

PREISLISTE

01 / 2011

THERMOKEY

**SHELL & TUBES
HEAT EXCHANGERS**

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NOTE:

We reserve the right to change our Price List in case costs undergo substantial variations.

Ci riserviamo il diritto di modificare il nostro Listino Prezzi in caso di variazioni sostanziali dei vari elementi di costo.

TLE	SHELL AND TUBE EVAPORATORS (for applications with R134a) <i>EVAPORATORI A FASCIO TUBIERO (per applicazioni con R134a)</i>				
	1 circuit e.g. TLE .../1	2 circuits e.g. TLE .../2	3 circuits e.g. TLE .../3	4 circuits e.g. TLE .../4	Shell diameter [mm]
TLE 130 /...	€ 3.187	€ 3.286	€ 3.680		219
TLE 170 /...	€ 4.644	€ 4.787	€ 5.362		273
TLE 240 /...	€ 5.077	€ 5.234	€ 5.862		
TLE 265 /...	€ 7.040	€ 7.184	€ 8.046		324
TLE 315 /...	€ 7.296	€ 7.445	€ 8.338		
TLE 350 /...	€ 7.928	€ 8.090	€ 8.899		
TLE 440 /...		€ 11.108	€ 12.441	€ 14.307	406
TLE 535 /...		€ 11.800	€ 13.217	€ 15.199	
TLE 585 /...		€ 12.984	€ 14.282	€ 15.996	
TLE 645 /...		€ 17.461	€ 18.858	€ 20.744	457
TLE 715 /...		€ 19.308	€ 20.852	€ 22.938	
TLE 745 /...		€ 19.867	€ 22.251	€ 25.589	508
TLE 860 /...		€ 22.353	€ 25.035	€ 28.790	
TLE 955 /...		€ 24.179	€ 26.597	€ 29.789	
TLE 1100 /...		€ 31.621	€ 34.151	€ 37.566	558
TLE 1220 /...		€ 34.063	€ 36.788	€ 40.467	
TLE 1290 /...			€ 37.316	€ 41.048	610
TLE 1420 /...			€ 41.075	€ 45.183	

TME	SHELL AND TUBE EVAPORATORS <i>EVAPORATORI A FASCIO TUBIERO</i>				
	1 circuit e.g. TME .../1	2 circuits e.g. TME .../2	3 circuits e.g. TME .../3	4 circuits e.g. TME .../4	Shell diameter [mm]
TME 18 /...	€ 1.176				141
TME 28 /...	€ 1.285				
TME 35 /...	€ 1.299	€ 1.339			
TME 45 /...	€ 1.333	€ 1.374			
TME 55 /...	€ 1.602	€ 1.652			168
TME 70 /...	€ 1.681	€ 1.733			
TME 85 /...	€ 1.738	€ 1.792			
TME 95 /...	€ 1.823	€ 1.879			
TME 120 /...	€ 2.250	€ 2.319	€ 2.597		194
TME 135 /...	€ 2.392	€ 2.466	€ 2.762		
TME 160 /...	€ 2.531	€ 2.610	€ 2.923		
TME 200 /...	€ 2.943	€ 3.034	€ 3.398	€ 3.908	219
TME 240 /...	€ 3.090	€ 3.186	€ 3.568	€ 4.103	
TME 300 /...	€ 4.021	€ 4.103	€ 4.596	€ 5.285	273
TME 345 /...	€ 4.435	€ 4.525	€ 5.068	€ 5.828	
TME 385 /...	€ 5.013	€ 5.115	€ 5.729	€ 6.588	
TME 450 /...	€ 6.625	€ 6.761	€ 7.572	€ 8.708	324
TME 505 /...	€ 7.159	€ 7.305	€ 8.181	€ 9.409	
TME 570 /...	€ 7.717	€ 7.875	€ 8.820	€ 10.143	
TME 660 /...		€ 9.369	€ 10.306	€ 11.542	406
TME 770 /...		€ 11.237	€ 12.361	€ 13.844	
TME 915 /...		€ 12.725	€ 13.998	€ 15.677	
TME 1000 /...		€ 14.353	€ 15.788	€ 17.683	
TME 1100 /...		€ 18.293	€ 20.122	€ 22.537	457
TME 1200 /...		€ 20.069	€ 22.076	€ 24.725	
TME 1350 /...		€ 21.537	€ 23.690	€ 26.533	508
TME 1500 /...		€ 23.174	€ 25.492	€ 28.551	

