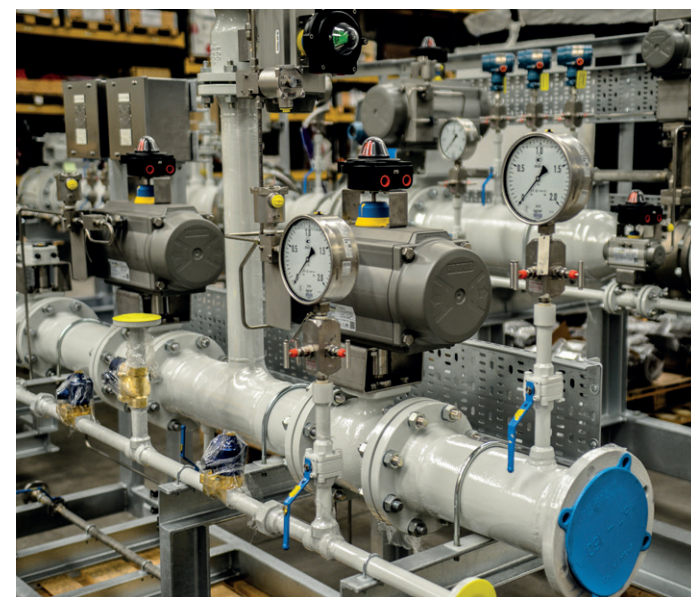


About us



Technical Valve Services is the AC Valve Alliance Group's design, manufacturing and engineering division and has the expertise to deal with industry's ever-increasing technical demands. Additional and more stringent valve testing is often required, which can include fugitive emission, high pressure gas, low/ high temperature or fire testing. They also have the expertise to re-engineer valves to meet specific technical or service requirements and to achieve a fast track delivery.



One of AC Valve Alliances' key strategies has been to invest in their people and enhanced workshop facilities which enable the Group to provide a more flexible and rapid response for a wide range of engineering services. This sets AC Valve Alliance apart as we can quickly satisfy specific customer requirements within our own facility and under our own ISO9001 quality control system.

Technical Valve Services has recently launched a new range of UK designed and manufactured floating ball, trunnion mounted and top entry ball valves for severe services and can supply these products as a fast track item or to specific project or site specifications.

Please contact:

T: + 44 (0)1530 275 627

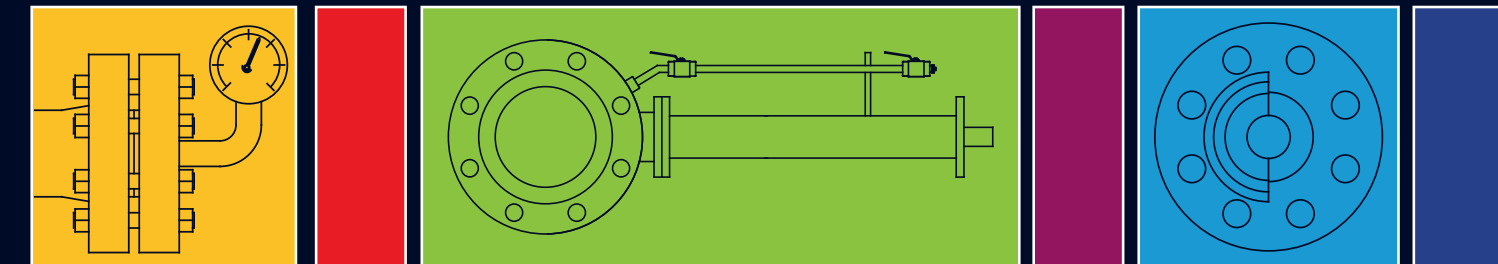
E: tvsv@acvalvealliance.com



ac valve alliance, Unit 6, Interlink Way South, Bardon Hill,
Coalville, Leicestershire, LE67 1PH, United Kingdom
T: +44 (0)1530 832 832 **E:** sales@acvalvealliance.com **W:** acvalvealliance.com



Technical Valve Services



Specialist valve engineering and manufacturing solutions.

