

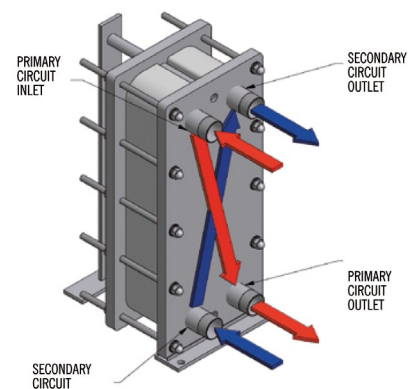
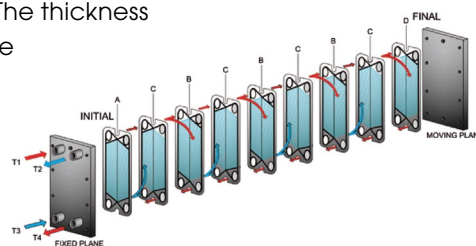
GENERAL INFORMATION:

- Applications: The Zilmet plate heat exchanger has many applications. These include: production of sanitary hot water, decoupling of thermal circuits, district heating systems, recovery of heat coming from industrial process, cooling or heating of alimentary fluids (milk, beer, wine, etc), cooling of industrial machineries, heating of water for swimming pools and solar systems.
- Advantages: In every situation which requires a thermal exchange between two fluids, Zilmet plate heat exchangers are the right choice. The high efficiency, the long life, the low price, the small dimensions, the high modularity, the easy maintenance and the high reliability are some of the most important advantages of Zilmet plate heat exchangers.



TECHNICAL FEATURES:

- Plates: The plates are manufactured with 316 L stainless steel .0197 inches thick. This kind of material and thickness allows a smooth and quick transition to assure great corrosion resistance.
- Gaskets: Zilmet plate heat exchangers are equipped with glued EPDM gaskets with a maximum working temperature of 284 F. For particular applications, such as gasoline and oils, they can be equipped on request with nitril glued gaskets, for a maximum working temperature of 230 F.
- Frames: The frames are manufactured with silver painted carbon steel. The thickness is designed for the respective working pressure.
- Tests: 100% of Zilmet plate heat exchangers are tested before shipment at 1.5 times the maximum working pressure.
- **Custom heat exchangers are available upon request. Please contact us for custom pricing.**



ZILMET PLATE AND FRAME Heat Exchanger

			Z2/10	Z2/16	Z3/10	Z3/16	Z4/16
Frame	Length	in	7,09	7,09	13,38	13,38	14,57
	Height	in	18,90	18,90	30,71	30,71	40,94
	Thickness	in	0,47	0,55	0,98	1,18	1,38
Plates	Exchange surface	in ²	52,70	52,70	201,50	201,50	341,00
	Thickness	in	0,02	0,02	0,02	0,02	0,02
Tie rods	Length (nr of plates)	in	4,72(7-13)	4,72 (7-13)	13,78 (7-49)	13,78 (7-51)	19,68 (21-73)
			5,90 (15-21)	5,90 (15-21)	21,65 (51-75)	21,65 (53-75)	39,37 (>75)
			9,45 (23-35)	9,45 (23-35)	25,59 (77-101)	25,59 (77-101)	
			11,81 (37-45)	11,81 (37-55)			
Guide Carrying bars	Length (nr of plates)	in	4,92 (7-13)	4,92 (7-13)	13,78 (7-49)	13,78 (7-51)	19,68 (21-73)
			5,71 (15-21)	5,71 (15-21)	21,65 (51-75)	21,65 (53-75)	39,37 (>75)
			9,84 (23-35)	9,84 (23-35)	25,59 (77-101)	25,59 (77-101)	
			11,81 (37-45)	11,81 (37-55)			
Standard connections	in	1" F	1" F	2" M inox 304	2" M inox 304	3" F	
Connection distance	in	14,57/2,56	14,57/2,56	23,78/5,71	23,78/5,71	33,46/6,61	
Distance between the plates	in	0,12	0,12	0,13	0,13	0,14	
Approximate weights	Lb	35,93+0,59 x n°P	40,78+0,59 x n°P	220,46+1,76 x n°P	264,55+1,76x n°P	462,97+2,64 x n°P	
Nominal pressure	psi	145	232	145	232	232	
Test pressure	psi	217,5	348	217,5	348	348	
Max. working temperature (with standard EPDM gaskets)	°F	284	284	284	284	230	
Max. working temperature (with NBR gaskets)	°F	230	230	230	230	230	