

Applications

Where heat exchange between two different fluids is required e.g.

- production of hot water for domestic use
- heating of swimming pools (pools)
- solar systems
- air conditioning systems
- energy recovery.

Construction materials

Frame

- Steel, painted with a double-coat paint, coloured red

Plates - Nozzles

- AISI 316 or 316L stainless steel
 - SMO, SS904L or Titanium
- For applications where water with elevated chloride ions is used (e.g. swimming pool heating or thalassotherapy or use of water from a coastal borehole).

Rubbers

- EPDM (for normal use)
- NBR (for food and oil)
- FKM (for high temperature steam)

Temperature (Ti) & pressure drop (PP) assumptions

The following assumptions have been made for the alternators in the price list:

- T1: Primary inlet temperature 80°C
- T4: Primary outlet temperature 60°C
- T3: Secondary inlet temperature 15°C
- T2: Secondary outlet temperature 45°C

Pressure drop of about 2mYS.

Technical characteristics

Maximum operating/test pressure

ORZ-2: 16/21bar

M6/1: 16/21bar

ORZ-3: 16/21bar

M6/3: 16/21bar

ORZ-100: 10/13bar ή 16/21bar depending on the type.

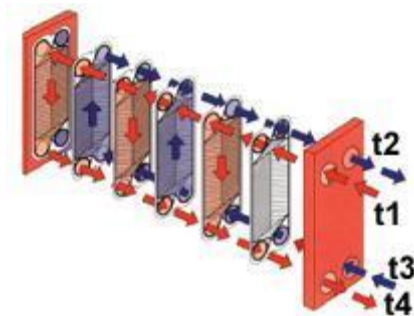
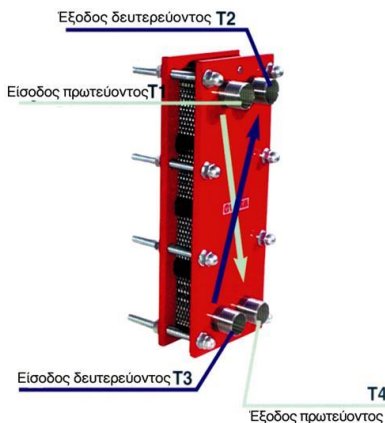
Maximum operating temperature

EPDM/NBR rubber: 140°C/160°C

FKM tires: 200oC



ORZ 2, ORZ 3



ORZ 100, N6/1, N6/3

Model ORZ - 2

Plates	Power (Kcal/h)	Exchange Flow * (lt/h)		Price €	
		Side 1	Side 2	INOX S.S.316	Titanium
11	35.000	1.750	1.170	1.060,00 €	
13	42.000	2.100	1.400	1.090,00 €	
15	49.000	2.450	1.630	1.130,00 €	
17	56.000	2.800	1.870	1.160,00 €	
19	63.000	3.150	2.100	1.195,00 €	
21	70.000	3.500	2.330	1.230,00 €	
23	77.000	3.850	2.570	1.260,00 €	
25	84.000	4.200	2.800	1.295,00 €	
27	91.000	4.550	3.030	1.330,00 €	
29	97.000	4.850	3.230	1.360,00 €	
31	103.000	5.150	3.430	1.400,00 €	
33	109.000	5.450	3.630	1.430,00 €	
35	115.000	5.750	3.830	1.465,00 €	
37	120.000	6.000	4.000	1.500,00 €	
39	125.000	6.250	4.170	1.535,00 €	
41	130.000	6.500	4.330	1.565,00 €	
43	135.000	6.750	4.500	1.600,00 €	
45	140.000	7.000	4.670	1.635,00 €	
47	145.000	7.250	4.830	1.665,00 €	
49	150.000	7.500	5.000	1.700,00 €	
51	155.000	7.750	5.170	1.735,00 €	
53	160.000	8.000	5.330	1.770,00 €	
55	165.000	8.250	5.500	1.800,00 €	

Prices and delivery time on request



ORZ 2

Basic model nozzle diameter:
DN32 (1 1/4") - male thread

Components ORZ-2	Price €
S.S.316 plate with EPDM rubber	23,00 €
Titanium plate with EPDM rubber	upon request
EPDM or NBR rubber (for oil)	12,00 €
Maximum temperature 140°C (160°)	
Rubber FKM-103 (for steam)	62,00 €
Maximum temperature 200°C	
Steel frame with 4 stainless steel nozzles (set)	1.110,00 €
Steel frame with 2 stainless steel nozzles and 2 nozzles titanium	upon request

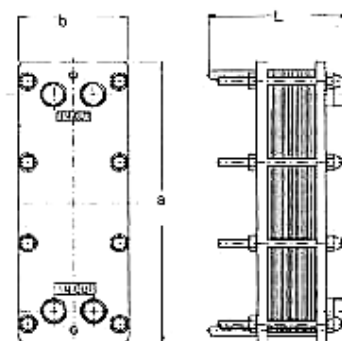
* The above calculations are indicative for:

T1: 80°C, **T4:** 60°C (Side 1)

T3: 15°C, **T2:** 45°C (Side 2)

Pressure drop max. 2,5mYΣ.

Please contact us for a detailed calculation.



Dimensions

Height (a)	480mm
Width (b)	180mm
Length (L)	depending on plates