ACCESSORIES FOR EVAPORATORS / ACCESSORI PER EVAPORATORI

EXTRA-PRICE FOR EVAPORATORS WITH FLANGE CONNECTIONS (2 FLANGES)

EXTRA-PREZZI PER EVAPORATORI IN VERSIONE CON FLANGE (2 FLANGE)

Size / Misura	Carbon steel / Acciaio al carbonio		Stainless steel / Acciaio inox	
	Code / Codice	Price	Code / Codice	Price
PN16 DN 80 (3")	-	€ 89	-	€ 270
PN16 DN 100 (4")	-	€ 117	-	€ 380
PN16 DN 125 (5")	-	€ 142	-	€ 442
PN16 DN 150 (6")	-	€ 202	-	€ 539
PN10 DN 200 (8")	-	€ 230		
PN10 DN 250 (10")	-	€ 377		

KIT 2 COUNTERFLANGES + GASKETS + BOLTS FOR WATER CONNECTIONS

KIT 2 CONTROFLANGE + GUARNIZIONI + BULLONI PER CONNESSIONI ACQUA

Size / Misura	Carbon steel / Acciaio al carbonio		Stainless steel / Acciaio inox	
	Code / Codice	Price	Code / Codice	Price
PN16 DN 80 (3")	F7000051	€ 102	F7001051	€ 421
PN16 DN 100 (4")	F7000101	€ 118	F7001101	€ 548
PN16 DN 125 (5")	F7000151	€ 159	F7001151	€ 748
PN16 DN 150 (6")	F7000201	€ 228	F7001201	€ 936
PN10 DN 200 (8")	F7000301	€ 252		
PN16 DN 250 (10")	F70004010001	€ 387		

KIT 2 QUICK COUPLINGS FOR WATER CONNECTIONS (VICTAULIC)

KIT 2 ATTACCHI FLESSIBILI CON TRONCHETTI PER CONNESSIONI ACQUA (VICTAULIC)

Size / Misura	Carbon steel / Acciaio al carbonio		Stainless steel / Acciaio inox	
	Code / Codice	Price	Code / Codice	Price
DN 80 (3")	F7000501	€ 86	F70005010001	€ 165
DN 100 (4")	F7000551	€ 126	F70005510001	€ 224
DN 125 (5")	F7000601	€ 131	F70006010001	€ 234
DN 150 (6")	F7000651	€ 145	F70006510001	€ 247
DN 200 (8")	F7000751	€ 192	F70007510001	€ 399

NOTE

We remind that ALL the kits are OPTIONALS (they have to be required separately if needed)

Si ricorda che TUTTI i kit sono OPTIONALS (da richiedere a parte in caso di necessità)

