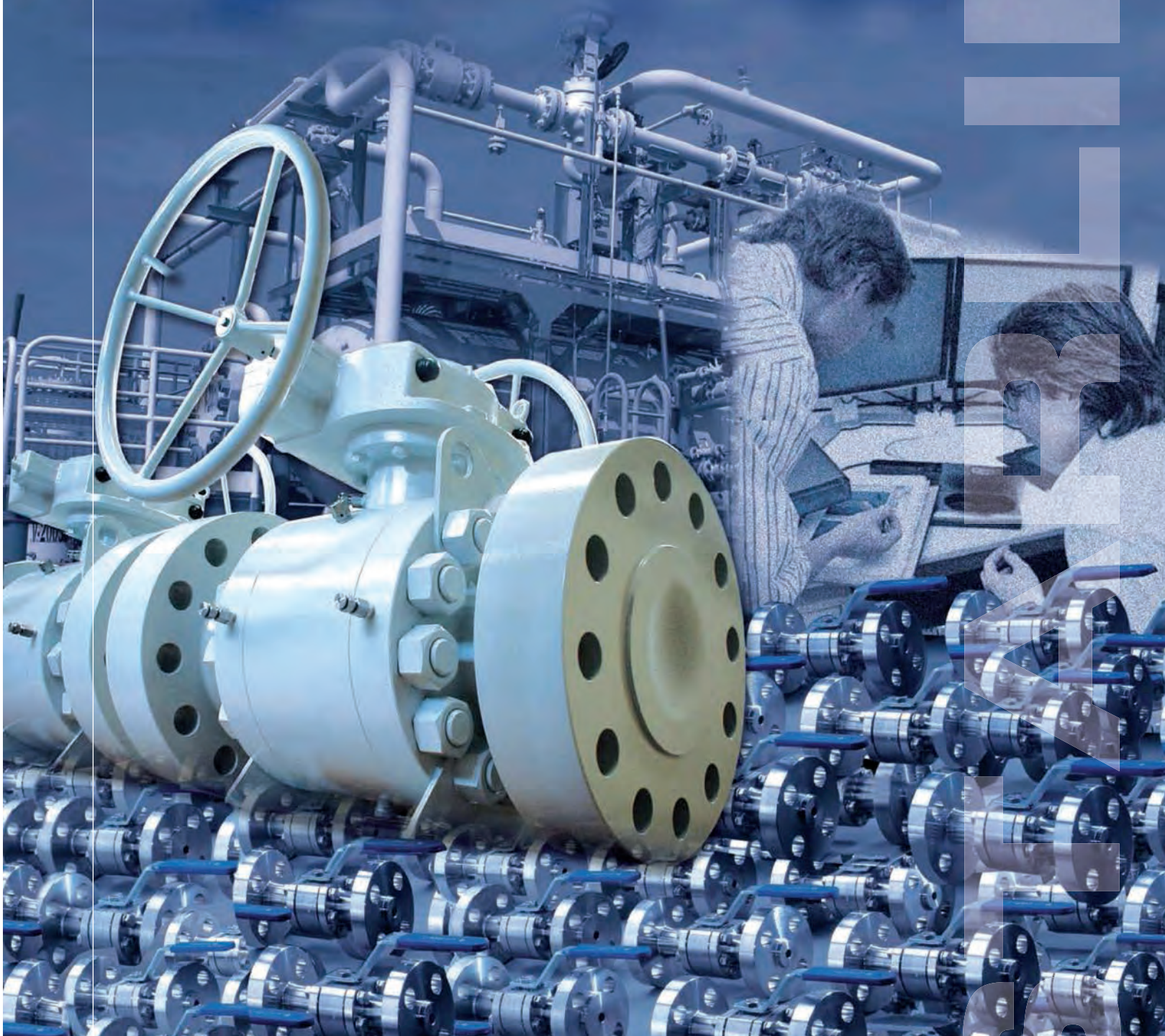


st STARLINE®
forged steel ball valves

Company Profile



STARLINE

HISTORY



Founded in 1976 by Santo Rota, STARLINE S.p.A. has grown to be one of the leading companies in the production of forged ball valves in the World.

