



 **ENERGY**  
*VALVES*



## COMPANY PROFILE



Energy Valves is a recently incorporated specialist valve manufacturer, formed by highly knowledgeable and skilled valve experts, who's expertise is acquired through more than 30 years manufacturing experience of valves for chemical, petrochemical and oil&gas industries, - for both domestic and foreign markets.

Our company is located in the modern complex of PTB (Polo Tecnologico Brianza) in Desio, just few miles from Milan, well served by the near highway, railway and airports.

We strive to provide our customers the best and durable product at a competitive price and delivery time. Every care is taken to assure quality at the highest standard, where design, development and testing are the cornerstones of our business philosophy.

**Production, design and know-how are entirely made in Italy.**

**"ENERGY VALVES HAS IMPLEMENTED AND CERTIFIED ITS QUALITY ASSURANCE SYSTEM ACCORDING TO ISO 9001, GUARANTEEING THE HIGH QUALITY OF OUR PRODUCTS AND SERVICES"**

## PRODUCTION RANGE

The product range consists of high performance plug, floating ball and trunnion mounted ball valves, - made from carbon steel, stainless steel, titanium, superduplex, nickel, exotic alloys and copper alloys for:

- chemical and petrochemical plants
- refining and desalting plants
- oil and gas production-transportation

## SPECIAL EXECUTIONS

Metal to metal seated ball valves for abrasive service in floating and trunnion mounted execution, with tungsten carbide or stellite coating

- chemical service in ta-luft and epa 21 tested.
- fully jacketed ball valves with oversized flanged
- wafer ball valves standard and special execution - class 150/900 size 2" / 16"



**4" x 3" - 900 Ball valves  
4" - 900 DBB  
S.S. A182F316**



**4" - 900 Regular  
Plug Valves  
Superduplex**

· Ball valve double block&bleed:  
class 150-300-600-900-1500  
size 1/2" - 8"

· Trunnion side entry ball valves:  
class 150-300-600-900-1500-2500  
size 2" - 20"

· Manifold plug valves top entry:  
class 600-900-1500-2500  
size 2" - 8"

· Flush bottom tank valve plug type disc:  
class 150-900  
size 2" - 8"

· split body floating ball valves:  
class 150-300-600-900  
size 1/2" - 12"

· lubricated plug valve full round bore:  
class 600-900-1500-2500  
size 2" - 8"

· bottom outlet floating ball valves:  
class 150-300  
size 2" - 16"

nb. all valves if requested can be made in superduplex, titanium - incoloy® 625-825, monel®, bronze

## APPLICABLE STANDARDS

The following standards and codes are those governing design and manufacturing of Energy Valves' Ball Valves and Plug Valves. Other codes and standards may be considered upon request.

API - ANSI - ASME - ASTM - MSS - NACE  
UNI - ISO - BRITISH STANDARD

## TESTING

Energy Valves believes in the importance of the final tests of the product. Dimensional and Functional Controls are carried out on every valve; Pressure Test is performed following internal procedures and API 6D - API 598 - BS.6755

Prior to shipment the valves are tested on modern test benches, which will upon request issue detailed test diagrams.

All our valves are shipped with comprehensive material test certificates (MTC) according to 3.1 B, or other certificates, depending on client request.



6" - 900 regular ball valves  
c.s. A350 LF2



Vertical valve testbenches  
size 2"-24"



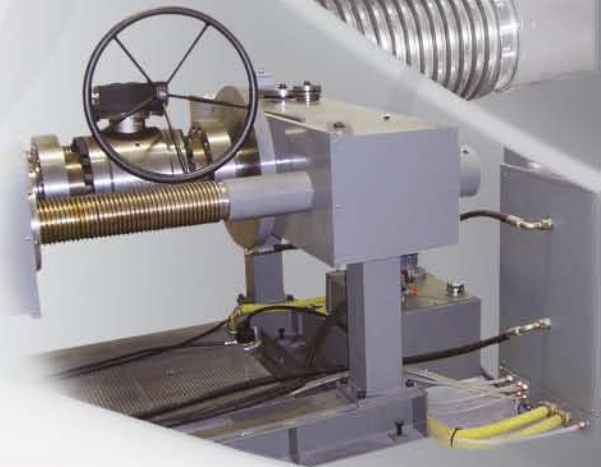
Ball valves 4"x3 - 900  
metal to metal sealing



Horizontal valve testbench



Components of ball valves 2" - 900  
superduplex A182 F51



## SPECIAL PRODUCTS

Thanks to the considerable experience gained in the design and manufacturing of valves, we are able to comply with almost any kind of valve requirement.

