

ENERGY VALVES S.R.L. Italy a Socio Unico

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ENERGY
VALVES



DOUBLE BLOCK
AND BLEED VALVES

ENERGY VALVES

Energy Valves was founded in 2007 by engineers with over 30 years experience in the design and the construction of innovative valve technology.

Energy Valves is committed to providing its customers with world class quality products together with unrivalled service.

Our mission is to provide design, manufacture, testing and certification based on our client's needs and in accordance with any technical specification.

Supplying the finished product in accordance to your schedule is our goal.

The Energy Valves design and production facility is located close to Milan and it's fully ISO 9001 certified.

Our local supply chain enables the company to proudly claim that all of its products are made in Italy.



MANUFACTURING Plant



PRODUCT Range

1

In addition to valves designed in accordance with International standards such as API/ASME/ASTM, Energy Valves can design and create products that meet customer's specific requirements and provide solutions for difficult applications.

2

The technical department has access to a range of design systems including autocad and solidworks. In the event that designs are required to meet the most extreme conditions we can provide structural verifications by finite elements with the use of the Nastran application.

3

If the valve you require is not available as an existing design ENERGY VALVES can provide a custom-made design and production solution.

INTRODUCTION DBB VALVES

The complete range of Ball Valves and Plug Valves produced by Energy Valves can be realized with a 'Double Block & Bleed' configuration with two Balls/Plugs in the same body and the Needle Valve in the centre which could be suitable for both Instrumentation and Process. This design solution provides savings in weight, space and of course cost, all of which are increasingly important requirements for today's Industrial needs.

DBB BALL VALVES - DESIGN FEATURES

- Floating or trunnion mounted - full or reduced bore
- side entry or top entry design
- wafer body construction compact side entry
- firesafe - antistatic design and anti blowout stem
- soft or metal to metal seating - zero leakage
- bleed valve needle or ball type
- fugitive emission class b certificate
- very reduced dimensions and weight

DBB PLUG VALVES - DESIGN FEATURES

- Lubricated and non lubricated valves
- Metal to metal seating - zero leakage
- Top entry - field repairable
- Pressure balanced - lower torques
- Full port or reduced port
- Round port - low turbulence, pressure drop
- Bleed valve needle or plug type
- Firesafe - antistatic design and antiblowout stem
- Wrench, bar handle, worm gear or actuator operated
- Hard coated and treated with low friction ptfе/graphite coating to reduce friction coefficient and solves wedging problems
- Very reduced dimensions and weight

FLOATING

CONSTRUCTION:

- Bolted Body • Screwed Body
- Welded Body

SIZES:

- From ½" up to 10"

PRESSURE CLASSES:

- ANSI class from 150 to 2500 Lbs
- DIN class from PN10 to PN420

CONNECTIONS:

- Flanged ends • Screwed ends
- Welded ends • HUB ends

DESIGN:

- B16.34 – API6D – ISO 17292 – ASME VIII div.2 - EEMUA 182

TEST:

- Fire Safe acc.to ISO 10497 Ed. 2010 & API 6FA Ed.1999



TRUNNION

CONSTRUCTION:

- Bolted Body • Top entry
- Screwed Body • Welded Body

SIZES:

- From ½" up to 24"

PRESSURE CLASSES:

- ANSI class from 150 to 4500 Lbs
- DIN class from PN10 to PN420

CONNECTIONS:

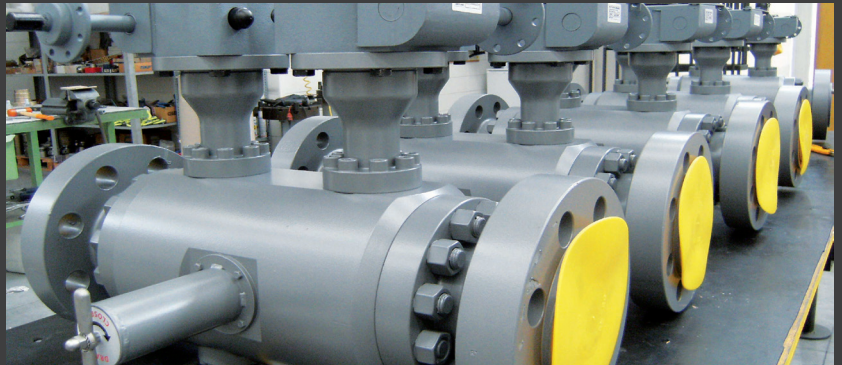
- Flanged ends • Screwed ends
- Welded ends • HUB ends