Since the origin the target of the Company was to manufacture a quality product using forged components and qualified high level suppliers for all the soft parts (seats and seals) most of which were specifically developed according to Starline design requirements.

The small size valves and related models originally created are still today a masterpiece in the sector, well known by all the end users and manufacturers.

Around year 2000, when most of the European manufacturers decided to move production and/or purchases to new Economies in Far East and China, Starline decided to step up the target of the quality and developed new products for critical applications such as Cryogenic and Metal to Metal valves and increased the production range to cover sizes till 16" on all the pressure ratings - including 15.000 PSI API 6A valves till.

The result was a sensitive increase on produced quantities and turnover, with the introduction and the qualification by all the most recognized worldwide companies.

Today Starline structure counts approximately 90 employees. The new factory extends on an area of 31.700 square meters (of which 17.000 covered) and the production capacity has raised to 250.000 valves per year.

The process of growing is continuing year by year, with the introduction of new employees, technical solutions, sophisticated systems of valve testing, dimensional and quality control, stocking and logistic systems. All the used materials are mandatory manufactured in Western Europe (all the forgings companies are located in Italy).

Beside of this Starline is counting on Worldwide Affiliated Companies (commercial divisions) and Distributors which are storing valves for the local market and supporting the end users on every need.

FULLY MADE IN ITALY

DESIGN

TESTING

STORAGE

ASSEMBLY

MACHINING



The new factory is located in Bergamo, 40 Km North of Milan, and it is not only the Office Headquarter, but also the one and only production facility. Design of all the products, stock of the raw and machined parts, control of all the incoming material (dimensional, chemical analysis, non destructive examinations), assembly, testing and preparation for shipment concentrate here. This permits a full control on all the aspects of the production and of the complete processes.

Starline has introduced a new system of bar code reading storage which allows the best traceability and optimization of all storage and logistic of all components throughout the complete production cycle.

Actual stock capacity: 7.400 pallet places, 300 picking positions, 500 automatic shelves protected from light and dust. Starline count more than 180.000 pieces of forgings ready in house, stock of exotic materials including Inconel 625, Alloy 825, Titanium, Monel, Duplex, Superduplex and many others. Stock of machined valve components (more than 300.000 parts), seats and seals, bolts and other components with minimum stock and automatic re-ordering system. In total Starline stock counts more than 32.000 different article numbers.



STARLINE

CERTIFICATES

COMPANY AND PRODUCT APPROVALS



CUSTOMER APPROVALS



Many other approvals and certificates such as but not limited to: PED, ATEX, FUGITIVE EMISSION, NAVAL TYPE APPROVAL, DNV and CRYOGENIC are available in their latest issue on our web page www.starline.it in the "news and quality & certification" area.

REFERENCES

REFERENCES – QUALIFICATIONS

Thanks to high quality standard and important supplies on the largest worldwide projects, Starline has grown year by year its qualifications into the leading Companies in the Oil & Gas field, Shipyards, LNG and Energy. This process is in continue update and development.

MAIN CUSTOMERS

ADCO

ADGAS

ADMA-OPCO

AKER

AURAMARINE

BRITISH PETROLEUM

DSME

ENAGAS

ENI

EXXON MOBIL

GASCO

GAZ DE FRANCE

GDF SUEZ

GRT GAZ

GAZPROM

HYUNDAI HEAVY

INDUSTRIES

INPEX

JGC

CORPORATION

KBR

KNPC

KOC

NPCC

PDO

PETROBRAS

PETROFAC

PTSC

PTTEP

QATARGAS

SAIPEM

SAMSUNG

SHELL

INTERNATIONAL

SNAMPROGETTI

STATOIL

TECHNIP

TECNIMONT

TOTAL

ZADCO

WARTSILA

MAIN PROJECTS :