ACCESSORIES FOR EVAPORATORS / ACCESSORI PER EVAPORATORI
INSULATION FOR EVAPORATORS
ISOLAMENTO PER EVAPORATORI

Model	Thickness 5/16" (Spessore 8 mm)	Thickness 5/8" (Spessore 16 mm)
TME 18	€ 142	€ 199
TME 28	€ 146	€ 204
TME 35	€ 151	€ 211
TME 45	€ 156	€ 218
TME 55	€ 189	€ 265
TME 70	€ 194	€ 272
TME 87	€ 198	€ 277
TME 95	€ 203	€ 284
TME 120	€ 227	€ 318
TME 135	€ 236	€ 330
TME 160	€ 246	€ 344
TME 200	€ 274	€ 384
TME 240	€ 284	€ 398
TME 300 / 345 / 385	€ 397	€ 556
TME 450 / 505 / 570	€ 463	€ 648
TME 660 / 770 / 915	€ 548	€ 767
TME 1000	€ 576	€ 806
TME 1100	€ 652	€ 913
TME 1200	€ 704	€ 986
TME 1350 / 1500	€ 813	€ 1.138
Model	Thickness 5/16" (Spessore 8 mm)	Thickness 5/8" (Spessore 16 mm)
TLE 130	€ 274	€ 384
TLE 175	€ 397	€ 556
TLE 240	€ 437	€ 612
TLE 265 / 315 / 350 / 440 / 535	€ 463	€ 648
TLE 585	€ 690	€ 966
TLE 645 / 715	€ 813	€ 1.138
TLE 745 / 860 / 955 / 1100	€ 860	€ 1.204
TLE 1220	€ 936	€ 1.310
TLE 1290	€ 996	€ 1.394
TLE 1420	€ 1.100	€ 1.540

ACCESSORIES FOR EVAPORATORS / ACCESSORI PER EVAPORATORI

TWA / TWA-K		WATER TANKS FOR SHELL AND TUBE EVAPORATORS ACCUMULATORI D'ACQUA PER EVAPORATORI A FASCIO TUBIERO			
Model	Ø	TWA no feets (senza staffe)	TWA with feets (con staffe)	Upper welded supports (staffe superiori saldate)	Compatible with following TME models (compatibile coi seguenti modelli TME)
	[mm]	Unit Price	Unit Price	Unit Price	
TWA 190	400	€ 843	€ 905	€ 31	18, 28, 35, 45, 55, 70, 85, 95
TWA 200	480	€ 877	€ 939	€ 31	18, 28, 35, 55
TWA 290	480	€ 912	€ 975	€ 31	18, 28, 35, 45, 55, 70, 85, 95, 120
TWA 470	600	€ 1.063	€ 1.148	€ 43	18, 28, 35, 45, 55, 70, 85, 95, 120
TWA 660	600	€ 1.323	€ 1.451	€ 43	18, 28, 35, 45, 55, 70, 85, 95, 120, 135, 160, 200, 240
TWA 1100	800	€ 1.697	€ 1.826	€ 43	200, 240, 300, 450, 505, 570
TWA 1250	800	€ 1.768	€ 1.939	€ 43	200, 240, 300, 345, 385, 450, 505, 570, 660, 770, 915
TWA 1500	800	€ 1.827	€ 1.998	€ 43	200, 240, 300, 345, 385, 450, 505, 570, 660, 770, 915, 1000
TWA 2000	950	€ 2.320	€ 2.546	€ 56	300, 345, 385, 450, 505, 570, 660, 770, 915, 1100
TWA 3000	950	€ 4.391	€ 4.617	€ 56	<i>ask Thermokey</i>

NOTE

Bottom welded supports included in the supply (no extra price)

Staffe inferiori saldate comprese nella fornitura (non c'è extra prezzo)

TWA can be purchased only with the shell and tube evaporator to be fitted inside

I TWA possono essere acquistati solo in abbinamento ad un evaporatore a fascio tubiero

To calculate the total price of a water tank supplied with a shell & tube evaporator (once you have ascertained the possibility of coupling), simply add up prices of the both (Evaporator + Water Tank)

Per ottenere il prezzo dell'accumulatore completo di evaporatore a fascio tubiero (una volta accertata la possibilità di accoppiamento) è sufficiente sommare i prezzi di listino dei due singoli elementi (Evaporatore + Accumulatore)

ACCESSORIES FOR EVAPORATORS / ACCESSORI PER EVAPORATORI

INSULATION FOR ACCUMULATORS (thickness 5/16")

ISOLAMENTO PER ACCUMULI (spessore 8mm)