DESIGN:

- B16.34 – API6D – ISO 17292 – ASME VIII div.2 - EEMUA 182

TEST:

- Fire Safe acc.to ISO 10497 Ed. 2010 & API 6FA Ed.1999



PLUG VALVES

CONSTRUCTION:

- Lubricated standard type
- Lubricated inverted type
- Top entry diverted type

SIZES:

- From ½" up to 24"

PRESSURE CLASSES:

- ANSI class from 150 to 2500 Lbs
- DIN class from PN10 to PN420

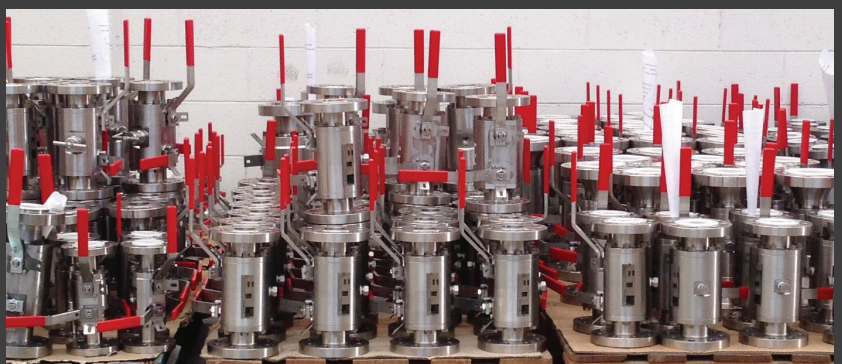
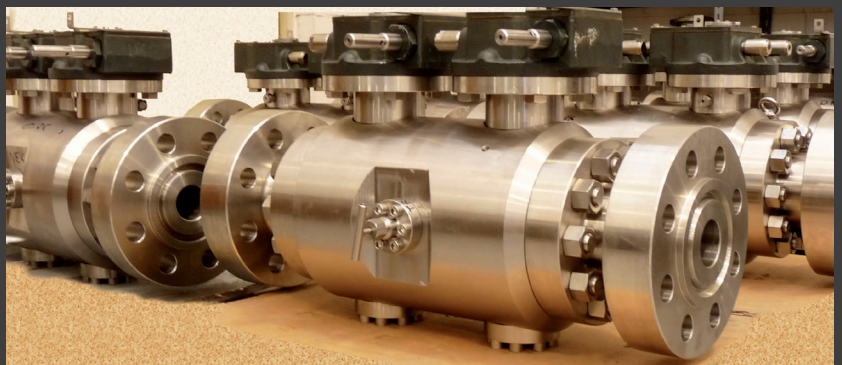
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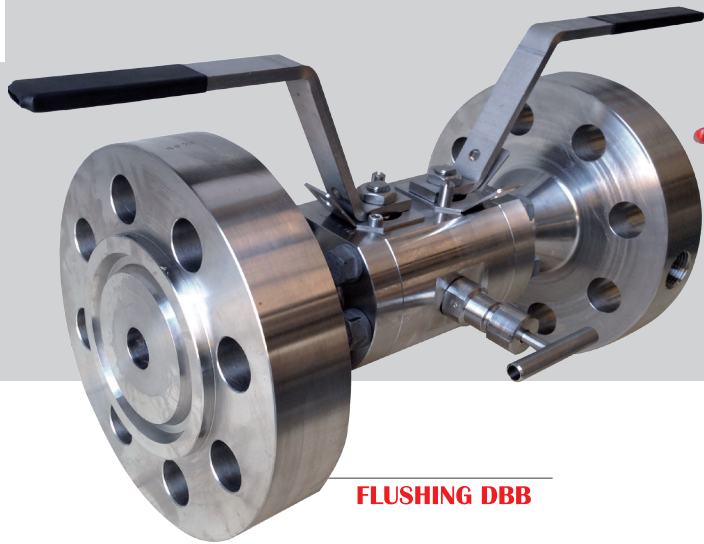
- Flanged ends • Screwed ends
- Welded ends • HUB ends

