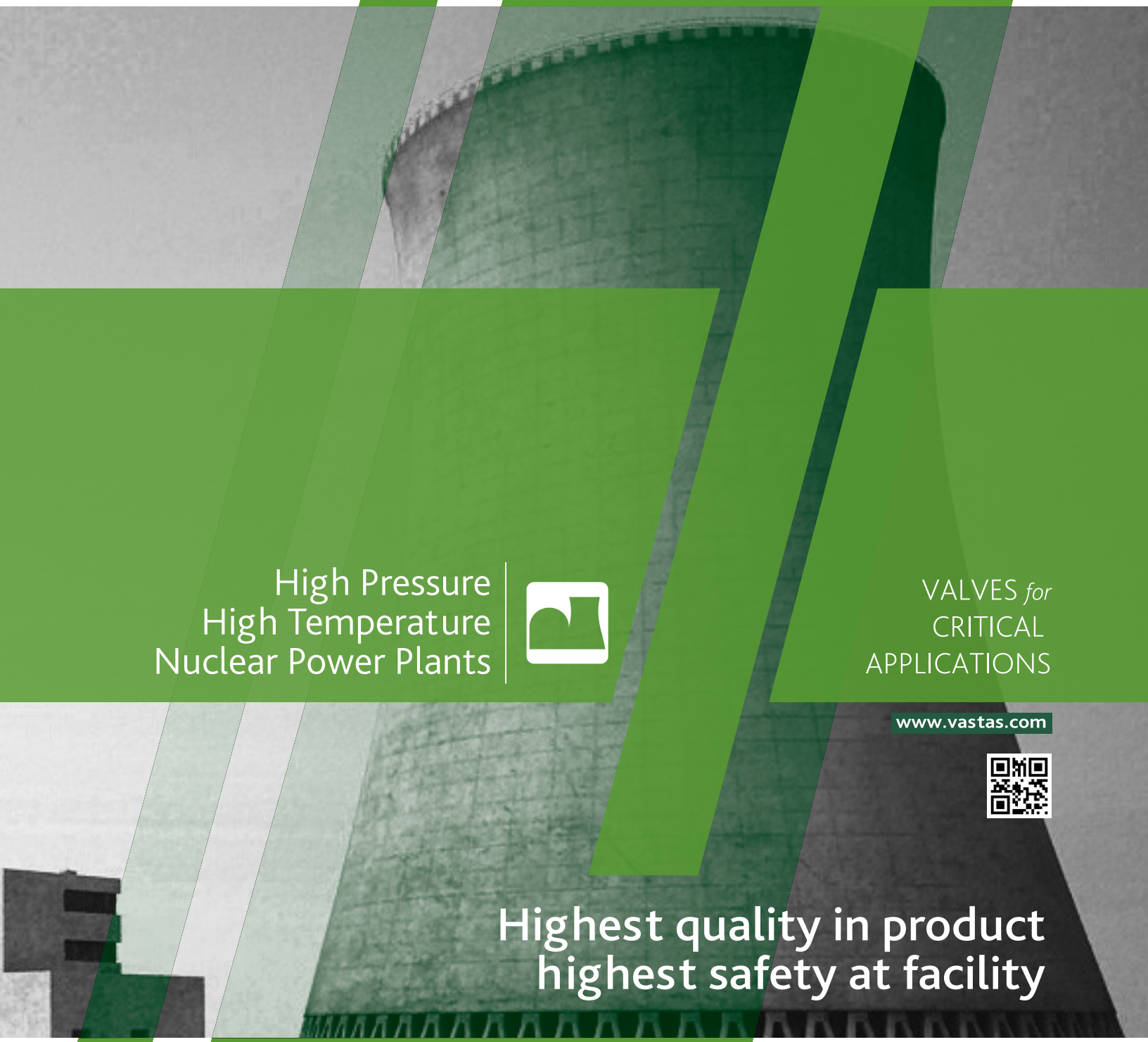

High Pressure
High Temperature
Nuclear Power Plants

VALVES *for*
CRITICAL
APPLICATIONS

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Highest quality in product highest safety at facility

VASTAS
VALVES & ACTUATORS

AT A GLANCE
MISSION & VISION

Vastas is a Turkish company that designs, manufactures and repairs valves and actuators. It is mostly active in Gulf Countries & Turkic Republics. As one of the leading valve companies in Oil & Gas Pipelines, it is aligned at top 5 manufacturers in Europe for Valve & Actuator Combined System.