Model	TWA no feets (senza staffe)		TWA-K with feets (con staffe)	
	Code / Codice	Price	Code / Codice	Price
TWA 190	V0000896	€ 326	V0000265	€ 326
TWA 200	V0000590	€ 330	V0000538	€ 330
TWA 290	V0000897	€ 411	V0000900	€ 411
TWA 470	V0000278	€ 496	V0000240	€ 496
TWA 660	V0000277	€ 585	V0000431	€ 585
TWA 1100	V0000313	€ 691	V0000579	€ 691
TWA 1250	V0000302	€ 774	V0000901	€ 774
TWA 1500	V0000898	€ 850	V0000560	€ 850
TWA 2000	V0000899	€ 942	V0000902	€ 942

NOT POSSIBLE WITH Thickness = 16mm = 5/8"

TRACE HEATING FOR EVAPORATORS

CAVO SCALDANTE PER EVAPORATORI

Model TME	Model TLE	Price
TME 18 / 28		€ 55
TME 35 / 45		€ 76
TME 55 / 70 / 87 / 95		€ 100
TME 120 / 135 / 160		€ 143
TME 200 / 240	TLE 130	€ 186
TME 300 / 345 / 385	TLE 170 / 240	€ 228
TME 450 / 505 / 570	TLE 265 / 315 / 350	€ 270
TME 660 / 770 / 915		€ 360
TME 1000		€ 445
TME 1100 / 1200	TLE 440 / 535 / 585	€ 530
TME 1350 / 1500	TLE 645 / 715	€ 530
	TLE 745 / 860 / 955	€ 615
	TLE 1100 / 1220	€ 715
	TLE 1290 / 1420	€ 785

TC	SHELL & TUBE CONDENSERS CONDENSATORI A FASCIO TUBIERO				
	Model	Standard Length	Extra Length Models / Versioni allungate		Shell diameter [mm]
			+200mm	+400mm	
TC 10	€ 663	€ 729	€ 755	141	
TC 21	€ 759	€ 835	€ 865		
TC 31	€ 870	€ 957	€ 991	168	
TC 42	€ 966	€ 1.062	€ 1.101		
TC 52	€ 1.048	€ 1.153	€ 1.195		
TC 63	€ 1.144	€ 1.259	€ 1.305		
TC 83	€ 1.444	€ 1.588	€ 1.646		
TC 104	€ 1.588	€ 1.747	€ 1.810		
TC 125	€ 1.732	€ 1.906	€ 1.975		
TC 146	€ 2.031	€ 2.234	€ 2.315	194	
TC 167	€ 2.213	€ 2.435	€ 2.523		
TC 188	€ 2.358	€ 2.594	€ 2.688		
TC 208	€ 2.502	€ 2.752	€ 2.852		
TC 229	€ 2.589	€ 2.771	€ 2.874		
TC 292	€ 3.366	€ 3.602	€ 3.737	273	
TC 354	€ 3.800	€ 4.066	€ 4.217		
TC 417	€ 4.231	€ 4.528	€ 4.697		
TC 458	€ 4.551	€ 4.870	€ 5.052		
TC 542	€ 5.620	€ 6.014	€ 6.238	324	
TC 604	€ 6.039	€ 6.461	€ 6.703		
TC 656	€ 6.399	€ 6.847	€ 7.103		
TC 750	€ 7.705	€ 8.167	€ 8.399	406	
TC 854	€ 8.427	€ 8.932	€ 9.185		
TC 959	€ 9.148	€ 9.697	€ 9.971		
TC 1042	€ 9.709	€ 10.292	€ 10.583		
TC 1120	€ 12.994	€ 13.773	€ 14.163	457	
TC 1225	€ 13.749	€ 14.574	€ 14.986		
TC 1330	€ 13.581	€ 14.396	€ 14.803	508	
TC 1575	€ 15.155	€ 16.064	€ 16.519		
TC 1735	€ 23.677	€ 25.097	€ 25.807	610	
TC 1920	€ 24.575	€ 26.049	€ 26.787		

NOTE

Please always specify the type of water connection in the order (2/4/8 passes)

Specificare sempre il tipo di collegamento idrico all'atto dell'ordine (2/4/8 passi)

