



Shell and Tube Heat Exchanger

How to Allocate Fluids

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12 Fluid allocation

Following is a list of main fluid properties considered for fluid allocation.

- Corrosiveness
- Fouling tendency
- Viscosity

The operating conditions considered for fluid allocation are:

- Fluid temperature
- Operating pressure
- Pressure drop
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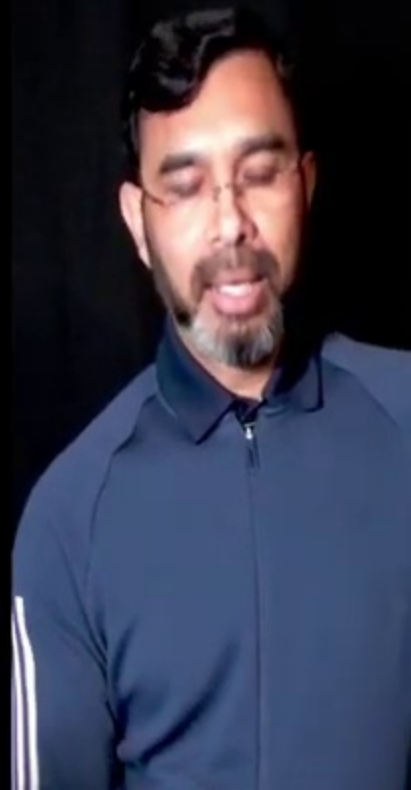


12.1 Allocation based on corrosion

More corrosive fluid is allocated to the tube side.

- Reduce the cost of expensive alloy or clad component
- Less exposed area for corrosion
- Shell, baffles are not exposed

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