

REACTOR PRESSURE VESSEL

Manufacturing of Reactor Pressure Vessels for Nuclear Power Plants

Framatome Saint-Marcel is the manufacturer of reference for the Primary Loop Components

Challenge

Reactor Pressure Vessel including its Cover Head is a High Integrity and Nuclear Safety related Component which meets the requirements of applicable construction codes and regulations. The conformity has to be demonstrated at each step of manufacturing

Solution

Framatome's Saint Marcel plant manufactures primary loop components with the highest level of safety and quality standards. From design specifications to delivery all over the world, Framatome serves Nuclear Power Plants of all sizes. Capacities are able for defense and navy activities.

Competitive solution in quality thanks to:

- Large industrial capacity of workshops
- ISO and ASME certified Quality Assurance System
- Manufacturing Engineering
- Efficient Supply Chain with a large panel of qualified sub-contractors and suppliers
- In-house production of forged parts
- Expertise in key competences and qualified staff
- Certified ISO 17025 Laboratory
- Expertise in worldwide shipment

Customer benefits

- Safety and Quality Conformity
- Internationally trusted supplier with a proven experience
- Flexible and large industrial capacity dedicated to Reactor Pressure Vessels
- A plant managing the whole process (engineering, procurement, manufacturing and transportation)



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Technical informations

Reactor Pressure Vessels for a wide range of Nuclear Power Plants from 900 MWe to 1650 MWe

Height 12 – 13 m
Diameter 4 – 5,5 m
Weight 310 – 530 t

Pressure 150 bars
Temperature 350°C

Construction codes : RCC, ASME
Regulations : ESPN, YVL

Key figures

45 years of experience in manufacturing of heavy components for nuclear industry

76 Reactor Pressure Vessels Manufactured and Delivered by Saint-Marcel Plant since 1975

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is our everyday commitment**