DSME - INPEX ICHTHYS FPSO – AUSTRALIA

PETROFAC - ADCO BAB HABSHAN - UAE

TOTAL E&P RUSSIA – KHARYAGA PHASE II DEVELOPMENT – RUSSIA

PETROFAC - ITHACA ENERGY GREATER STELLA – UK

PONTICELLI – TOTAL OFON II – NIGERIA

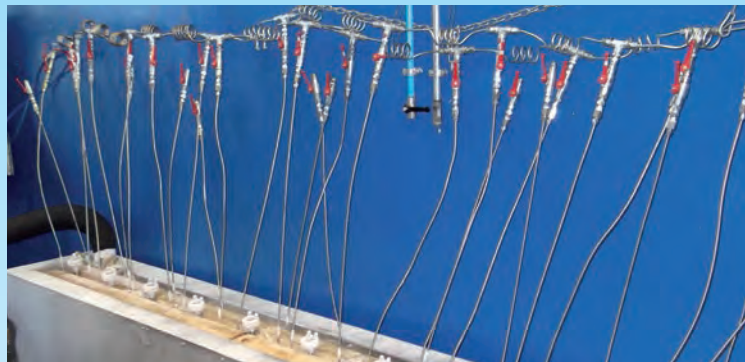
JGC CORPORATION – RASGAS – BARZAN – QATAR

QUALITY CONTROL

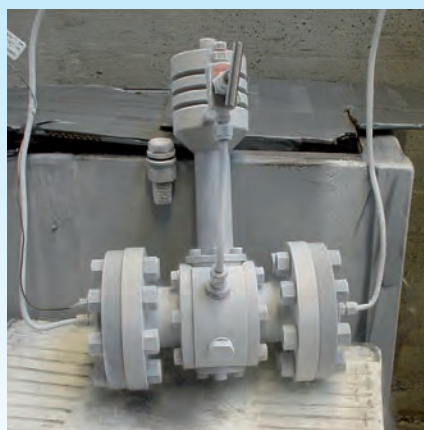
Starline invests every year on instruments and technologies which give the possibility of monitoring the quality of each product and its components. This guarantee the possibility of performing controls at all levels on the materials (NDE Tests) and on the complete valves (Hydro and gas testing, fugitive emission, cryogenic test, cycle test, high temperature test). The new testing are on a surface of 1.000 square meters gives possibility of testing simultaneously more than 25 valves on every size/pressure configuration.



Three “five heads” testing units, two “three heads” test units, two single head test unit, seven boosters for gas test, two cryogenic test units, one fugitive emission test unit, one oven for high temperature testing.

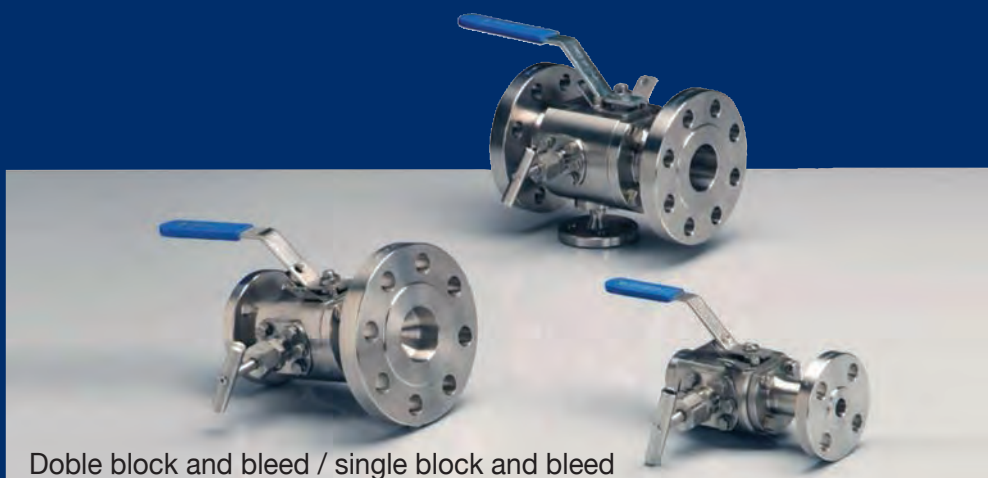


Sample of NDE test (Penetrant Test) – Cryogenic Test – High temperature test.



STARLINE

SPECIAL VALVES



VOLUMES



Starline is highly specialized in handling both small quantities and large volumes.