Valve Modification

The Technical Valve Services team has a wealth of experience in the valve industry from design engineering to production and sales in both valve manufacturing and distribution. This expertise is used by the AC Valve Alliance Group companies to provide greater flexibility to its customers with the ability to completely re-engineer stock or bought-in products to suit specific technical requirements or site demands.

Working with our principal suppliers we hold a comprehensive range of OEM spare parts and have the ability to specify and hold stocks of upgrade materials and components to satisfy a wide range of technical requirements. We currently stock around 25 grades of O’Rings such as Vermilion®, Kalrez® and Aflas®. Our workshop provides full after-market support for our products in repair, refurbishment and retesting.



Testing



To fulfil increasing industry demands for more stringent product verification, Technical Valve Services has full in-house test facilities which provides hydrostatic, pneumatic, fugitive emission (helium) and high-pressure nitrogen gas testing at low, ambient and high temperatures. With a strong focus on safety, our new in-house designed test cells feature high strength safety doors and remote 4K CCTV monitoring. This allows any valve to be re-tested to meet particular customer or project specifications and provides the possibility of client and third-party witness inspection.

With our in-house fire-test facility we carry out fire testing to the latest international standards across a wide range of valve types for a number

of leading manufacturers and customers. We can perform fire tests on valve sizes from ½” to 8” class 150 up to class 1500 in accordance with the requirements of BS EN 10497, API 607, API 6FA and API 6FD latest editions. Valves outside this range can be accommodated and we are always happy to discuss any specific, special requirements.

With increasing global climate change concerns we are also able to carry out fugitive emission testing to verify the performance of a variety of valve types. Utilising a state-of-the-art Leybold Phoenix Quadro™ we are able to carry out helium leak detection for both production and prototype testing. With the ability to test at pressures up to 400 Bar we can satisfy the requirements of ISO 15848-2, Shell SPE 77/312 plus many more.

A full range of Non-Destructive examination is available along with Positive Material Identification (PMI) allowing us to confirm the integrity of material and valves supplied.

UK Designed Severe Service Ball Valves

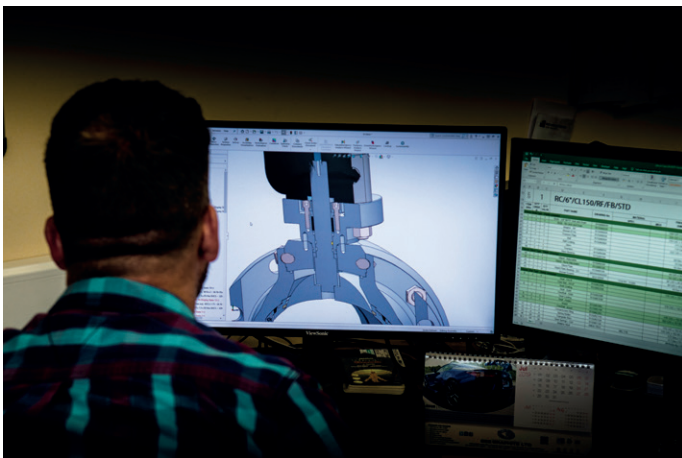
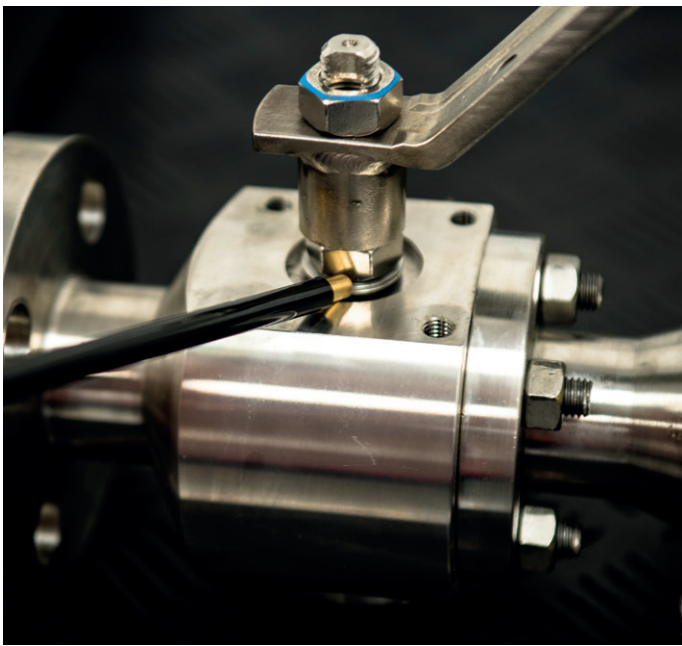
At our site in Coalville, Technical Valve Services designs and manufactures a range of ball valves for severe service, under the current strict quality controls that the Group has in place according to ISO 9001: 2015 Pressure Equipment Directive (PED Module H), API6D and ANSI B16.34.

