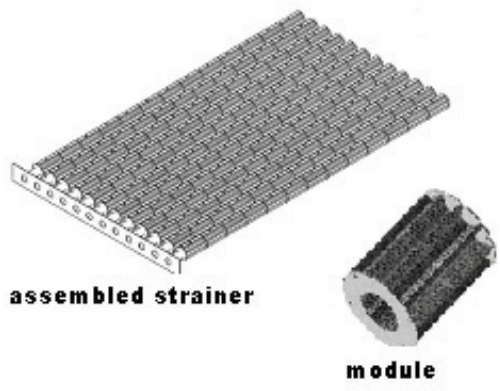


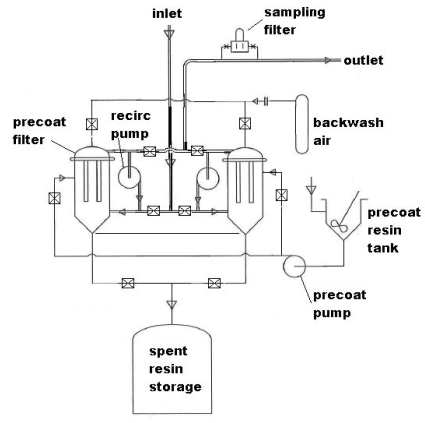
#### ④ Emergency Core Cooling (ECC) Strainers

| 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 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.</p> |