possible to replace profile sealing ring without disassembling the disk
- Automatic sealing system with enclosed and pressure-supported profile sealing ring
- Vacuum tight up to 1 Torr
- Tight in both flow directions acc. to EN 1074-2
- Blow-out proof shaft and shaft sealing
- With self-locking, fully enclosed, maintenance-free worm gear including mechanical position indicator

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Valve sealing: EPDM
- O-rings: EPDM
- Butterfly valve stem: Stainless steel 1.4021
- Shaft bearing: Zinc free bronze
- Seat: Enameled

Corrosion protection

- Body: Inside true enamel and outside prime enamel with epoxy coating
- Disk: Epoxy coating

Versions

- Standard version as described
- With hand wheel
- With electric actuator
- With pneumatic actuator
- With hydraulic actuator
- Special designs and bigger sizes available on request



Butterfly Valve fully enameled

Product characteristics and benefits



- Resilient seated in accordance with EN 593
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Double-offset disk bearing mounted in maintenance-free bushing
- Medium free bearing (dry shaft) in body by means of double O-ring sealing and closed disk eyes
- Possible to replace profile sealing ring without disassembling the disk
- Automatic sealing system with enclosed and pressure-supported profile sealing ring
- Vacuum tight up to 1 Torr
- Tight in both flow directions acc. to EN 1074-2
- Blow-out proof shaft and shaft sealing
- With self-locking, fully enclosed, maintenance-free worm gear including mechanical position indicator

Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Valve sealing: EPDM
- O-rings: EPDM
- Butterfly valve stem: Stainless steel 1.4021
- Shaft bearing: Zinc free bronze
- Seat: Enameled

Corrosion protection

- Body: Inside true enamel and outside prime enamel with epoxy coating
- Disk: True enamel
- Standard version as described
- With hand wheel
- With electric actuator
- With pneumatic actuator
- With hydraulic actuator
- Special designs and bigger sizes available on request



Control Valve - with hand wheel

Product characteristics and benefits

- Resilient seated
- Face-to-face length acc. to EN 558-1, basic series 1 (DIN 3202, F1)
- With flange ends on both sides acc. to EN 1092-2
- Control valve in globe valve design
- Valve piston as control device with slotted cylinder
- Low actuating torque due to pressure balanced valve piston
- Control devices individually replaceable depending on operating conditions
- With rising stem
- With position indicator
- With hand wheel



Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Piston guide, stem extension: Bronze
- Piston: Stainless steel 1.4301
- Seat bush: Stainless steel 1.4021
- Valve sealing: NBR
- Stem: Stainless steel 1.4021

Corrosion protection

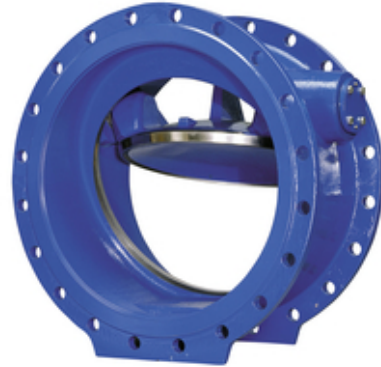
- Inside and outside epoxy coating



Slanted Seat Tilting Disk Check Valve

Product characteristics and benefits

- Metallic sealing in accordance with EN 12334 - Part 3)
- Face-to-face length acc. to EN 558-1, basic series 14 (DIN 3202, F4)
- With flange ends on both sides acc. to EN 1092-2
- Compact design
- Short closing time due to approx. 30% reduced stroke by means of a slanted seat
- Corrosion-resistant and wear-resistant sealing seat
- No moving parts outside of the valve
- Reduced pressure losses due to free running disk



Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Check valve disk: Ductile cast iron EN-JS 1030 (GGG-40)
- Check valve shaft: Stainless steel 1.4021
- Shaft bearing: Zinc free bronze
- Seat: High-alloy weld overlay, micro finished

Corrosion protection

- Inside and outside epoxy coating

Versions

- Standard version as described
- Bigger sizes available on request
- Special designs available on request
- Pressure rating PN 25 available on request
- With internal damping unit
- With blind cover (prepared for internal damping unit)
- With mechanical position indicator
- With limit switch
- With rubber lining
- Welded design
- Forged design



Non-Return Valve

Product characteristics and benefits

- Resilient seated in accordance with EN 12334
- Face-to-face length acc. to EN 558-1, basic series 48 (DIN 3202, F6)
- With flange ends on both sides acc. to EN 1092-2
- Low pressure loss due to full bore type (100%)
- Double service life due to turnable disk
- Integrated limit stops in the disk to protect the seal
- No bearing friction due to integrated suspension of disk
- Pre-stressed disk closing due to rubber suspension
- Incrustation- and corrosion-free rubber lined disk
- Quick and easy disassembly of body cover and disk for maintenance
- With threaded plug G ¾"



Materials

- Body: Ductile cast iron EN-JS 1030 (GGG-40)
- Bonnet: Ductile cast iron EN-JS 1030 (GGG-40) Tests and approvals
- Check valve disk: Ductile cast iron EN-JS 1030 (GGG-40) all around EPDM vulcanized
- Bonnet bolts: Stainless steel A2 (DIN EN ISO 3506)
- Plug: Brass

Corrosion protection

- Inside and outside epoxy coating acc. to GSK guidelines



Non-Return Valve

Product characteristics and benefits

- Resilient seated
- Face-to-face length to EN 558-1, basic series 16 (DIN3201, F3)
- Installation possible between pipeline flanges to EN 1092, to ANSI B 16.5, BS 4504 and NF-E29- 222/223
- Low opening pressure and fast closing operation



Materials

- Body: Cast iron EN-JL 1040 (GG-25)
- Check valve disk: steel 1.0570 EPDM coated all over
- O-rings: EPDM
- Check valve shaft: Stainless steel 1.4057

Corrosion protection

- Inside and outside epoxy coating

Field of Application

- Installation in plants