Thanks to specific flexibility in production and large stock availability, it is possible to deliver special executions in various materials and volumes at the same time.

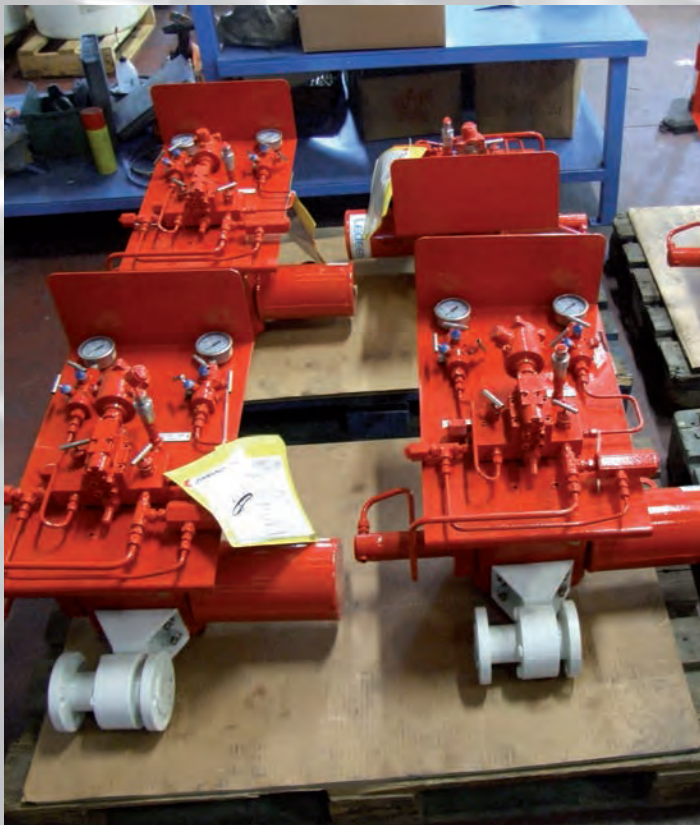
The remarkable capacity of the testing area permits to handle witness inspection of several thousands of valves in various executions (soft, metal seated valves, high alloy materials, wide range) in short time and to carry out different inspections in the same day.



AUTOMATION

In cooperation with one of its parent company, AIR TORQUE, Starline has developed a wide experience in automation. A complete range of aluminum pneumatic actuator is available for Customers selection together with an unique solid and compact range of brackets and adaptors fully in accordance with ISO 5211.

Starline is also assembling and testing several SDV, ESDV and On/Off valves equipped with heavy duty pneumatic, hydraulic or electric actuators.



