

DAFRAM S.p.A. is a specialised manufacturer of High Performance ball valves for Chemical, Petrochemical, Oil & Gas, Power Generation, OFF and ON-SHORE services with extensive experience in the most advanced sealing technologies

WORKSHOP

Because of continuous product development and modernisation, DAFRAM's workshop is constantly being renewed. It utilises the most advanced manufacturing technologies in valve component machining, drilling and testing.

Eleven modern, computer controlled lathes and seven machining centres ensure complete control over the entire manufacturing process.

Both vertical and horizontal testing machines, as well as two special machines which automatically detect the valves operating torques, allow DAFRAM's production to be 100% tested, controlled and certified before leaving our plant.

Standard testing for every valve is performed according to BS 6755 part 1 (floating ball valves), API 6D (TRUNNION mounted ball valves) and API 598. Other testing specifications or procedures may be followed upon customer request.

The castings used by DAFRAM are produced in sand and with a sophisticated REPLICAST moulding method by an innovative local foundry located on site. The "Moulding System" method used by the foundry, based on a special ceramic process, allows DAFRAM to supply high quality cast valves with excellent surface finish.

A special quality laboratory has been developed to perform all the main tests required by the valve industry, such as: a quantometer to define the chemical composition of 24 elements, dedicated machines to verify the Carbon content in Low Carbon alloys and the Oxygen and Nitrogen content in Super Nickel alloys. All most important Non Destructive Tests like X-RAYS, Ferrite Content Examination, Magnetic Particles Inspections, DPE & PMI, Corrosion Tests are available upon request.



QUALITY SYSTEM



DAFRAM Quality System is covered by the following certificates:

- ISO 9001:2000 by RINA, cert. N. 4/89
- API Spec. Q1

DAFRAM design and production processes are covered by the following certificates:

- API 6D, License N. 0265
- PED 97/23/EC by Bureau Veritas, cert. N. CE-PED-H-DAF001-01-ITA
- TRD 100 / HP 0 by TÜV, cert. N. 112309
- TA-Luft by TÜV, cert. N. 922-960157
- DIRECTIVE 94/9/EC (ATEX)
- SIL3 for functional safety

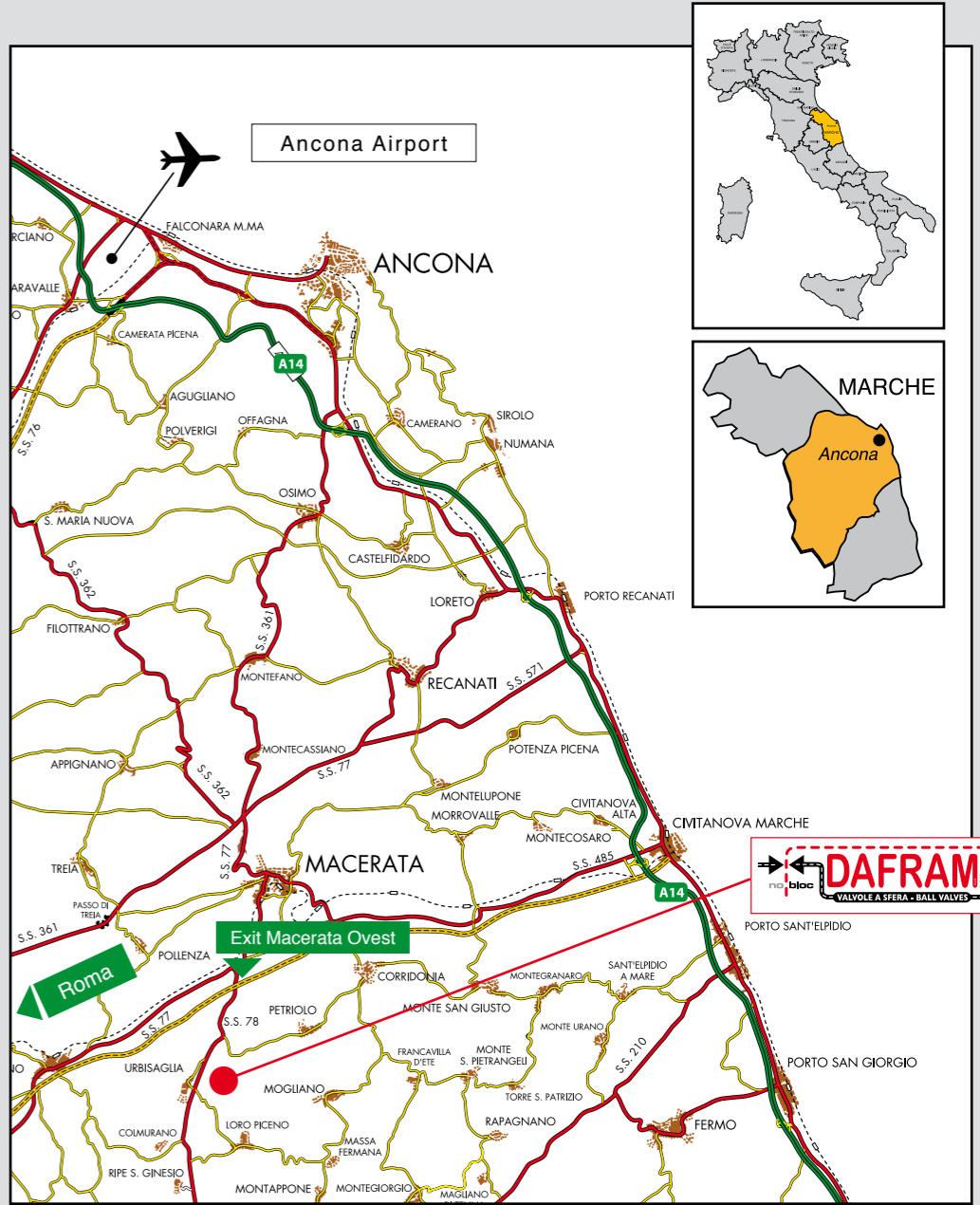
DAFRAM valves are pressure tested according to:

- API 6D
- API 598
- BS 6755 Part 1
- EN 12266-1

and Fire Safe tested and certified according to:

- API 607 5th Edition
- BS 6755 Part 2
- ISO 10497
- API 6FA

DAFRAM S.p.A. is member of the Italian Valve Association AVR and qualified to its standard Q AVR rules



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DAFRAM fire-safe ball valves

The right choice for high performance and critical applications



COMPANY PROFILE

DAFRAM S.p.A., founded in 1956, was the first company to manufacture floating ball valves in Italy. The long experience gathered during more than 50 years of activity ensures that DAFRAM are one of the most famous and competitive companies in the world.

DAFRAM's factory is located in Urbisaglia (Macerata), the centre of Italy on an industrial complex covering 32.000 square meters, 12.000 of which are covered workshops. The factory consists of commercial, technical and engineering offices and of two extremely modern workshops the latest of which, 4200 square meters, 10 meters high, completed in February 2008, allows the production, assembly, testing, sandblasting and painting of ball valves up to extremely large sizes and weights.

The DAFRAM design and production staff includes highly qualified engineers with a long experience in all technical standards and meeting customer's special requirements. Modern design methods are employed to analyse specific stresses and deformation limits of valve bodies and main valve components.

The manufacturing process is continually improved and changed using the most advanced manufacturing technologies such as: multi-function machining centers and several computer controlled lathes.

Special testing centers are used for testing of all products and are specifically used for high pressure and large size TRUNNION MOUNTED valves. Both vertical and horizontal testing machines as well as equipment used to determine valve operating torques, testing valves at low and high temperatures, allow DAFRAM's prototypes to be checked and verified on site and 100% of production to be tested, checked and certified before leaving DAFRAM's plant.

PRODUCTS and SERVICE

The range consists exclusively of TOP QUALITY BALL VALVES for high performance and critical applications in FLOATING, TRUNNION MOUNTED and special configurations, size 1/4" to 36", 150lbs to 2500lbs, PN10 to PN450, FULL and REDUCED bore, in Carbon Steel, Stainless Steel, Nickel and exotic alloys, for the following services:

Chemical, Petrochemical, Refining, Pharmaceutical, Food industry, Power and co-generation plants, Desalting units, Pulp and Paper industry, Ship building (Chemical, LPG, LNG - DNV, ABS approved), ON-shore & OFF-shore OIL and GAS production, ON-shore OIL and GAS pipelines, OIL and GAS storage, Transportation and Gathering Systems, Gas re-injection plants, Gas treatment plants, LPG and LNG production storage and transportation.

Special products covering the entire pressure range are available for use in special services, such as:

- BALL VALVES with PTFE STEM PACKING for AGGRESSIVE CHEMICAL SERVICE without O-RINGS in TA-LUFT and Fire Safe BS 6755 part 2 executions
- METAL SEATED ball valves for both ABRASIVE and HIGH TEMPERATURE
- CRYOGENIC ball valves with special STEM EXTENSION
- FULLY JACKETED ball valves with oversize flanges
- TOP ENTRY ball valves
- FULLY WELDED ball valves
- LOW EMISSIONS ball valves, TA-LUFT certified and HELIUM tested both to VACUUM and to SNIFFER methods