Establishment
1945

- ***Location***
  Turkey
- ***Capacity***

- ***Personnel***

- ***Focus***
  Pipeline Valves
- ***Product Line***
  Gate, Ball, Check, Globe, Plug Valves & Actuators
- ***Primary Industries***
  Oil & Gas
  Refining & Petrochemicals
  Energy
  High Pressure Water

Our Vision
We aim to become one of the leading global brands, manufacturing industrial valve & actuators.

Our Mission
With our commitment to future generations; our mission is to ensure a sustainable environment for all living kinds and update our values for the society.

Our Policy
Vastas's Policy is to create optimum value from what is spend. To reward the time and men-power spent. To ensure the sustainability of the natural sources spent, to invest in the future of the community and environment.

As one of the first integrated management system builder in Turkey, Vastas was awarded with ISO 9001, ISO 14001, certificates. Now we aim to comply with SA8000's requirements and bring this standard to valve industry and its subcontractors in Turkey.

Our Values
- Sustainable Life for All
- Transparency
- To bear yesterdays responsibility
- Be the best of today
- Serve the product of tomorrow
- Continuous development of quality
- Customer-focused services

Here are five major rings of the chain that will carry us to the future;

- Quality
- Health
- Safety
- Environment
- Social Responsibility

CERTIFICATES

- ISO 9001 *(since 1997)*
- ISO 14001 *(since 2003)*
- ISO 45001 *(since 2003)*
- CE *(since 2002)*
- API 6D *(since 2003)*
- API 600 *(since 2006)*
- ASME U *(since 2016)*
- NACE *(since 2010)*
- ATEX *(since 2010)*
- SIL 2-3 *(since 2015)*
- NDK Certificate *(since 2024)*

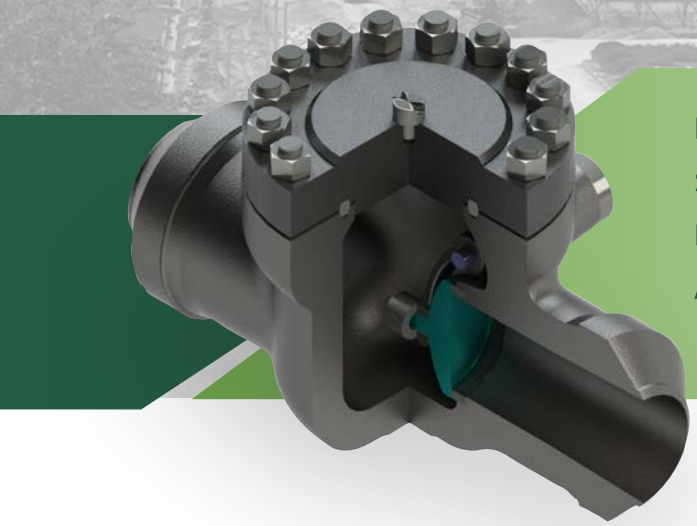
Planned:

- ASME N
- NPT
- NV
- NQA-1
- NB-NR
- OIT

PRODUCT LINE *for* NUCLEAR POWER PLANTS

CHECK VALVES

Swing Check Type



Design Standards	ASME Section III ASME B16.34
Sizes	2" - 48" (DN 50-1200)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas

FEATURES

The flow diameter of the monoblock body has same value as that of the nominal diameter. The lowest rate of pressure drop has been attained only with this type of body design. The disc opens completely parallel to the flow direction, to maintain smooth flow. It is designed to resist shocks and vibrations. The seat face is flat. The disc arm is fit into the body by means of a pin, to enable easy operation, without being affected by the flowing fluid.

