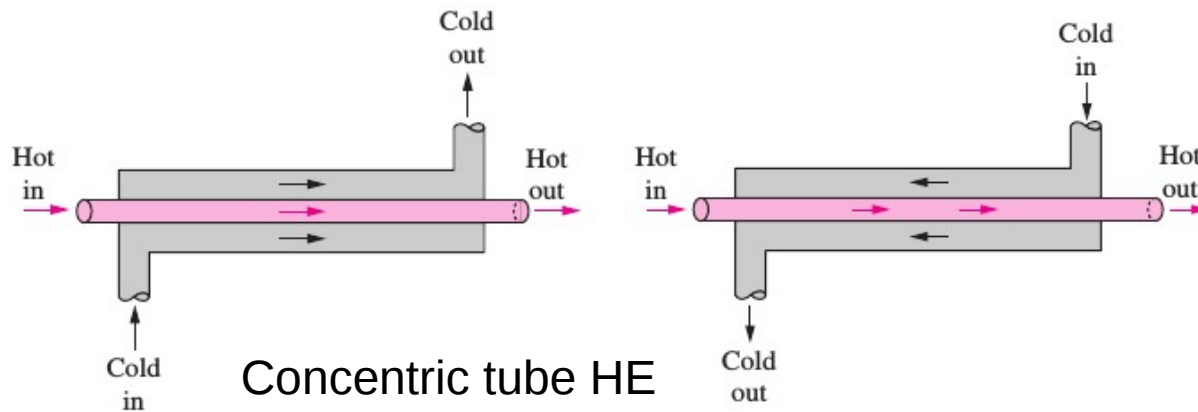


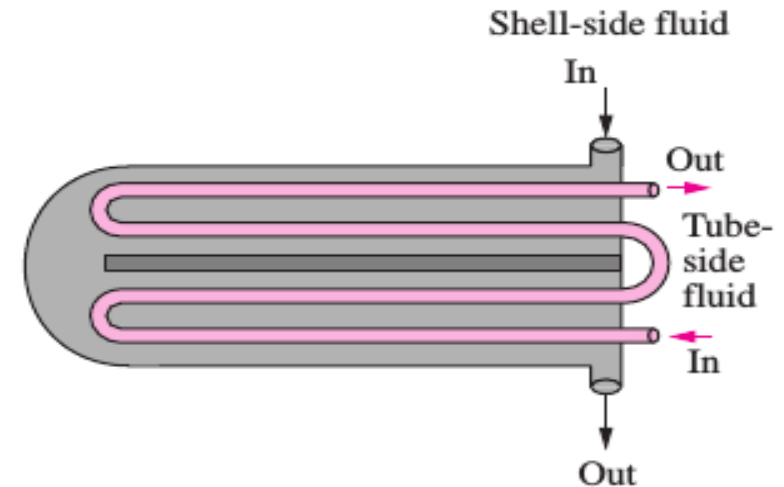
(a) One-shell pass and two-tube passes



### Concentric tube HE

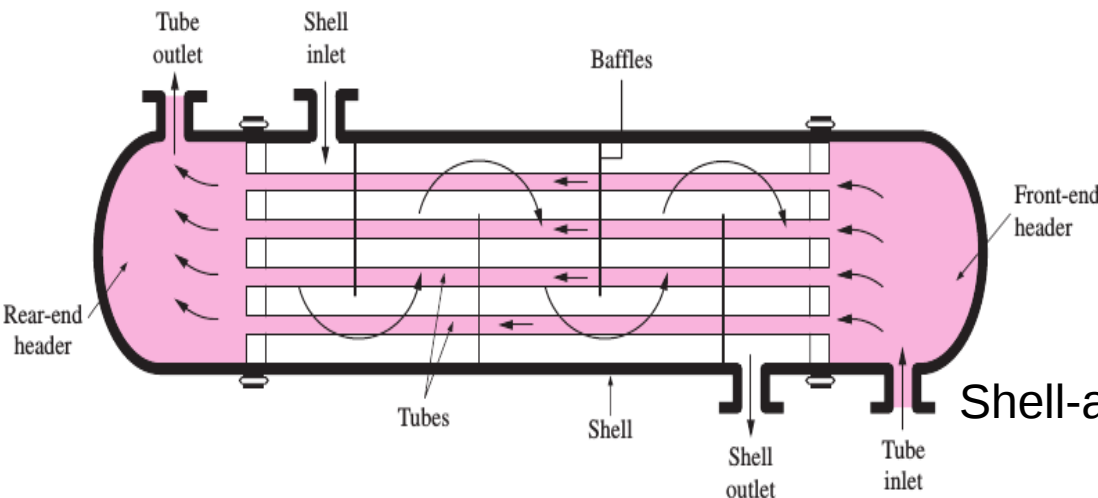
(a) Parallel flow

(b) Counter flow



(b) Two-shell passes and four-tube passes

Multipass flow arrangements in shell-and-tube HE.



Shell-and-tube HE (one-shell pass and one-tube pass)