DESIGN:

- B16.34 – API6D – ISO 17292 – ASME VIII – API599 - EEMUA 182

- Fire Safe acc.to ISO 10497 Ed. 2010 & API 6FA Ed.1999

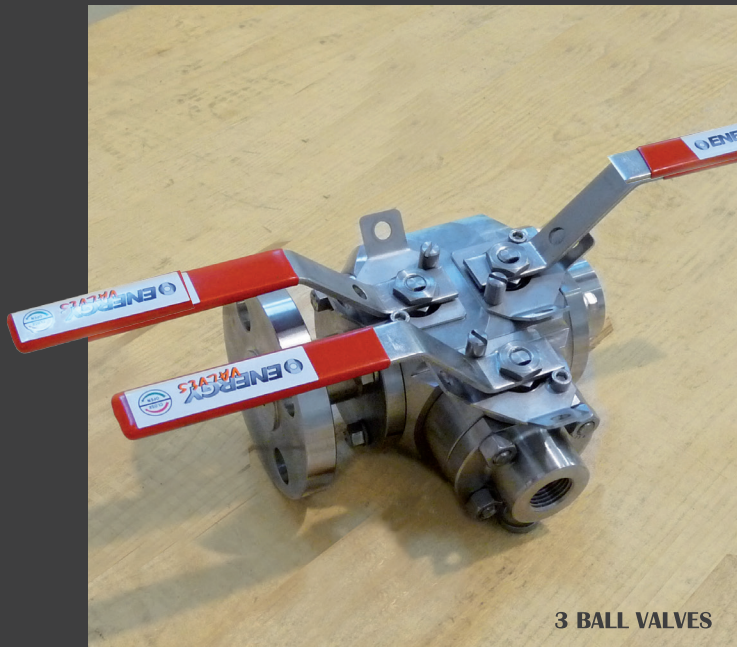




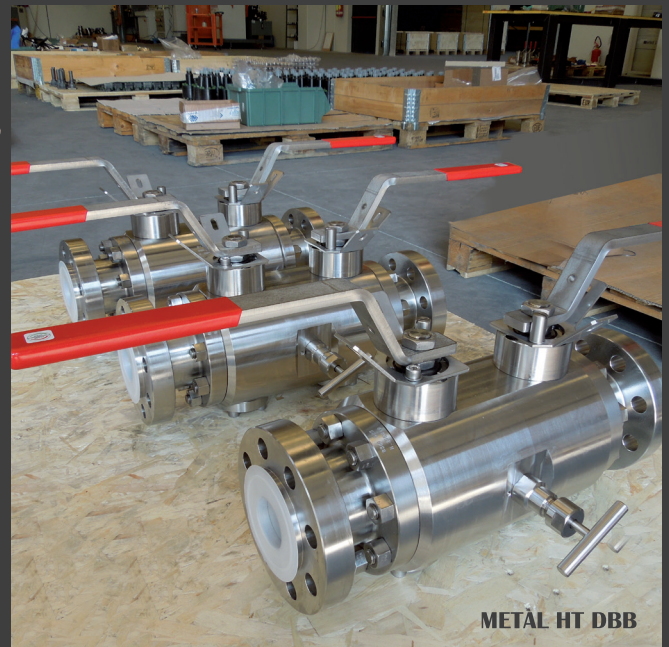
FLUSHING DBB



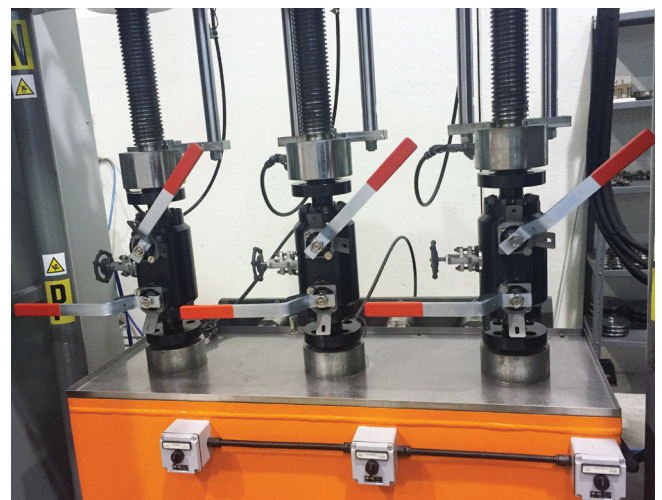
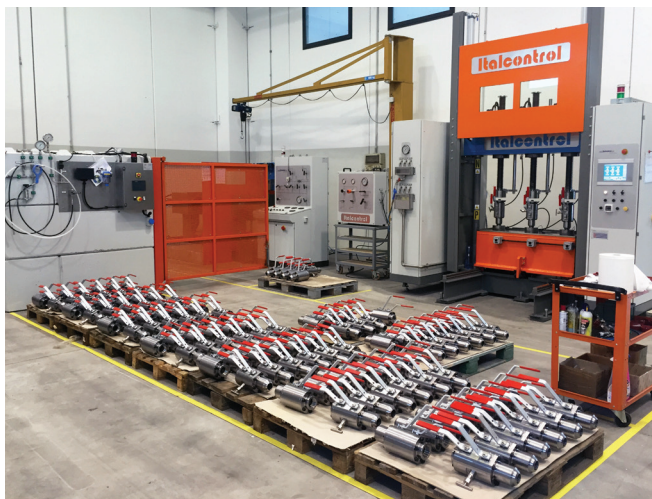
METAL HT DBB