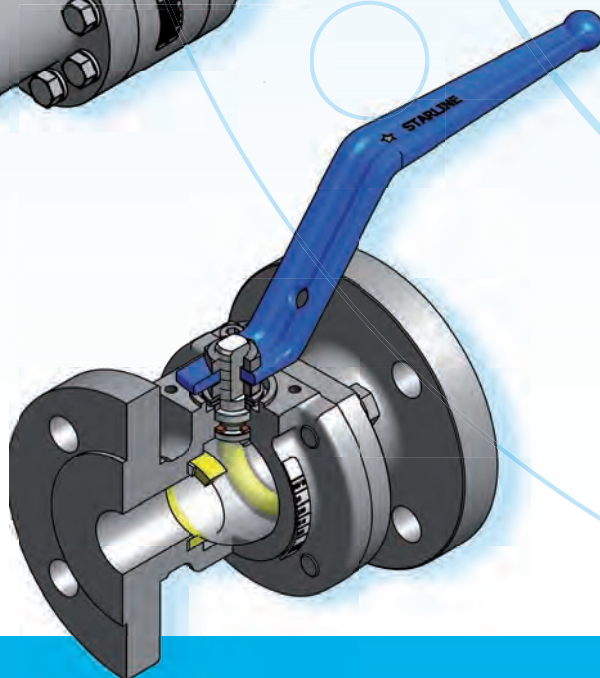
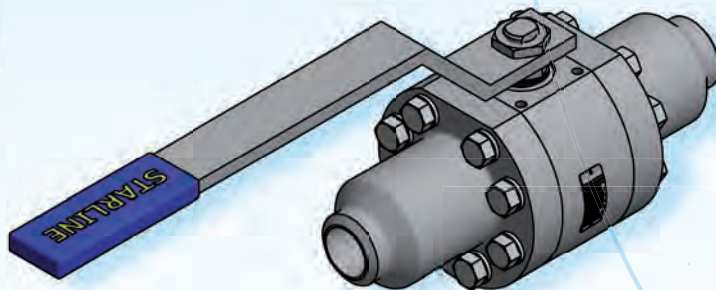
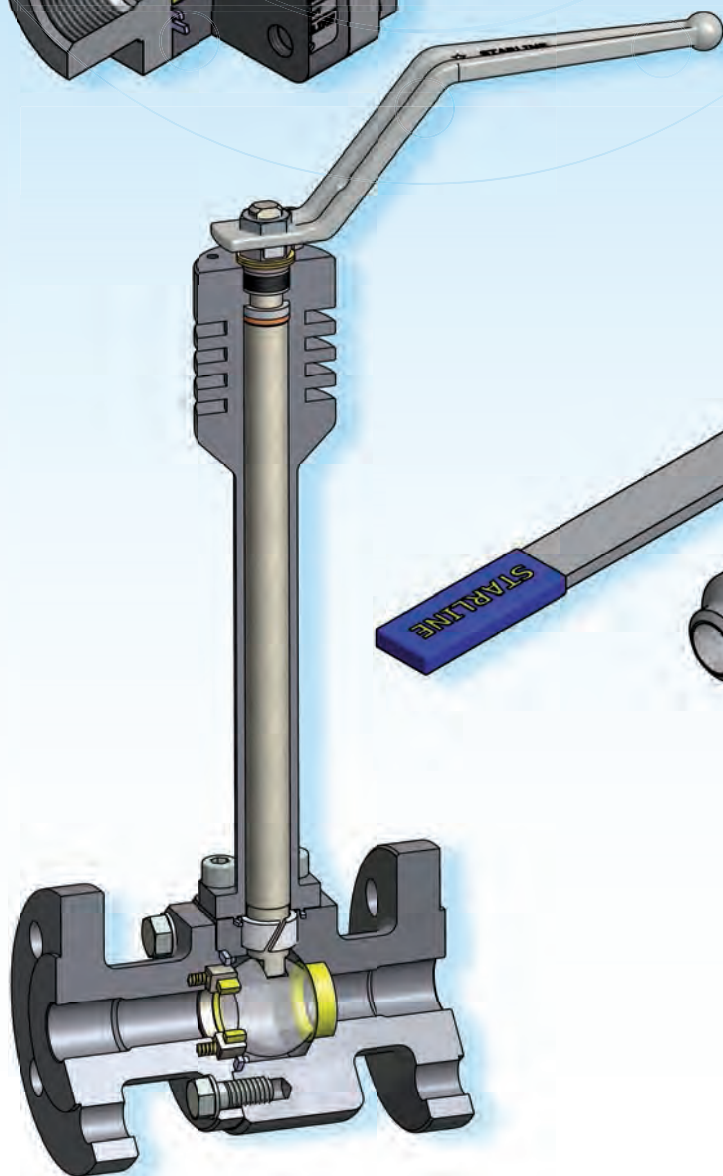
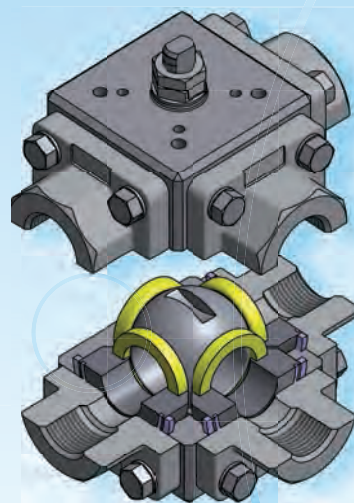
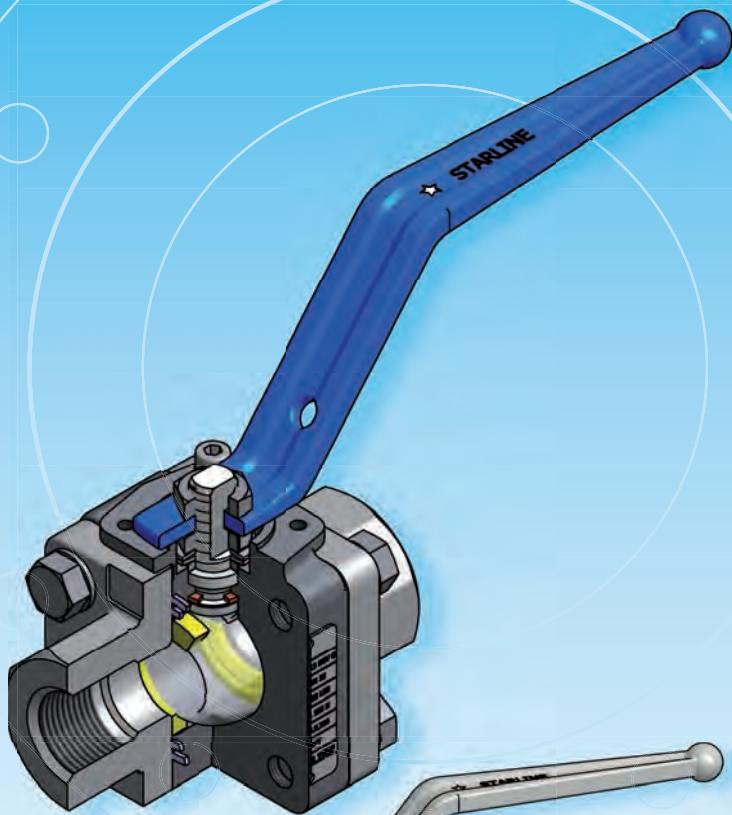
FLOATING BALL VALVES

