

Heat Exchanger Comparison

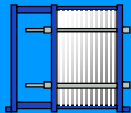


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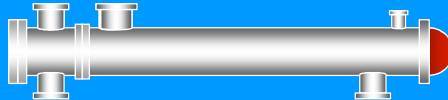
Maintenance

Small volume



- Small cleaning liquid volume and pump
- Total accessibility for mechanical cleaning

Big volume



- Big cleaning liquid volume and pump
- Limited accessibility for mechanical cleaning

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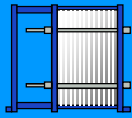
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Double Heat Transfer Efficiency

- True counter-current flow
- High turbulence
- High thermal efficiency
- Cross-flow
- Less turbulence
- Lower thermal efficiency



Small area



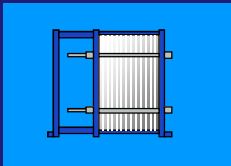
Bigger area



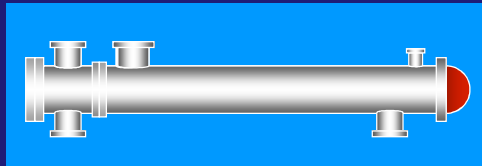
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Repair



- Possible to change plates
- No reduced heat transfer efficiency if corrosion problems

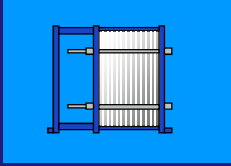


- If corrosion problems, plug tubes
- Reduced heat transfer efficiency if corrosion problems

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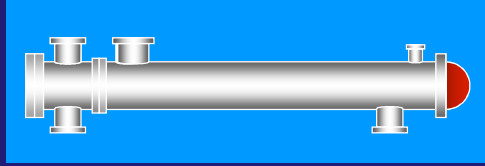
Expansion of Capacity



- Possible to add plates



- No reduced heat transfer efficiency when increased capacity



- Not possible to add heat transfer area



- Reduced heat transfer efficiency when increased capacity

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