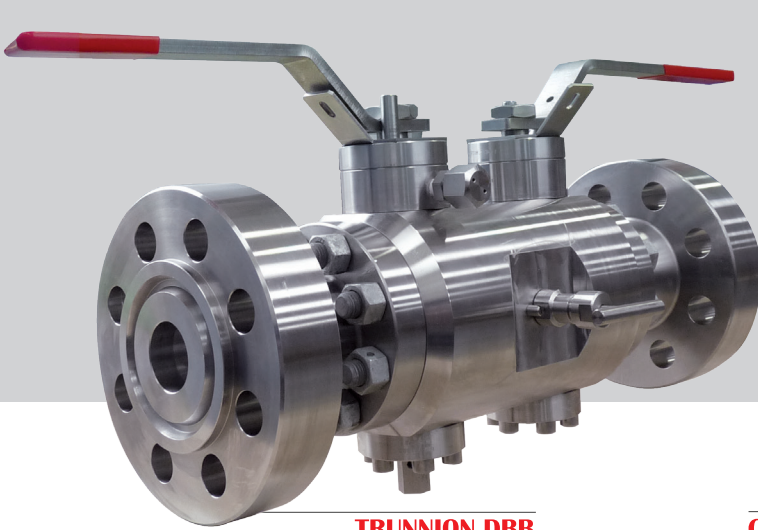


3 BALL VALVES

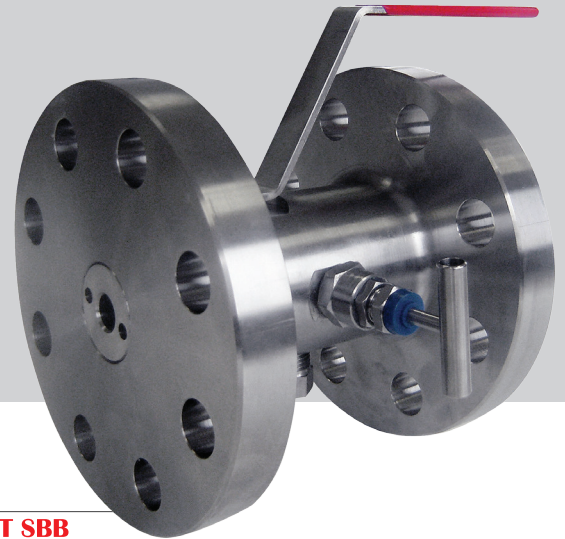


METAL HT DBB

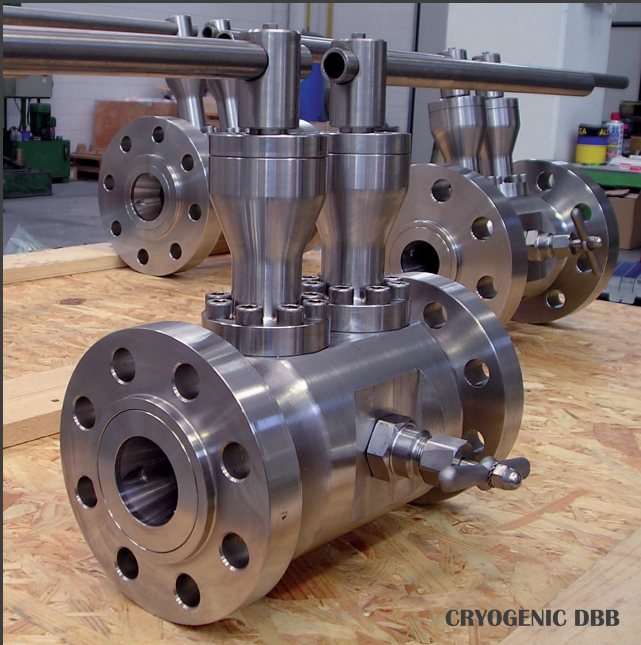




TRUNNION DBB



COMPACT SBB



CRYOGENIC DBB



HUB ENDS