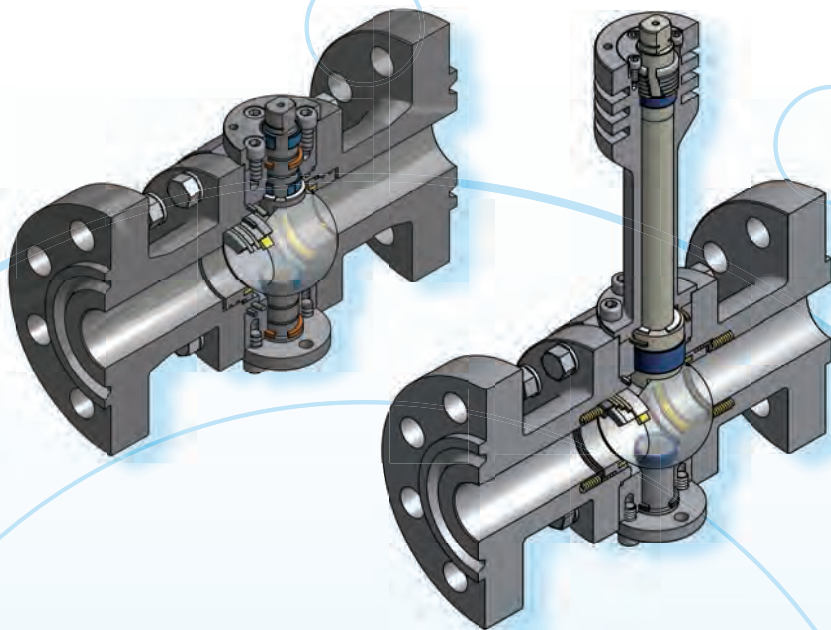
½" to 8" class 150 to 2500 depending on size.

FLOATING BALL FORGED STEEL ball valves 2 or 3 pieces bolted construction – FIRE SAFE tested and certified.

Materials ASTM A105/LF2 dual certified – A182 F316/316L – duplex, titanium and special alloys.

Fugitive emission ISO 15848-1 rate B in standard execution.





