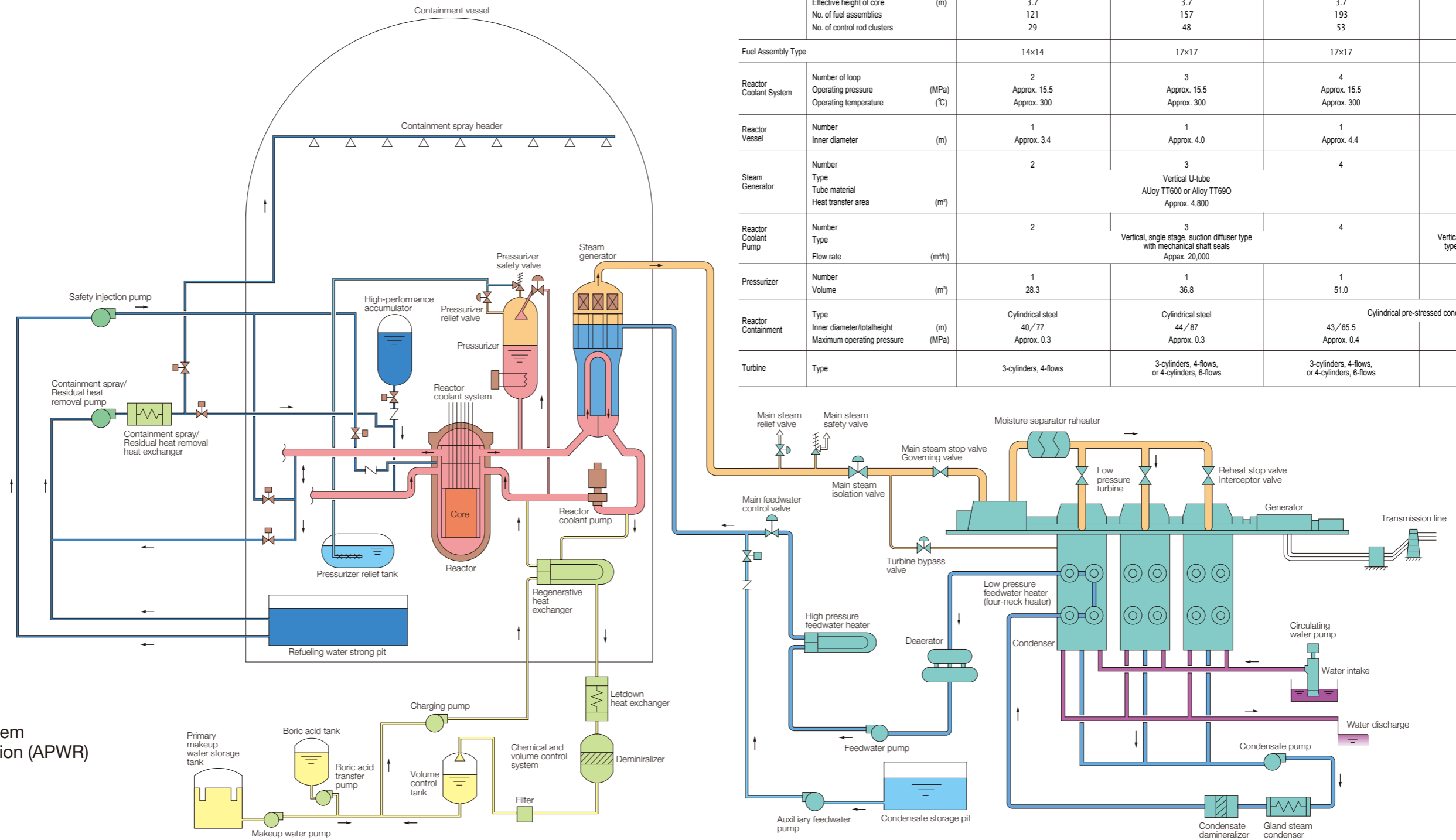




Basic Specifications of Mitsubishi PWR Plants

Items		600 MWe Class	900 MWe Class	1,200 MWe Class	APWR 1,500 MWe Class
Reactor Core	Thermal output (MWt)	1,650	2,652	3,411	Approx. 4,451
	Quantity of loaded uranium (UO ₂ ton)	48	72	89	121
	Equivalent diameter of core (m)	2.5	3.0	3.4	3.9
	Effective height of core (m)	3.7	3.7	3.7	3.7
	No. of fuel assemblies	121	157	193	257
	No. of control rod clusters	29	48	53	69
Fuel Assembly Type		14x14	17x17	17x17	17x17
Reactor Coolant System	Number of loop	2	3	4	4
	Operating pressure (MPa) Operating temperature (°C)	Approx. 15.5 Approx. 300	Approx. 15.5 Approx. 300	Approx. 15.5 Approx. 300	Approx. 15.5 Approx. 300
Reactor Vessel	Number	1	1	1	1
	Inner diameter (m)	Approx. 3.4	Approx. 4.0	Approx. 4.4	Approx. 5.2
Steam Generator	Number	2	3	4	4
	Type		Vertical U-tube		Vertical U-tube
	Tube material Heat transfer area (m ²)		AUoy TT600 or Alloy TT690 Approx. 4,800		Alloy TT690 Approx. 6,500
Reactor Coolant Pump	Number	2	3	4	4
	Type Flow rate (m ³ /h)		Vertical, single stage, suction diffuser type with mechanical shaft seals Approx. 20,000		Vertical, single stage, suction diffuser type with mechanical shaft seals Approx. 25,800
Pressurizer	Number	1	1	1	1
	Volume (m ³)	28.3	36.8	51.0	65.0
Reactor Containment	Type	Cylindrical steel	Cylindrical steel	Cylindrical pre-stressed concrete	
	Inner diameter/total height (m)	40/77	44/87	43/65.5	45.5/69
	Maximum operating pressure (MPa)	Approx. 0.3	Approx. 0.3	Approx. 0.4	Approx. 0.4
Turbine	Type	3-cylinders, 4-flows	3-cylinders, 4-flows, or 4-cylinders, 6-flows	3-cylinders, 4-flows, or 4-cylinders, 6-flows	4-cylinders, 6-flows



Basic System Configuration (APWR)