ACCESSORIES FOR CONDENSERS / ACCESSORI PER CONDENSATORI

EXTRA-PRICE FOR TANGENTIAL REFRIGERANT OUTLET

EXTRA-PREZZI VERSIONE CON USCITA FREON TANGENZIALE

Shell diameter [mm]	Code / Codice	Price
141	-	€ 51
168	-	€ 86
194	-	€ 113
219	-	€ 124
273	-	€ 198
324	-	€ 341
406	-	€ 500
457	-	€ 550

EXTRA-PRICE FOR FLANGED CONNECTIONS REFRIGERANT SIDE

EXTRA-PREZZI ATTACCHI FLANGIATI LATO FREON

Flange Size / Misura flangia [mm x mm]	Price
70 x 70	€ 54
75 x 75	€ 63
90 x 90	€ 75
100 x 100	€ 85
120 x 120	€ 98
∅ 170	€ 162
∅ 190	€ 170

PLATFORM FOR COMPRESSOR MOUNTING

PIATTAFORMA SUPPORTO COMPRESSORE

Shell diameter [mm]	Code / Codice	Loose (sciolta)	Welded (saldata)
141	S2500741	€ 41	€ 100
168	S2500701	€ 41	€ 100
194	S2500711	€ 50	€ 122

EXTRA-PRICE FOR BLOCK FLANGED REFRIGERANT CONNECTION

EXTRA-PREZZI VERSIONE CON CONNESS. FREON A MONOBLOCCO

Flange Size / Misura flangia [mm x mm]	Price
70 x 70	€ 109
75 x 75	€ 130
90 x 90	€ 184
100 x 100	€ 202
120 x 120	€ 243
∅ 170	€ 368
∅ 190	€ 410

NOTE

Connections sizes are available on TC condensers catalogue

Per le dimensioni degli attacchi disponibili su ogni flangia, consultare il catalogo condensatori TC

TCSM		SHELL AND TUBE CONDENSERS - MARINE TYPE (SMALL) <i>CONDENSATORI A FASCIO TUBIERO PER ACQUA DI MARE</i>	
Model	Price	Shell diameter [mm]	NOTE
TCSM 7	€ 1.084	168	SMALL VERSION
TCSM 10	€ 1.180		
TCSM 12	€ 1.246		
TCSM 16	€ 1.345	194	SMALL VERSION
TCSM 20	€ 1.524		
TCSM 24	€ 1.757		
TCSM 32	€ 1.999		

NOTE
For TCSM: SUPPORTS are optional for these models
<i>Per i TCSM: le STAFFE vanno richieste come optional per la versione TCSM</i>

TCM		SHELL AND TUBE CONDENSERS - MARINE TYPE <i>CONDENSATORI A FASCIO TUBIERO PER ACQUA DI MARE</i>	
Model	Price	Shell diameter [mm]	NOTE
TCM 35	€ 2.724	168	STANDARD VERSION
TCM 49	€ 3.089		
TCM 63	€ 3.697	194	
TCM 84	€ 4.583	273	
TCM 105	€ 5.127		
TCM 126	€ 5.669		
TCM 168	€ 6.517	273	STANDARD VERSION
TCM 210	€ 7.432		
TCM 252	€ 8.346		
TCM 315	€ 9.717		
TCM 418	€ 12.798	324	KIT VICTAULIC INOX (only for these versions) (solo per queste versioni)
TCM 514	€ 15.949	406	
TCM 660	€ 19.145		
TCM 751	€ 21.126		

NOTE
For TCM: the price is inclusive of 4 WELDED SUPPORTS
<i>Per i TCM: il prezzo è comprensivo di 4 STAFFE SALDATE</i>

ACCESSORIES FOR MARINE CONDENSERS
ACCESSORI PER CONDENSATORI MARINI
ANGULAR SUPPORTS (4 FOR EACH CONDENSER)
STAFFE ANGOLARI (4 PER OGNI CONDENSATORE)

Model	Code / Codice	Price
TCM 35 ÷ TCM 126	S2500205	€ 40
TCM 168 ÷ TCM 751	S2500206	€ 65

