



SEC Heat Exchangers

PLATE and SHELL HEAT EXCHANGER

The Concept:

The Plate and Shell open-able version offers increased flexibility of use by allowing the fully welded plate pack to be completely withdrawn from the shell for inspection or cleaning.

This is achieved by the use of a flanged and bolted shell construction.

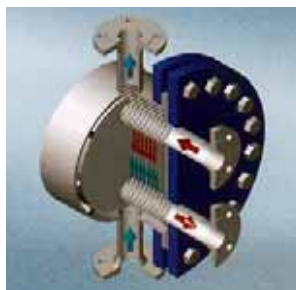
The cassette type plate pack allows quick and easy removal and refitting thus ensuring that process downtime is kept to a minimum.

Key Features and Benefits:

- a.. Bolted shell construction allows removal of plate pack
- b.. Fully welded on plate side of unit
- c.. Area required for plate pack removal considerably smaller than for shell & tube bundle
- d.. Design pressure up to 100 bar
- e.. Standard design temperature -80°C to +400°C. Higher for special cases
- f.. Very compact - 300m² heat transfer area / m²
- g.. Capacity up to 100MW / unit with up to 1800m² / unit
- h.. Significant space saving & weight compared to tubular units
- i.. Economic to maintain - very quick to open and no gaskets to replace

Applications:

- a.. Liquid/ liquid processing
- b.. Condensers
- c.. Evaporators
- d.. Cascades
- e.. Fouling service
- f.. Gas/ Liquid



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