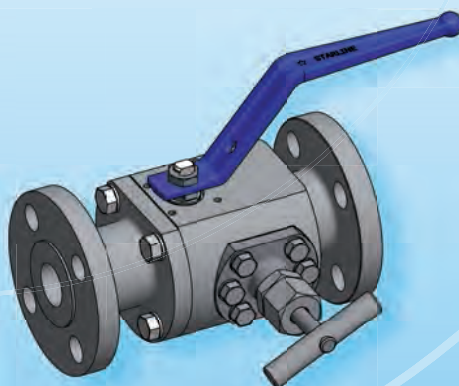
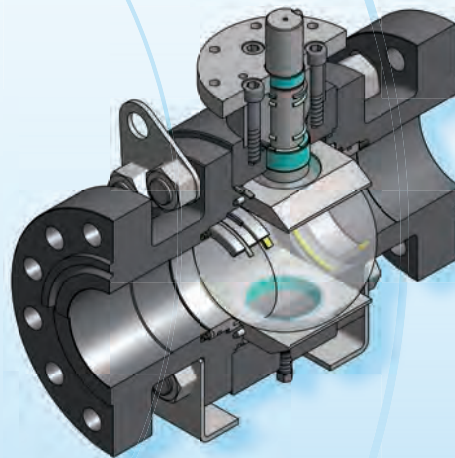
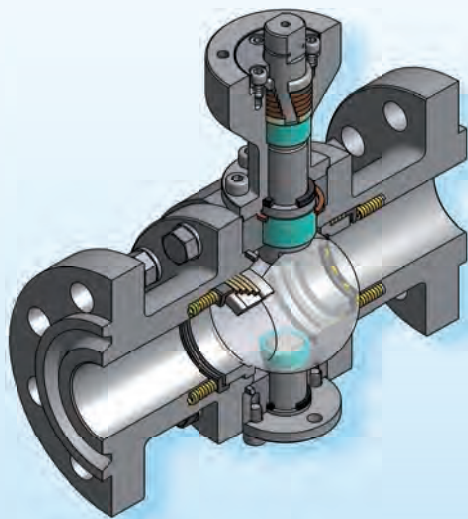
TRUNNION MOUNTED BALL VALVES

½" to 16" class 150 to 2500 - API 3000 - 5000 - 10000 - 15000

TRUNNION MOUNTED FORGED STEEL ball valves 2 or 3 pieces bolted construction – Double Block and Bleed – Single Piston Effect – Double Piston Effect - FIRE SAFE tested and certified.

Materials ASTM A105/LF2 dual certified – A182 F316/316L – duplex, titanium and special alloys.

Fugitive emission ISO 15848-1 rate B in standard execution.



SINGLE and DOUBLE BLOCK AND BLEED BALL VALVES

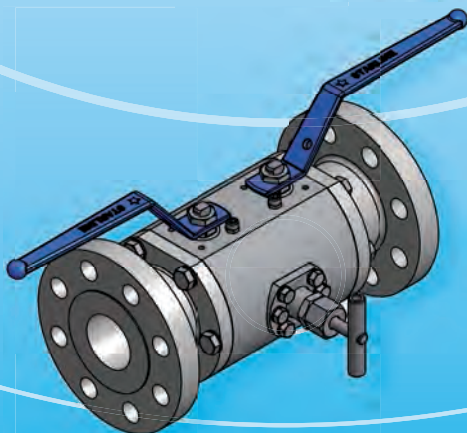
½" to 12" class 150 to 2500

1 13/16" to 7 1/16" API 3000 - 5000 - 10000 - 15000

FLOATING BALL and TRUNNION MOUNTED FORGED STEEL ball valves 2 or 3 pieces bolted construction – FIRE SAFE tested and certified – bolted needle valve fully protected – suitable for instrumentation, safety and chemical injection application

Materials ASTM A105/LF2 dual certified – A182 F316/316L – duplex, titanium and special alloys

Fugitive emission ISO 15848-1 rate B in standard execution





SALES ORGANIZATION



MAIN DISTRIBUTORS

Norway, Sweden, Denmark, Netherlands,
Belgium, Switzerland, Austria, Greece,
Brasil, Usa, Canada, Australia - New Zealand, South Africa,
UAE, Czech Republic, Slovakia, Poland, Spain,
Singapore, Romania, Oman, Saudi Arabia, Kuwait

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