The product design is based on extensive engineering experience and is a completely new UK design concept which is manufactured from 100% Western European materials.

With a construction that comprises high interchangeability of modular components, designed to operate with graphite seals alone.

The standard design also includes full metal bearings, interchangeable soft and metal seats and a wide range of seal configurations for high and low temperature applications.

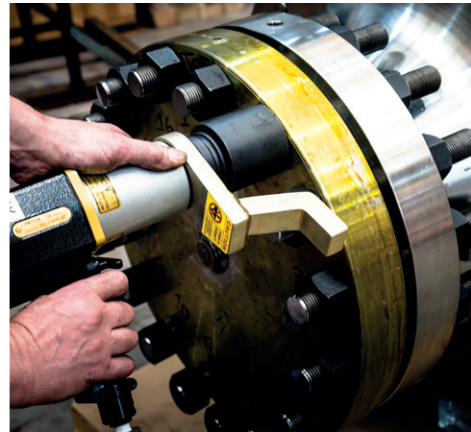
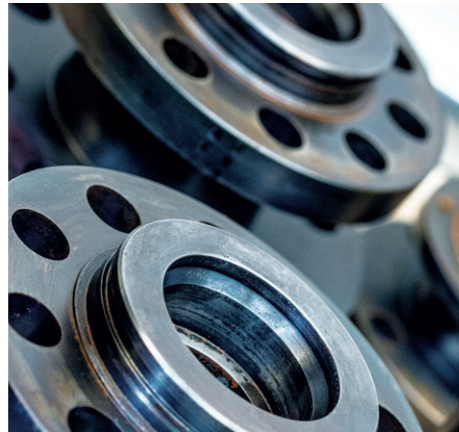
The entire range is designed utilising SolidWorks™ software which allows for full finite element analysis, backed up with a full design verification calculation package to allow rapid design of alternative configurations.



Fast Track UK Supply

Fast-Track products are manufactured from ½” to 12” ANSI 150 to ANSI 2500 in floating ball and trunnion mounted, side entry, two and three-piece designs. These can also be manufactured as Double Block & Bleed (Twin Ball) and with pressure retaining, extended, bonnets. Operating temperature -196°C to +550°C. Manufactured from a range of materials in either bar or forgings including;

- A350 LF2
- 316ss
- Duplex
- Super Duplex
- Alloy 625
- Hastelloy
- Plus, many more...



Bespoke Valve Designs

Our in-house design team offer specific manufactured solutions tailored to meet a range of issues that might include;

- Small volume/special requirements or materials
- Obsolete product replacement
- Special Face-to-Face lengths (preventing costly pipe modifications)
- Application solutions to improve valve performance
- Design innovation and product development
- Special certification and test verification including 3.2 certificates
- Raw material origin restrictions
- Design for easy maintenance and reduced down time
- Top Entry design eliminates the need for special tooling by including an innovative cartridge design