BODY Forged Steel, Casting Steel

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

COVER SEAL DESIGNS Bolted Bonnet, Pressure Seal Body / Cover Joint

CONNECTION Flanged, Welded

OPTIONS Position indication
Seal weld (bolted bonnet)
Lock open position

CHECK VALVES

Dual Disc Type

Design Standards	ASME Section III ASME B16.34
Sizes	2" - 48" (DN 50-1200)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas

FEATURES

The Dual Disc Check Valve is designed to open fully to provide flow in the forward direction and close rapidly upon flow reversal. and designed to prevent reverse flow automatically. On pump start-up, the flow of water enters the valve from the seat end (in Figure 1) and forces the two discs open until they strike the disc stop pin. On pump shut-down, valve closes with help of the torsion springs.

BODY Forged Steel, Casting Steel

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

Nozzle Check Valves

Design Standards	ASME Section III ASME B16.34
Sizes	2" - 48" (DN 50-1200)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas

FEATURES

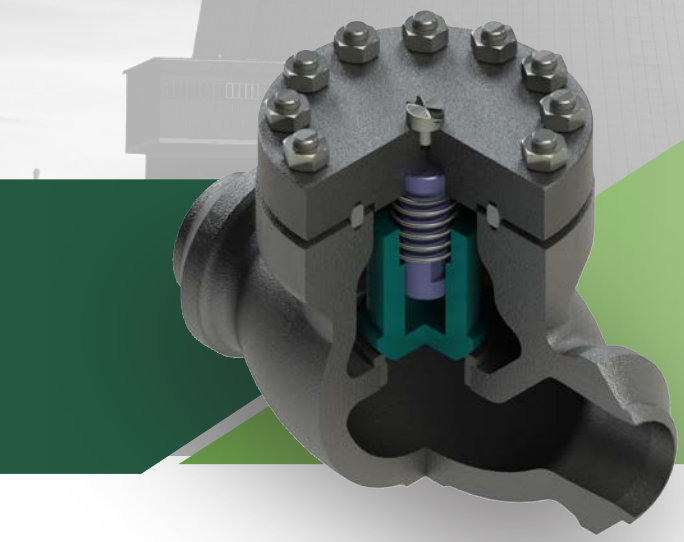
Nozzle check valve is designed to meet the criteria of conven tional check valves by allowing forward flow under normal conditions, opening easily, firmly backseating at low velocity and closing on reverse flow with minimal seat leakage.

BODY Casting Steel

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

CHECK VALVES

Lift Type



Design Standards	ASME Section III ASME B16.34
Sizes	1/2" - 48" (DN 15-1200)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas

FEATURES

- Available in 'T' pattern configuration
- One piece poppet design with hardfacing on guide surfaces
- Valves sized on seat bore to ensure full lift in open position
- Lift Check valves may be equipped with equalizer lines to vent the bonnet area above the disk and eliminate any dash-pot effect during rapid operation