NOTE

Only welded supports

Le staffe vengono fornite solo saldate

Plastic baffles

I setti sono in plastica

REFRIGERANT OUTLET COLLECTING PIPE (not connected to the heat exchanger)
COLLETORE USCITA REFRIGERANTE (fornito non collegato)

Model	Code / Codice	Price
TCM 35 ÷ TCM 49	S1240005	€ 46
TCM 63	S1240010	€ 103
TCM 84 ÷ TCM 126	S1240015	€ 103
TCM 168 ÷ TCM 315	S1240020	€ 367
TCM 418	S1240025	€ 421
TCM 514 ÷ TCM 751	S1240030	€ 421

TCOIL	OIL COOLERS (WATER COOLED) REFRIGERATORI D'OLIO (CON ACQUA)		
	Price – Cu tubes (for HCFC, HFC)	Price – Fe tubes (for NH3)	Shell diameter [mm]
TCOIL 29	€ 1.509	SEE NOTES BELOW (VEDERE NOTE)	141
TCOIL 57	€ 1.742		168
TCOIL 86	€ 2.069		194
TCOIL 120	€ 2.212		168
TCOIL 180	€ 2.825		194
TCOIL 220	€ 3.108		
TCOIL 315	€ 4.518		
TCOIL 441	€ 5.538		273
TCOIL 487	€ 6.028		
TCOIL 705	€ 8.848		324

NOTE
COPPER TUBES (HCFC, HFC) <i>TUBI IN RAME (HCFC, HFC)</i>
FOR FEASIBILITY OF CARBON STEEL TUBES VERSIONS (NH3 APPLICATIONS) PLEASE ASK THERMOKEY <i>PER LA FATTIBILITA' DI VERSIONI CON TUBI IN FERRO (APPLICAZIONI PER NH3) CONTATTARE THERMOKEY</i>

VERTICAL OIL SEPARATORS <i>SEPARATORI D'OLIO VERTICALI</i>		
TOS	Price	NOTE
Model	Price	NOTE
TOS 40/1	€ 2.056	ONE-STAGE TYPE (MODELLI MONOSTADIO)
TOS 120/1	€ 2.795	
TOS 220/1	€ 3.613	
TOS 330/1	€ 5.583	
TOS 560/1	€ 9.822	
(*) TOS 90/2	€ 2.643	TWO-STAGE TYPE (MODELLI BISTADIO)
(*) TOS 170/2	€ 4.106	
(*) TOS 310/2	€ 5.496	
(*) TOS 470/2	€ 8.662	

ACCESSORIES FOR TOS (OIL SEPARATORS) / ACCESSORI PER TOS (SEPARATORI D'OLIO)

EXTRA-PRICE FOR ACCESSORIES FOR TOS

EXTRA PREZZO PER ACCESSORI PER TOS

Codice / Code	Price	Description / Descrizione
M5600100	€ 446	Coalescent filter 138x392 <i>(Filtro coalescente 138x392)</i>
F7040001	€ 120	Kit for filter support system <i>(Kit sistema fissaggio filtro)</i>
M2703020	€ 157	Level switch AP1300-001/0 <i>(Regolatore di livello AP1300-001/0)</i>
M2707010	€ 86	Electric heater 140 W complete with socket <i>(Resistenza elettrica da 140 W completa di pozzetto)</i>
M2704010	€ 65	Electric heater 140 W <i>(Resistenza elettrica da 140 W)</i>
M2706010	€ 45	Socket for heater <i>(Pozzetto per resistenza)</i>
M2705010	€ 91	Thermostat X TOS/1 <i>(Termostato regolatore X TOS/1)</i>
M2705015	€ 188	Thermostat X TOS/2 – NH3 <i>(Termostato regolatore X TOS/2 - NH3)</i>

NOTE

The oil separators are supplied with two sight glasses mod. SG 4, without other accessories.

I separatori d'olio sono forniti completi di due spie in vetro mod. SG 4, escluso ogni altro accessorio.

