
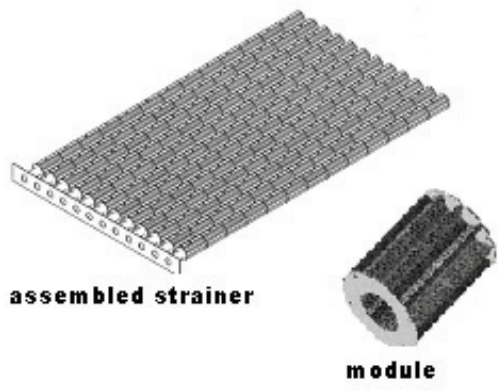



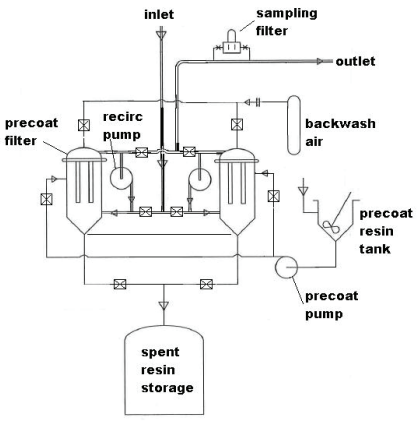
④ Emergency Core Cooling (ECC) Strainers

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

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.

⑥ Filter Demineralizers

Filter Demineralizer

Precoat filters perform simultaneous filtration and ion exchange. Filter septa is precoated 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.