

ASME SECTION VIII COMPLIANCE: ★ WHAT YOU NEED TO KNOW ★

WHAT IS ASME SECTION VIII?

ASME Section VIII is dedicated to giving detailed requirements for the design, fabrication, inspection, certification, and testing of both unfired and fired pressure vessels, especially those that operate at pressures exceeding 15 psi.

WHAT ARE THE REQUIREMENTS IN ASME SECTION VIII?

In Section VIII of the ASME code, there are three divisions that cover different vessel specifications, including:

01

Division One

This section provides mandatory and non-mandatory appendices detailing criteria for design, non-destructive techniques for examination, and acceptance standards for inspecting pressure vessels. It also details rules for use of single ASME certification marks with U, UV, and UM designators.

02

Division Two

This section allows for higher stress intensity values but with a more rigorous set of standards than Division One. Division Two contains rules for design, materials, and nondestructive examination techniques for pressure vessels. These rules can be applied for human occupancy pressure vessels, primarily for the diving industry. Division Two also details rules for use of single ASME certification marks with UV and U2 designators.

03

Division Three

This section provides a set of rules for internal or external operating pressures exceeding 10,000 psi. There are no minimum or maximum pressure limits set in Division Three, and it details rules for use of single ASME certification marks with UV3 and U3 designators.

WHAT ARE THE ADVANTAGES OF SECTION VIII COMPLIANCE?


ASME Section VIII benefits users, manufacturers, constructors, designers, and others by providing highly detailed requirements for fired or unfired pressure vessel design, fabrication, assembly, erection, inspection, testing, and certification. These requirements can be applied to various materials and fabrication processes, including welding, brazing, and forging. Using Section VIII codes ensures compliance with local regulations while achieving cost, safety, and operational benefits gained by following industry best practices.

If you have any questions about our ASME Section VIII compliant products, contact us today.



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