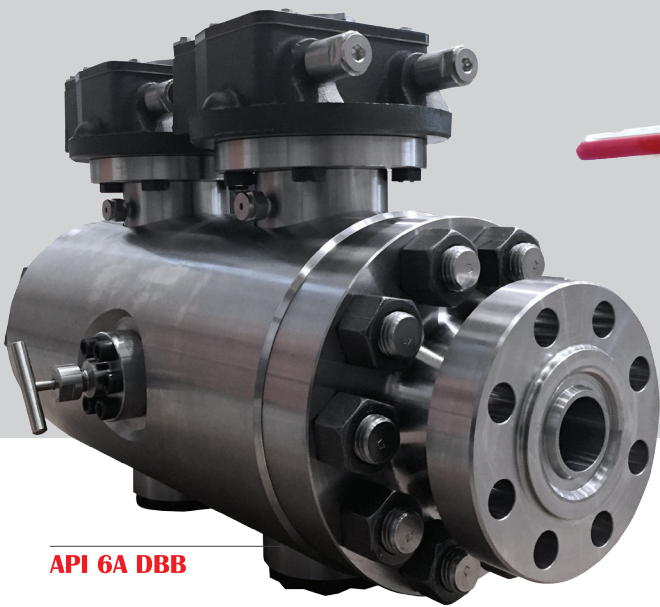
PRODUCT CERTIFICATION:

- ISO EN 10204 3.2
- Fire safe API 6FA & ISO 10497
- Fugitive Emission Test acc. to TA-LUFT EN ISO 15848-1-2

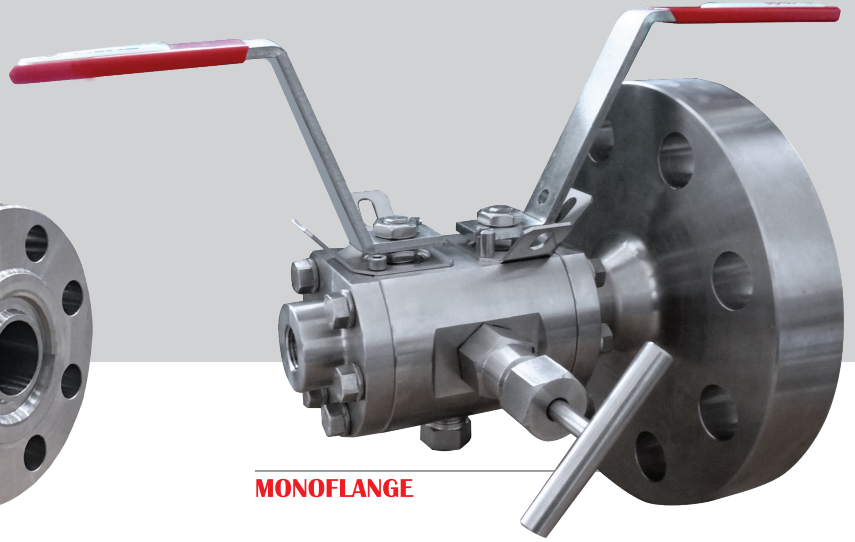


MATERIALS OF CONSTRUCTION:

- Carbon steel
- Stainless steel
- SMO, Duplex & Superduplex
- Exotic Alloy
 - Titanium
 - Bronze



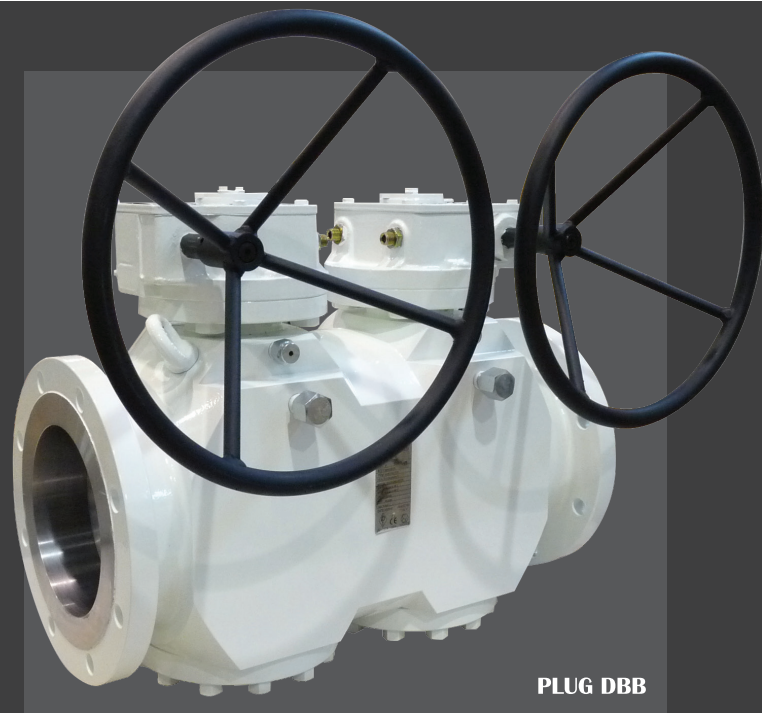
API 6A DBB



MONOFLANGE



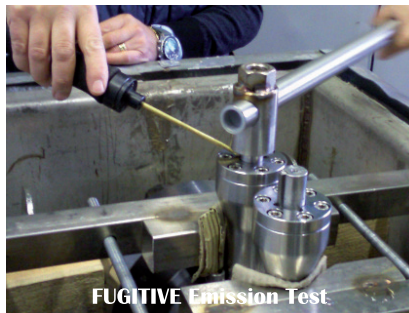
PLUG DBB



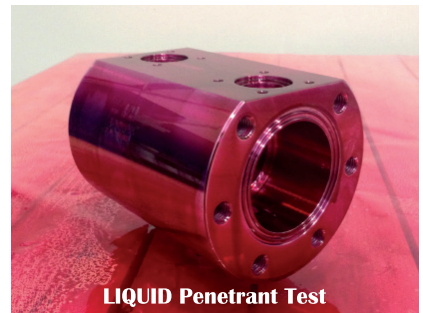
PLUG DBB



PRESSURE Test



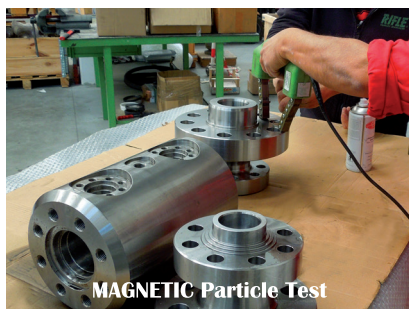
FUGITIVE Emission Test



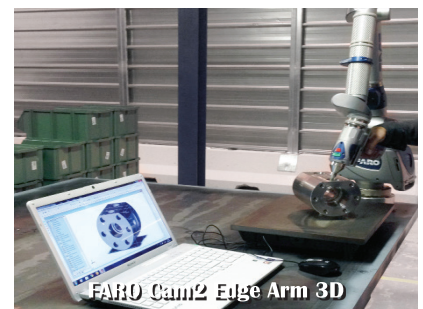
LIQUID Penetrant Test



POSITIVE Mat. Identification



MAGNETIC Particle Test



FARO Cam2 Edge Arm 3D