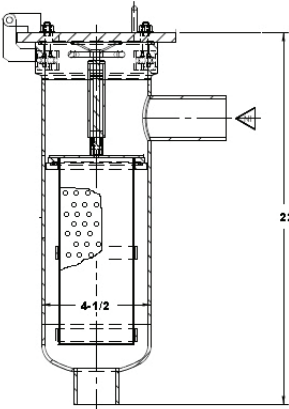

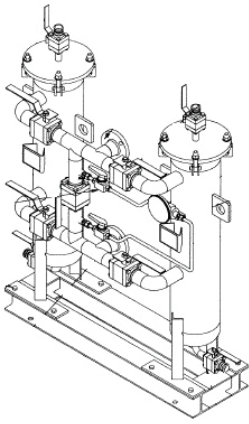
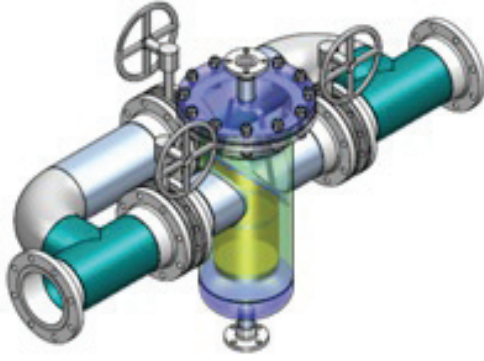

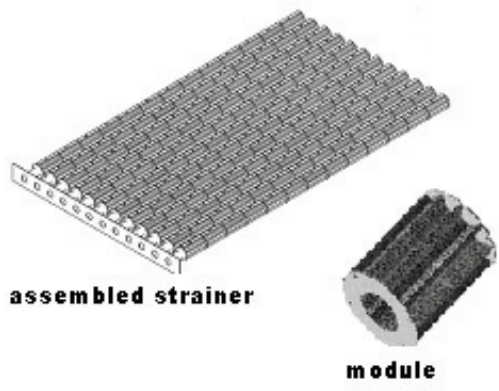


### ③ Strainers


Sealing Liquid & Seal Water Strainer US-EPR		Pipe Line Y Strainer	
			
Service	Demin Water & Borated Water	Service	Process Water
Micron Rating	100 - 200	Micron Rating	50 - 500 mesh
Code Class	CL-3	Code Class	Section III
Design Pressure	174 psig	Design Pressure	150 psig
Design Temperature	212°F	Design Temperature	650°F
Design Flow	77 SGPM	Design Flow	25 GPM
Vessel Size	4 inches	Vessel Size	4 inches

Duplex Strainer		Blow Down Strainer	
			
Service	Reactor Coolant	Service	Process Water
Micron Rating	50 - 500 mesh	Micron Rating	50 - 500 mesh
Code Class	CL-3	Code Class	Section III
Design Pressure	174 psig	Design Pressure	150 psig
Design Temperature	212°F	Design Temperature	650°F
Design Flow	100 GPM	Design Flow	25 GPM
Vessel Size	6 inches	Vessel Size	4 inches

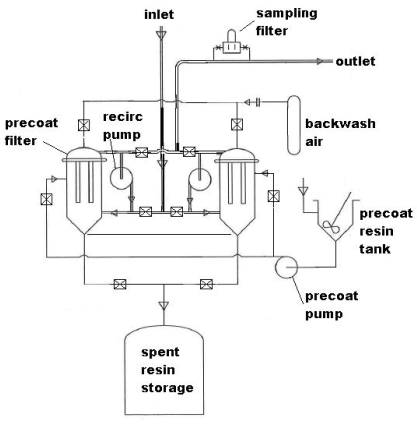
#### ④ Emergency Core Cooling (ECC) Strainers

ECC Strainer CANDU-6		ECC Strainer Module	
			
Service	LOCA Generated Deris in Emergency Coolant	Service	LOCA Generated Debris in Emergency Coolant
Micron Rating	1/16 inch opening	Micron Rating	1/16 inch opening
Code Class	Section III	Code Class	Section III
Design Pressure	Atmospheric	Design Pressure	Atmospheric
Design Temperature	650°F	Design Temperature	650°F
Design Flow	4500 GPM	Design Flow	Per Spec
Vessel Size	30 ft x 6 ft x 5 ft	Vessel Size	To Suit Plant

#### ⑤ Ion Exchange Columns

Ion Exchange Column

<p>Deep bed ion exchange columns are used for deionizing reactor coolant or condensate water. These are filled with bead type resins. Cation, anion or mixed resins can be used to remove undesirable ionic species. A pre filter and after filter must be used with deep bed ion exchange columns to protect the resin and downstream equipment from discharged resin fines.</p>

#### ⑥ Filter Demineralizers

Filter Demineralizer

<p>Precoat filters perform simultaneous filtration and ion exchange. Filter septa is precoat with powdered resin. As the water flows through precoat septa, the suspended particles adhere to the precoat media. As water passes through the precoat resin, the ion exchange process takes place. Spent resin is back flushed.</p>