(*) Coalescent filters are for TWO-STAGE models: these filters are OPTIONAL

() I filtri coalescenti vanno montati sui modelli BISTADIO: questi filtri sono OPTIONAL*

Two stage models (TOS.../2) are designed for coalescent filters (not included) having $\varnothing_{max} = 140$ mm.

I modelli a due stadi (TOS.../2) sono predisposti per filtri coalescenti (non forniti) con $\varnothing_{max} = 140$ mm.

HERMETIC SHELL AND COIL CONDENSERS WITH RECEIVER <i>CONDENSATORI ERMETICI CON RICEVITORE</i>		
THC		
Model	Price	NOTE
THC 2,8	€ 494	-
THC 6	€ 510	-
THC 9	€ 602	-
THC 13	€ 617	-
THC 18	€ 638	-
THC 29	€ 1.049	-
THC 35	€ 1.091	-
THC 50	€ 1.269	-

HERMETIC SHELL AND COIL CONDENSERS (HORIZONTAL) <i>CONDENSATORI ERMETICI (VERTICAL)</i>		
THCH		
Model	Price	NOTE
THCH 1,5	€ 343	Version THCH has a limited production. Please verify with Thermokey the feasibility in case of need.
THCH 2	€ 349	
THCH 3	€ 355	
THCH 4	€ 434	
THCH 6	€ 449	

HERMETIC SHELL AND COIL CONDENSERS (VERTICAL) <i>CONDENSATORI ERMETICI (VERTICALI)</i>		
THCV		
Model	Price	NOTE
THCV 15	€ 505	Version THCV has a limited production. Please verify with Thermokey the feasibility in case of need.
THCV 30	€ 661	
THCV 45	€ 976	
THCV 50	€ 1.104	
THCV 80	€ 1.488	

NOTE
Version THCH and THCV have a limited production. Please verify with Thermokey the feasibility in case of need. <i>Le versioni THCH e THCV hanno una produzione limitata. Verificarne la fattibilità con Thermokey in caso di necessità.</i>

TRH	LIQUID RECEIVERS (HORIZONTAL TYPE) RICEVITORI DI LIQUIDO (ORIZZONTALE)			
Model	Price	Shell diameter [mm]	Internal volume [dm3]	NOTE
TRH 12	€ 615	168	11,8	-
TRH 15	€ 625		15,5	
TRH 20	€ 635		19,3	
TRH 24	€ 653		24,8	
TRH 21	€ 728	193	20,4	
TRH 25	€ 738		24,9	
TRH 30	€ 671	219	31,0	-
TRH 40	€ 721		40,0	
TRH 60	€ 801		57,0	
TRH 80	€ 834		74,0	
TRH 90	€ 1.280	324	90,0	-
TRH 130	€ 1.340		128,0	
TRH 170	€ 1.369		165,0	
TRH 190	€ 1.440		188,0	
TRH 150	€ 1.608	356	150,0	-
TRH 200	€ 1.786		199,0	
TRH 250	€ 2.105		245,0	
TRH 290	€ 2.162		290,0	
TRH 410	€ 4.355	610	408,0	-
TRH 520	€ 5.052		518,0	
TRH 630	€ 5.748		627,0	
TRH 760	€ 6.622		764,0	

TRV	LIQUID RECEIVERS (VERTICAL TYPE WITH SUPPORT) RICEVITORI DI LIQUIDO (TIPOLOGIA VERTICALE CON SUPPORTO)			
Model	Price	Shell diameter [mm]	Internal volume [dm3]	NOTE
TRV 5	€ 547	141	5,0	-
TRV 7	€ 620	168	7,0	
TRV 12	€ 788	193	12,0	
TRV 25	€ 829	273	25,0	-
TRV 30	€ 895	219	30,0	
TRV 40	€ 967		40,0	
TRV 51	€ 1.060	273	51,0	-
TRV 65	€ 1.098		64,0	
TRV 90	€ 1.143		90,0	
TRV 110	€ 1.712	324	108,0	-
TRV 130	€ 1.785		128,0	
TRV 175	€ 2.347	406	175,0	-
TRV 260	€ 2.757		262,0	

