

A guide to Alfa Laval s gasketed plate heat exchangers

	Standard PHE	Wide-gap PHE	Double-wall PHE	Twin-plate PHE	Diabon F Graphite PHE
Performance data					
Pressure range					
Full vacuum to Barg (psig)	25 (355)	10 (150)	25 (355)	25 (355)	8 (115)
Temperature range °C					
		← -30 to +180 →		← 0 to +180 →	
		← -20 to +355 →		← +32 to +355 →	
Service					
Liquid/liquid	1	1	1	1	1
Gas/liquid	1-3*	1-3*	1-3*	1-3*	1-3*
Gas/gas	1-3*	1-3*	1-3*	1-3*	1-3*
Condensation	1-3*	1-3*	1-3*	1-3*	1-3*
Vaporization	1-3*	1-3*	1-3*	1-3*	1-3*
Nature of media					
Corrosive	1	2	2	1	1
Aggressive	2	3	3	1	1
Viscous	2	1	2	2	2
Heat-sensitive	1	1	1	1	1
Hostile reactions	3	3	1	2	3
Fibrous	4	1	4	4	4
Slurries and suspension	3	1	2	2	2
Fouling	2	1	2	2	2
Inspection					
Corrosion	A	A	A	B	A
Leakage	A	A	A	A	A
Fouling	A	A	A	B	A
Maintenance					
Mechanical cleaning	A	A	A	B	A
Modification	A	A	A	A	A
Repair	A	A	A	A	A

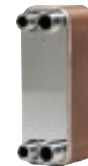
- 1 Usually best choice
- 2 Often best choice
- 3 Sometimes best choice
- 4 Seldom best choice

- A Both sides
- B One side
- C No side

* Depending on operating pressure, gas/vapour density etc.

Alfa Laval s gasket-free heat exchangers

For duties where temperature, pressure or the nature of the media is not suitable for gasketed plate heat exchangers, consider the extensive Alfa Laval range of welded and brazed heat exchangers.

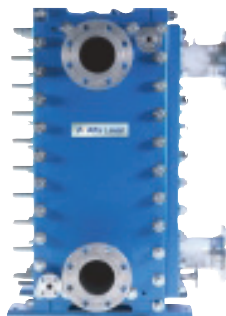


Brazed heat exchanger

Spiral heat exchanger



Compaplate



Compabloc



AlfaRex