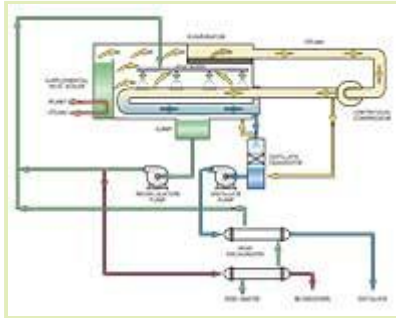


Distillation

By **William V. Collentro** May 11, 2013 12:30 pm EDT



Basic theory of distillation and types of distillation units utilized for production of water for injection (WFI) are discussed. Distillation is a process that employs a phase change for water (liquid) to water (gas or steam). A distillation unit employs three sections: evaporator, a vapor-liquid disengaging section, and a condensing section. Distillation units used for production of WFI may be of single-effect design, multiple-effect design, or vapor compression design. Critical parameters in distillation systems including removal of all liquid water, volatile impurities, silica, and chloride ion...

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