

Factory Acceptance Test Service

FAT Test Definition

The Factory Acceptance Test (FAT) is a process that evaluates the equipment during and after the assembly process by verifying that it is built and operating in accordance with design specifications.

FAT ensures that the components and controls are working properly according to the functionality of the equipment itself. As the name suggests, this testing is performed at the factory.

FAT is typically conducted in order to assess any discrepancies and non-conformities, as well as develop a process for how they are to be handled. Deviations or abnormalities observed during testing are promptly corrected prior to shipment. The FAT is a customized testing procedure for all different types of valves and supplied products and the tests are executed before the final delivery.

FAT must be conducted in a thorough and forthright manner. A poor or rushed FAT can lead to missed non-conformities, which can only then be corrected after the equipment is installed—which in turn can wreak havoc on a project schedule.

Factory Acceptance Testing Requirements

FATs are beneficial not just for the buyer and end users but for the manufacturer as well. Both parties can be assured that the equipment meets all the contractual specifications and any issues can be addressed before arriving at the customer's site. Rectifying issues while the items are still in the possession of the manufacturer helps to keep the project on track and within budget. FATs almost always save time and money over fixing issues in the field.

Our broad factory acceptance test is the most profitable way to ensure that your products operate correctly. As a highly qualified valve manufacturer, we have the trusted skills and resources to perform steadfast testing. As per client's request we can also provide FAT tests made at the presence of external supervisors, thanks to our yearly dialogue and partnership with independent third-party inspection entities.

The highest quality of our product is always a top concern for us in order to guarantee you that all valves, actuators and related products are functioning the way they should, and within the full range of operating specifications.

Factory Acceptance Test helps the customer to:

- Achieve independent proof of functionality, quality and integrity with our comprehensive checking process
- Verify all important documents and technical requirements
- Ensure that your product performs as expected under the testable range of likely conditions

Pricing List

According to our ISO9001 – ISO14001 – ISO18001 Certifications, we provide the following FAT service which include:

SERVICE TYPE	DESCRIPTION	TOTAL COST
FACILITY	- Company Warehouse	600 €*
LOGISTIC	- No. 1 Electric Forklift (max 8 ton) - No. 1 Electric Forklift (max 3,5 ton) - Lifting Crane (max 500 kg)	
INSTRUMENTATION	- Pressure Pumps (max 120 bar) - Flanges & Counterflanges - Nuts & Bolts - Certified Manometer - Computer Graphic Pressure Analyzer System - Coating Thickness Analyzer - Hydraulic Bolt Tensioner - Certified Lifting Belts - Personal Protecting Equipment	
STAFF	- No. 1 Technician (8 Hours/Day)	
DOCUMENTATION	- Test Report - Test Videos & Photos	
TEST	- Product Tests according to UNI EN 11266 - Product Tests according to UNI EN 10204 3.1 - Product Tests according to API598	

*N.B. Whether tests with specific equipment not listed in the offer or Third Party Inspector's attendance (TÜV Nord, TÜV Sud, TÜV Rheinland, DNV etc.) is required, we can convene the external Technician/Inspector, who will be charged back to the customer at the technician's/inspector's commercial cost with a 15% handling charge for our internal documentation management