

Glossary

Core Shroud

The cylinder-shaped structure made of stainless steel which is arranged to surround the core in the RPV (Reactor Pressure Vessel). The shroud separates the flow of the cooling water inside the reactor.

Shroud Head Bolt

The bolts used to fix the shroud head installed in the RPV. (Number : 26, Length : approximately 5m, Diameter : approximately 7cm, Material : nickel based alloy NCF600)

Steam Dryer

The stainless steel structure installed in the RPV. The steam dryer removes moisture from the steam generated in the core.

Access Hole Cover

The cover for closing the opening on a baffle plate, through which a worker can access the inside of the RPV under construction.

Core Spray Sparger

A water pipe made of stainless steel, which is a part of the core spray system, which supplies cooling water in the core in case of a LOCA (loss of coolant accident) and is installed on the upper part of inside of core shroud.

Jet Pump

This pump type uses high-pressure water spouted from a nozzle as the source of its drive. The high-pressure water spouted from a nozzle sucks in the surrounding water, and supplies cooling water to the core.

Riser Pipe

A pipe, which is a part of the jet pump, supplies the jet pump with cooling water sent from the recirculation pump.

Wedge

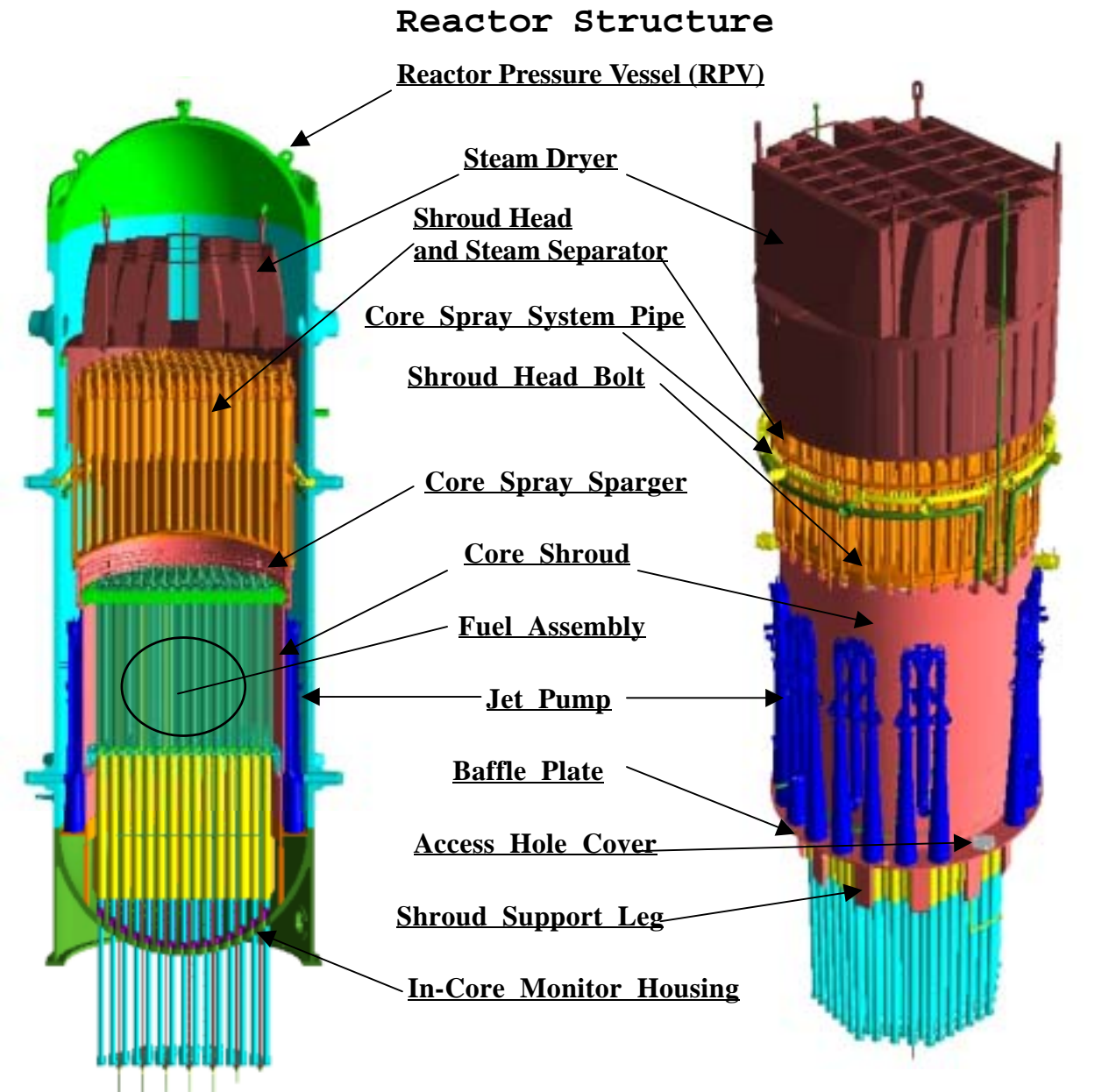
A wedge supports the inlet mixer, which pipes cooling water to the core.

Sensing Line (pipe for measuring)

A pipe that measures the flow amount of the jet pump, by measuring the difference of pressure between the upper part and the exit of the diffuser.

In-Core Monitor Housing

An In-Core Monitor is the instrument which measures the quantity of the neutrons in the core and penetrates the RPV bottom head. An In-Core Monitor Housing consists of a tube, made of stainless steel, to wrap the ICM, and is welded to the RPV bottom head.



Jet Pump Structure

