AEL
HEATING SOLUTIONS
Telephone: 01928 579 068 for Technical Assistance

2019/20

BRAZED PLATE HEAT EXCHANGERS DIMENSIONS

BRAZED PLATE HEAT EXCHANGERS

DESCRIPTION

en

AEL brazed plate heat exchangers consist of heat exchangers that are designed and built with a pack of refined AISI 316 plates which are brazed together to the PED (97/23/CE).

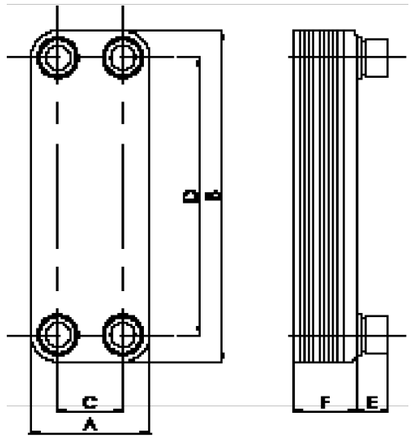
The whole process of design is completed by copper or nickel Brazing in a furnace. The assembly of the plate pack during manufacture complies with EN ISO 9001 as every second plate is made and brazed in position. In each plate pack there are two separate flow channels with the Primary and Secondary mediums in counter current.

MATERIALS

Plates	Stainless Steel 1.4401 AISI 316	Solder	Copper 99.99% or Nickel

PERFORMANCE

Max operating pressure	25 bar (TS F427) 27 bar (TS F16, 35, 50, 56) Max.36 bar	Min/Max operating temperature	
	Min/Max		-196/+225°C



CONNECTIONS

Model	Threaded (ISO G) x E	Model	Threaded (ISO G) x E
AEL/TS F5T	¾" x 20	AEL/TS F28	1 ¼" x 27
AEL/TS F8T	¾" x 20	AEL/TS F35	2" x 54
AEL/TS F10T	1" x 45	AEL/TS F50	2 ½" x 54
AEL/TS F12	1 ¼" x 27	AEL/TS F56	2 ½" x 54
AEL/TS F15	¾" x 20	AEL/TS 120T	2" x 54
AEL/TS F16	1 ¼" x 45	AEL/TS F427	4" x 54
AEL/TS F25T	1" x 45		

Model	**A** (mm)	**B** (mm)	**C** (mm)	**D** (mm)	**F** (mm)	Volume PRIMARY. (litres)
AEL/TS F5T	72	187	40	154	4,3+2,24xNp	0,025x(Np/2-1)
AEL/TS F8T	72	310	40	278	4,3+2,24xNp	0,042x(Np/2-1)
AEL/TS F10T	119	289	72	243	4,0+2,24xNp	0,061x(Np/2-1)
AEL/TS F12	117	287	63	234	4,4+2,34xNp	0,063x(Np/2-1)
AEL /TS F15	72	465	40	432	4,3+2,24xNp	0,063x(Np/2-1)
AEL/TS F16	119	376	63	320	4,0+2,24xNp	0,082x(Np/2-1)
AEL/TS F25T	119	526	72	479	4,0+2,24xNp	0,111x(Np/2-1)
AEL/TS F28	119	526	63	470	4,0+2,24xNp	0,111x(Np/2-1)
AEL/TS F35	243	393	174	324	8,0+2,34xNp	0,179x(Np/2-1)
AEL/TS F50	243	525	159	441	12,0+2,34xNp	0,242x(Np/2-1)
AEL/TS F56	243	525	148	430	14,0+2,44xNp	0,210x(Np/2-1)
AEL/TS F120T	243	525	174	456	10,0+2,29xNp	0,241x(Np/2-1)
AEL/TS F427	304	694	179	567	22,0+2,29xNp	0,405x(Np/2-1)

Number of plates .