Please do not hesitate to contact us, mainly in case of special requirements, also for small batches.

- 3-way Ball and Plug Valves
- Bottom Valves, Ball or Disc type
- Ball, Plug or Bottom with heating jacket or fulljacket
- Double Block and Bleed Valves
- Valves in aluminium/bronze construction for seawater
- Valves in aluminium/bronze or special alloys for desalting plants
- Valves in nickel/aluminium/bronze for gaseous oxygen service



*Components ball valve  
bronze ASTM B148*



*Double block and bleed  
2" x 1/2" NPT - 1500  
Superduplex A 182 F51*



*Components  
ball valve*



*Double block  
and bleed  
4" - 900*



*3 Ways ball valves  
of various sizes  
of hastelloy® C22*

## SPECIAL ITEMS AND FEATURES

### - Extended Stem

Ball valves required for buried service or installations where access is restricted, can be fitted with suitable stem extensions. If required, drain lines can be piped to the top of extensions to grant an easier access.

### - Pups

Butt welding may be supplied with transition pieces (PUPS) to avoid any risk of seat damage during welding and post weld heat treatment operations. Length of pups and machining operation can be carried out on customer's demand.

### - Actuators

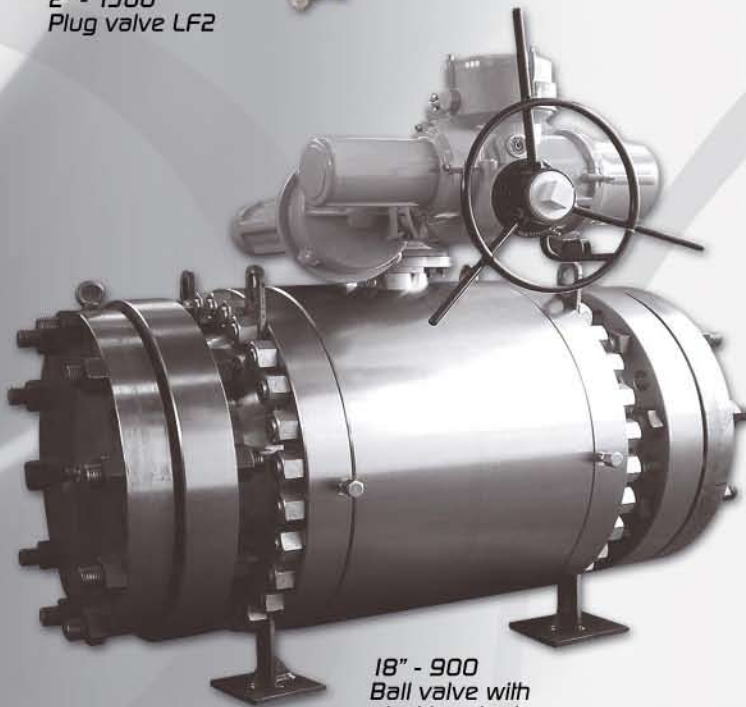
All valves can be fitted with a remote operated electric, pneumatic or hydraulic powered actuators. Energy Valves can assemble, set stops and functional tests prior to despatch.



6" - 2500  
Ball valve  
with pneumatic  
actuator



2" - 1500  
Plug valve LF2



18" - 900  
Ball valve with  
electric actuator



Floating Ball Valve  
with Pneumatic Actuator

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 Production, design and know-how  
are entirely **MADE IN ITALY.**