NTK VALVE / PRODUCT & MANUFACTURING

NTK Valve
Products & manufacturing

Ball valves at the core of an industrial valve heritage.



BALL VALVES / CAST STEEL VALVES / FORGED STEEL VALVES MANUFACTURING / QUALITY / PROJECT SELECTION

Prepared from NTK company materials. Final product configuration and technical parameters are subject to the approved data sheet.

01 / COMPANY & PORTFOLIO

Focused on industrial valve manufacturing.

Based in Yongjia, Wenzhou, Zhejiang NTK Valve Co., Ltd. designs and manufactures ball valves and industrial valves. Ball valves form the core range, complemented by gate, globe and check valves, with materials, construction, inspection and delivery requirements defined for each application.



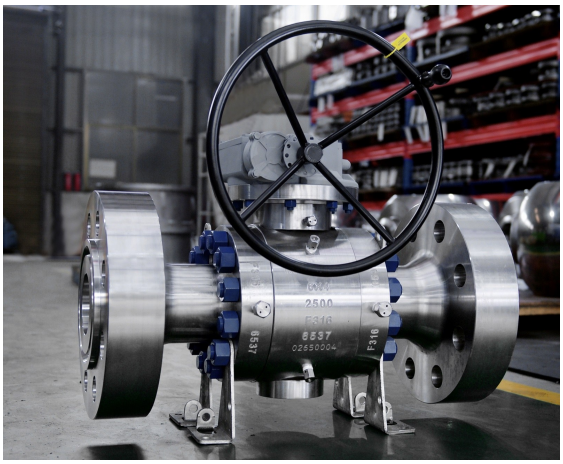
Ball valves	Floating, trunnion, top-entry, metal-seated, cryogenic and actuated configurations.
Cast steel valves	Gate, globe and check families, including catalogue pressure-seal configurations.
Forged steel valves	Review the family, bonnet construction and end connections for the project.

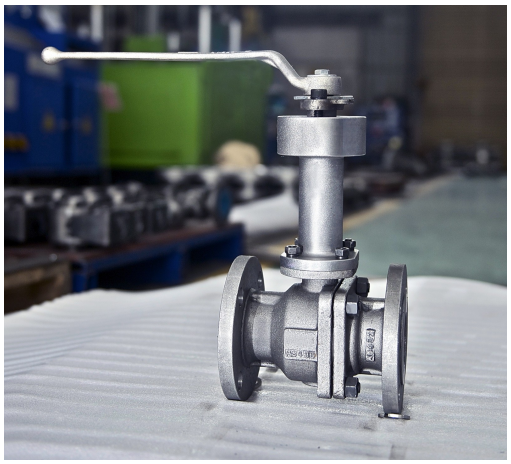
02 / BALL VALVE PORTFOLIO

Ball valve families.

Start with the configuration, then define materials, seats, ends and operation. The model names below follow the supplied company ball valve catalogue.

YQ	Floating ball valve
EQ	Floating ball valve
SQ	Three-piece floating ball valve
TTQ	Top-entry ball valve
BTQ / STQ	Trunnion ball valve
ETQ	Metal-seated ball valve





Photographs show supplied ball valve configurations; they are not assigned to unverified exact model codes.

03 / INDUSTRIAL VALVES

An industrial valve portfolio.







Gate	Pipeline shut-off and isolation; review stem clearance, ends and operating conditions.
Globe	Review flow direction, differential pressure, disc, seat and installation.
Check	Review flow, orientation and system start-up and shutdown.
Forged configurations	Gate, globe and check families; confirm end and bonnet construction by model.

Size ranges must be reviewed with their corresponding pressure classes; a maximum size for one class must not be applied to another.

04 / MANUFACTURING

From requirements to delivery.

01 Requirements & technical review

Review the valve family, service conditions, materials, ends and operation, together with drawings, inspection and delivery documents.

02 Incoming materials & components

Check identification, specification, quantity, supplier and material records; complete and record the required incoming inspection.

03 Component machining

Control dimensions, mating surfaces and connections against drawings, with checks linked to the manufacturing route.

04 In-process inspection

Check dimensions, surfaces and identification. Where welding applies, retain the specified consumable, operation and inspection records.

05 Preparation & assembly

Check component configuration and cleanliness, complete valve assembly and record the inspection results.

06 Pressure & seat testing

Define shell, seat and applicable backseat tests for the valve construction and agreed specification, and record the results.

07 Final inspection & protection

Review appearance, dimensions, identification, coating and protection against the product and project documents.

08 Packing & documentation

Check products, quantities, identification and packing information, then assemble the agreed conformity and inspection documents.

05 / QUALITY CONTROL

A record at every stage.

01 Incoming inspection

Check material and purchased-component identification, specification, supplier and inspection results, linking receipt records to production.

Supporting record: Incoming inspection report

02 Process inspection

Relate drawings, dimensions, surfaces and process requirements; record deviations and arrange disposition.

Supporting record: Process checks and applicable welding records

03 Assembly inspection

Check configuration, assembly condition and operation, using the assembly record as an input to testing.

Supporting record: Assembly record

04 Pressure & sealing

Apply the agreed test scope, medium, pressure, duration and acceptance criteria for the relevant valve type.

Supporting record: Valve performance test record

05 Nonconformity control

Record the nonconformity, obtain the required disposition and retain reinspection results after rework or repair.

Supporting record: Nonconformity review report

06 Final release

Review test results, identification, protection and packing, and prepare the agreed conformity and quality records.

Supporting record: Final inspection and product quality documents

06 / WORKSHOP ARCHIVE

Inside manufacturing.



Machining workshop



Valve assembly



Pressure testing



Component storage

Photographs are from the company manufacturing archive. They do not state current equipment counts or production capacity.

07 / PROJECT ENQUIRY

Make the requirements clear.

Duty

Medium composition, design and operating pressure, temperature range, flow and operating differential.

Configuration

Valve family, size, quantity, materials, seats, seals, ends and face-to-face dimensions.

Operation

Manual or automated operation, air or power supply, control signal, fail position and cycling.

Delivery

Drawings, material records, testing, witnessing, conformity documents and required timing.

Certificates & technical documents

Certificates require verification of the holder, scope and validity. Historical certificates, test reports and equipment calibration records serve different purposes; request the applicable current documents for your project.

Source basis

Prepared from company BALL VALVE, CAST STEEL VALVES and forged steel catalogues, manufacturing photographs, quality records and inspection procedures. The predecessor relationship was confirmed by the client. External brand reference material, expired certificates and unverified figures are not represented as NTK capability claims.