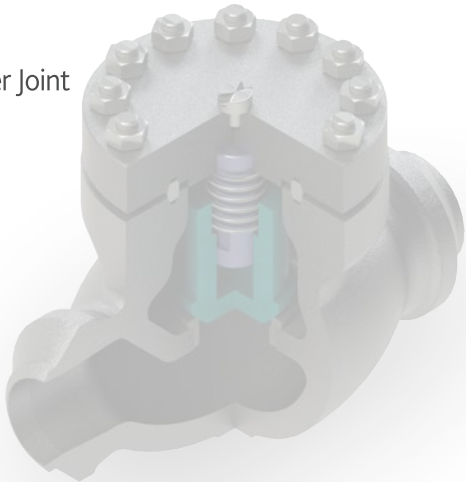
BODY Forged Steel, Casting Steel

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

COVER SEAL DESIGNS Bolted Bonnet, Pressure Seal Body / Cover Joint

CONNECTION Flanged, Welded

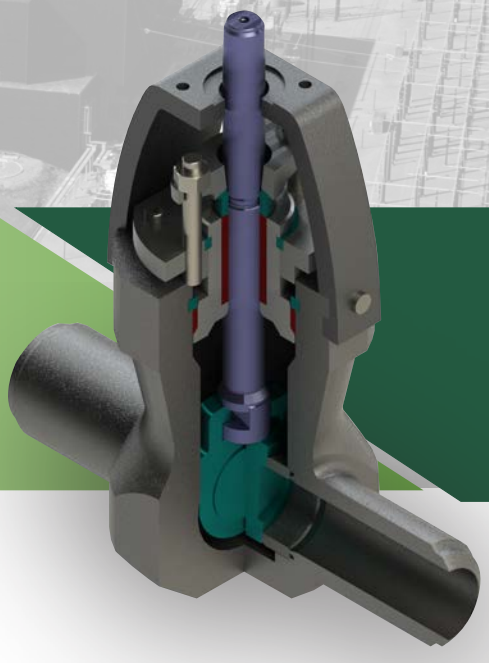
OPTIONS Seal weld (bolted bonnet)



GATE VALVES

Flexible Wedge Design

Design Standards	ASME Section III ASME B16.34
Sizes	2" - 100" (DN 50-2500)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas



FEATURES

- Flexible wedge design
- Bi-directional operation
- Tight shut-off

BODY Forged Steel, Casting Steel

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

SEAT & WEDGE Hardfaced with stellite or cobalt free materials.

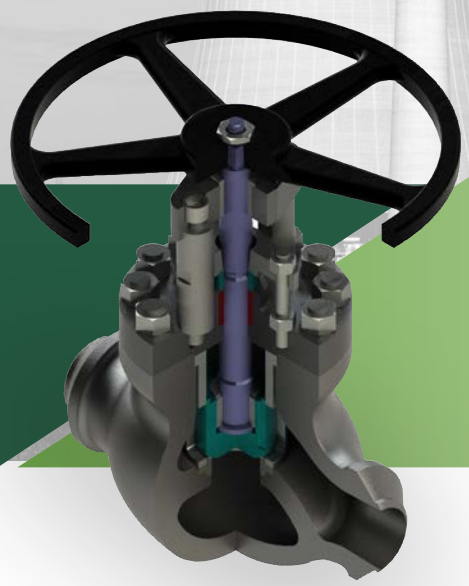
COVER SEAL DESIGNS Bolted Bonnet
Pressure Seal Body / Cover Joint

OPTIONS Pneumatic
Electric Motor
Gas-Hydraulic
Manual Gear
Bare Stem

OTHER OPTIONS Position indication
Bonnet overpressure protection
Seal weld (bolted bonnet)
Integral bypass arrangements / option
Instrumented stem

CONNECTION Flanged, Welded

CONTROL VALVES



Globe Type

Design Standards	ASME Section III ASME B16.34
Sizes	2" - 36" (DN 50-900)
Pressure Class	150 - 2500
Applications	Process Control

FEATURES

- Single and multi stage pressure drop
- Severe service trims
- Stable cage guiding

BODY Forged Steel, Casting Steel

COVER SEAL DESIGNS

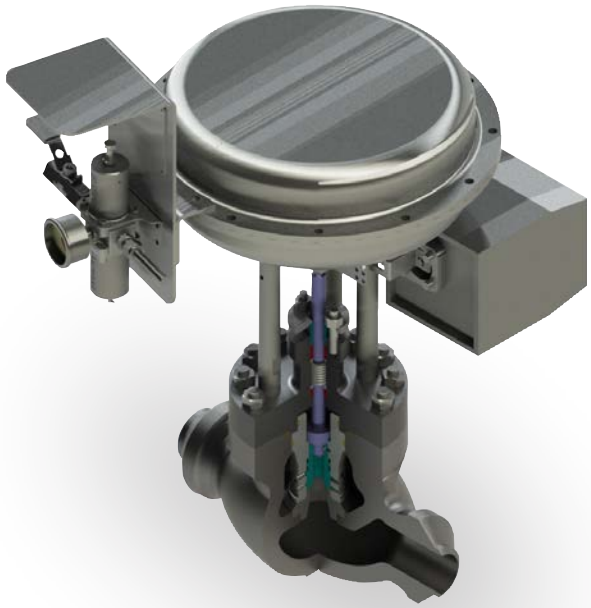
Bolted Bonnet
Pressure Seal Body / Cover Joint

