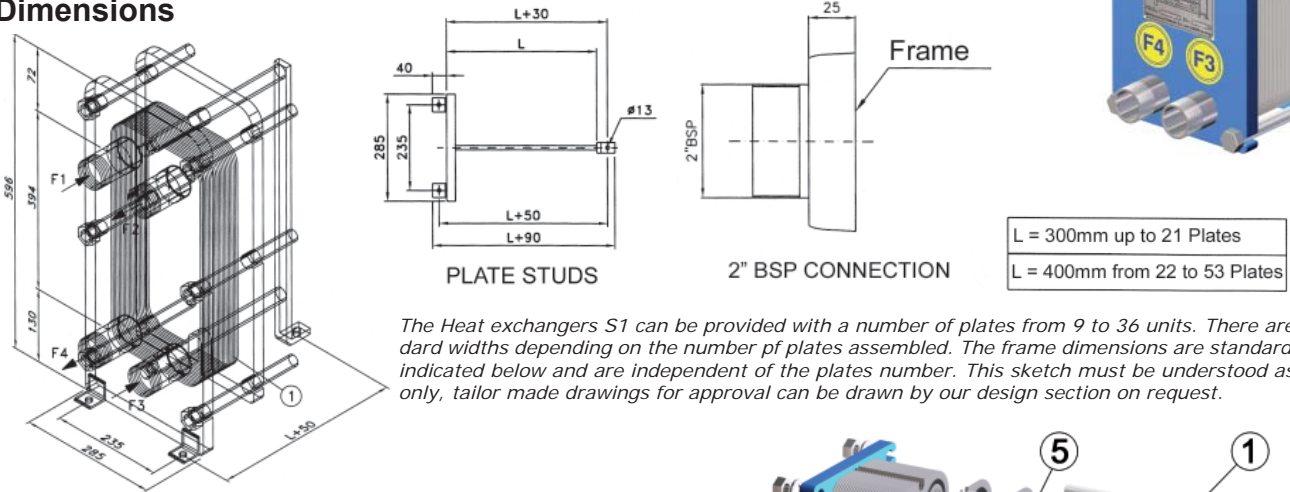


Plate Heat Exchangers - Series S7

Serialized Units designed to meet a wide range of duties in industrial, marine and HVAC installations. These series are of rugged design consisting of a steel frame fastened with bolts and a plate pack with rubber gaskets in between to provide tightness and circuit separation.. The plates can be in site expanded if process conditions required so. Plate Heat Exchangers are an excellent option when space savings are required while good heat transfer is kept. Fouling is minimal thanks to the vertical position of the plates thus ensuring minimal maintenance costs.

MAWP: 16 Kgs/cm²* MAWT: 130°C * Max Flow Rate: 50 c.m (S7) * Max. plate surface: 3.80 sq.m * PED 97/23/CE under Category I and fluids Group II* Test Pressure in accordance with applicable code *

Dimensions

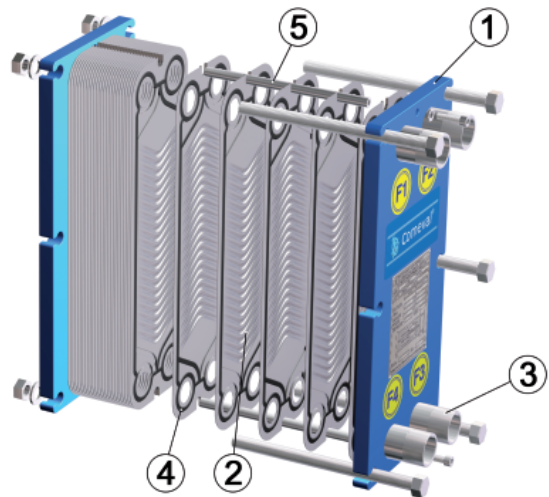


The Heat exchangers S1 can be provided with a number of plates from 9 to 36 units. There are two standard widths depending on the number of plates assembled. The frame dimensions are standardised to the indicated below and are independent of the plates number. This sketch must be understood as reference only, tailor made drawings for approval can be drawn by our design section on request.

- Plate thickness: 0.5 mm
- F1 Inlet connection: 2" threaded BSPP
- F4 Outlet connection: 2" threaded BSPP
- F3 Inlet connection: 2" threaded BSPP
- F2 Outlet connection: 2" threaded BSPP

Parts and Materials

Part	Name	Material
1	Frame	Carbon Steel (painted)
2	Plates	St. Steel AISI 316
3	Screwed Connections	St. Steel AISI 316
4	Gaskets	NBR or EPDM
5	Plates Guides	St. Steel AISI 316



Selection Chart

The suitable standard unit can be selected out of the below listed models and serves as a quick guidance. The chart has been based on the following parameters:

Primary Circuit: Steam / Hot Water Inlet temp. 85°C – Outlet temp. 69°C
 Secondary Circuit: Water Inlet Temp. 15°C – Outlet Temp. 50°C

Type	Duty (Kcal/h)	Flow Rate-I (m3/h)	ΔP-I (bar)	Flow Rate-II (m3/h)	ΔP-II (bar)	Surface (m2)
S7A-20TKTL35	250.000	17,05	0,43	7,19	0,073	1,35
S7A-24TKTL36	300.000	20,47	0,47	8,63	0,080	1,65
S7A-27TKTL33	350.000	23,88	0,46	10,07	0,078	1,85
S7A-31TKTL32	400.000	27,29	0,46	11,51	0,078	2,15
S7A-34TKTL36	450.000	30,70	0,53	12,94	0,091	2,4
S7A-38TKTL32	500.000	34,11	0,48	14,38	0,082	2,7
S7A-41TKTL31	550.000	37,52	0,49	15,82	0,084	2,9
S7A-45TKTL28	600.000	40,94	0,48	17,26	0,084	3,2
S7A-49TKTL27	650.000	44,35	0,48	18,70	0,084	3,5
S7A-53TKTL22	700.000	47,76	0,47	20,14	0,081	3,8

P-I: Pressure Drop in Primary Circuit
 P-II: Pressure Drop in Secondary Circuit

Other units to comply with different performances on request.