Bureau Veritas
Services

BUREAU VERITAS
Move Forward with Confidence

Inspections and Audits for Boilers and Pressure Vessels

ASME, PED, IBR compliance - a passport to key markets

BUSINESS CHALLENGE

In most countries, manufacturers of boilers and pressure vessels must comply with very strict regulations and codes in order to market their equipment. This is their "license to operate". In Europe, USA and India, boilers and pressure vessels must comply with respectively the Pressure Equipment Directive (PED), the ASME code and the Indian Boiler Regulation (IBR). The boiler and pressure vessel equipment must be certified by an independent notified body to ensure compliance with all regulations.

SOLUTION

What are Inspections and Audits for Boilers and Pressure Vessels?

Bureau Veritas' boilers and pressure vessels inspections and audits adhere to international regulations and technical specifications. These inspections and audits establish the requirements for:

- Manufacturer certification
- Quality assurance
- Equipment design
- Materials used for manufacturing equipment
- Component manufacturing
- Assembly
- Final testing

In Europe, countries such as France, Spain, Italy, UK, the Netherlands, Portugal, etc. notify Bureau Veritas for all types of equipment. And only one country notification is required to be allowed to deliver notified body services worldwide. In addition, Bureau Veritas is recognized as an "Authorized Inspection Agency" under the name of OneCis (a subsidiary) in the USA, and is recognized in India as a "Competent Authority" and an "Inspecting Authority".

What are the key benefits?

With Bureau Veritas being established globally as a notified body, boiler and pressure vessel manufacturers can benefit from a "one-stop shopping" solution. They can get comprehensive statutory services across their whole supply chain – from design and manufacturing to on-site assembly –, which is key to ensuring reliable and efficient compliance.

WHY CHOOSE BUREAU VERITAS ?

- Notified and recognized by most industrial countries.
- Knowledge of how to apply cost effectively the different regulations and codes.
- Design review services performed by specialized Technical Centers, located in close proximity to manufacturers' headquarters (France, UK, Germany, Italy, USA, China...).
- A network of qualified inspectors able to check boilers and pressure vessels in 60 countries.
- A world leader in ISO 9001 certification, Bureau Veritas can assist manufacturers in implementing a global quality program which leads to ISO 9001 certification.
- Bureau Veritas offers true independent inspection services as it is not involved in the design, construction, marketing or maintenance of boilers and pressure vessels.

RELATED SERVICES

- Design review
- Welding operation qualification
- Shop inspections
- In-service regulatory verification of pressure vessels
- ISO 9001 quality certification

Move Forward with Confidence

OUR APPROACH

- Services are delivered by highly qualified and trained engineers.
- A centralized project management team supports field teams throughout services delivery.
- A reliable web-based data gathering tool is used for reports and certification.

FAQ

What are the statutory requirements in the USA?
The ASME code is essential for North American certification (required in most 50 US states, plus 12 Canadian provinces). It also holds global significance, being accepted in more than 112 countries, used as construction code for compliance with the European Pressure Equipment Directive, and as a contractual requirement for global Plant Engineering.

The requirements under ASME code include:

- Steam boilers and pressure vessels over 1 bar and a cross section of more than 152.4 mm.
- High temperature hot water boiler (over 11 bar and/or over 121 °C).
- Miniature boilers and electric boilers, which require a manufacturer certification by ASME and inspection by the Authorized Inspection Agency.

CLIENT REFERENCES

- Air Liquide
- Alstom Power
- Alfa Laval
- Babcock
- Belleli
- Cegelec
- Dresser
- Endel
- Faber
- Foster Wheeler
- Gaz de France
- General Electric
- Kitz
- Kobe Steel
- Kvaerder
- Linde
- MAN
- Schlumberger
- Olaer
- Roth
- Solvay
- Statoil
- Total
- Technip
- Tissot
- Velan
- Worthington

CONTACT

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