CONNECTION

Flanged, Welded

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

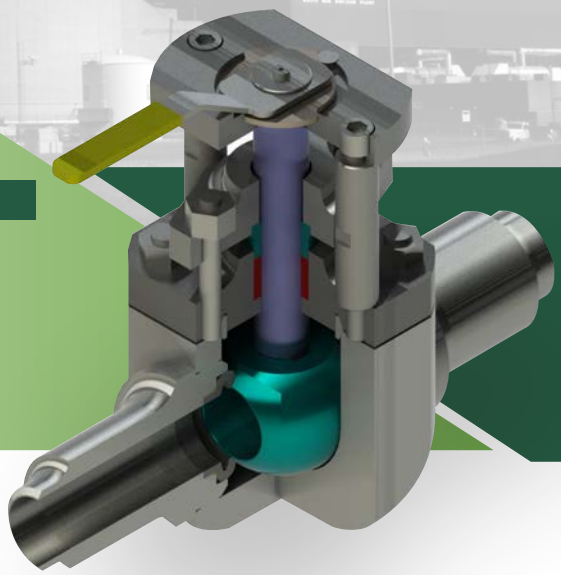
OPTIONS Pneumatic
Electric Motor
Hydraulic



BALL VALVES

Top Entry Design

Design Standards	ASME Section III ASME B16.34
Sizes	1/2" - 48" (DN 15-1200)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas



FEATURES

It is possible to remove the bonnet of the Top-entry valve allowing free access to the body cavity without dismantling the valve from the line. A set of special maintenance tools permits to take out both ball and seat-rings; this maintenance operation requires very little space around the valve, thus allowing it in areas where space is a limiting factor.

CONNECTION Flanged, Welded

BODY Forged Steel, Casting Steel

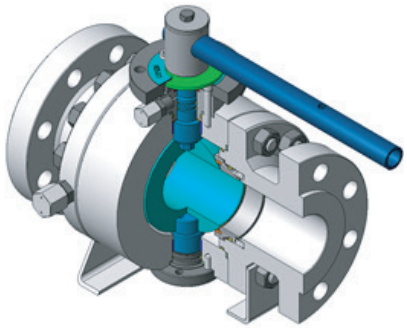
SEAT DESIGN Soft Seated, Metal to Metal Seated

MATERIALS Carbon Steels
Alloy Steels
Stainless Steels

OPTIONS Pneumatic, Electric Motor, Gas-Hydraulic, Manual Gear, Bare Stem

SPLIT BODY BALL VALVES

Side Entry Design



Design Standards	ASME Section III, ASME B16.34
Sizes	1/2" - 56" (DN 15-1400)
Pressure Class	150 - 2500
Applications	Steam, Saltwater, Waste Water, Potable & Drinking Water, Oil, Sour Natural Gas

BODY Forged Steel, Casting Steel

SEAT DESIGN Soft Seated, Metal to Metal Seated

CONNECTION Flanged, Welded

OPTIONS Pneumatic, Electric Motor, Gas-Hydraulic, Manual Gear, Bare Stem

MATERIALS Carbon Steels, Alloy Steels, Stainless Steels

FEATURES

- Operational easiness by quarter turn motion
- Laminar flow within through conduit design
- Applicable maintenance by field service
- Suitable for underground services

VASTAS
VALVES & ACTUATORS

Vastaş Valf Armatür Sanayi Ticaret Anonim Şirketi

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