NOTE

Receivers with same nozzle/sockets number on catalogue, but different position/dimension/type: Price List + 60 Eur

Ricevitori con stesso numero attacchi, ma posizione/dimensione/tipo diversi dal catalogo: listino + 60 Eur

Rotalock nuts and fittings are supplied as separate optional kit (see page for Accessories)

Dove previsti collegamenti di tipo Rotalock, la ghiera ed il raccordo sono forniti come kit a parte (si veda pagina Accessori)

Receivers for ammonia OD = 610 mm - RX 100%: Price List: + 860 Eur

Ricevitori per ammoniaca OD = 610 mm - RX 100%: Listino + 860 Eur

ACCESSORIES FOR HEAT EXCHANGERS AND LIQUID RECEIVERS / ACCESSORI PER SCAMBIATORI E RICEVITORI DI LIQUIDO

Loose or welded supports for EXCHANGERS and LIQUID RECEIVERS / Staffe sciolte o saldate per SCAMBIATORI e RICEVITORI

Code / Codice	Shell diameter [mm]	Price for one LOOSE support		Price for one WELDED support	
		(Prezzo per una staffa SCIOLTA)		(Prezzo per una staffa SALDATA)	
		Standard	Customized	Standard	Customized
S 250 005 1	141 / 168	€ 10	€ 175	€ 41	€ 297
S 250 007 1	194 / 219	€ 13	€ 178	€ 46	€ 302
S 250 009 1	244 / 273	€ 27	€ 192	€ 49	€ 317
S 250 011 1	324 / 356	€ 32	€ 197	€ 64	€ 335
S 250 013 1	406 / 457	€ 47	€ 212	€ 82	€ 352
S 250 015 1	508 / 558	€ 117	€ 282	€ 187	€ 457
S 2500216	610 (evap & cond)	€ 222	€ 340	€ 282	€ 551
S 25002110001	610 (receivers)	€ 133	€ 310	€ 192	€ 505

ROTALOCK VALVES complete with gaskets / RUBINETTI ROTALOCK con guarnizione

Code / Codice	Model	Ø	Price	NOTE
M4100070	RTLK D=3/4"	3/8" SAE	€ 40	STANDARD
M4100071	RTLK D=3/4"	ODS 3/8"	€ 40	-
-	-	-	-	-
-	-	-	-	-
M4100012	RTLK D=1"	ODS 16	€ 46	STANDARD (* 1)
M4100013	RTLK D=1"	ODS 18	€ 46	- (* 2)
M4100021	RTLK D=1"1/4	ODS 22	€ 67	STANDARD (* 3)
M4100022	RTLK D=1"1/4	ODS 28	€ 67	- (* 4)
M4100030	RTLK D=1"3/4	ODS 28	€ 88	- (* 5)
M4100031	RTLK D=1"3/4	ODS 35	€ 88	STANDARD (* 6)
M4100032	RTLK D=1"3/4	ODS 42	€ 88	- (* 7)
-	-	-	-	-

ROTALOCK CONNECTIONS (NUT + FITTING) / CONNESSIONI ROTALOCK (GHIERA + RACCORDO)

Code / Codice	Model	Ø	Price	NOTE
F7030001	RTLK D=3/4"	ODS 10	€ 16	STANDARD
F7030002	RTLK D=3/4"	ODS 12	€ 16	-
F7031000	RTLK D=1"	ODS 1/2"	€ 16	-
F7031001	RTLK D=1"	ODS 14	€ 12	-
F7031002	RTLK D=1"	ODS 16	€ 12	STANDARD (* 1)
F7032001	RTLK D=1"1/4	ODS 18	€ 15	- (* 2)
F7032002	RTLK D=1"1/4	ODS 22	€ 15	STANDARD (* 3)
F7032003	RTLK D=1"1/4	ODS 28	€ 15	- (* 4)
F7033001	RTLK D=1"3/4	ODS 28	€ 17	- (* 5)
F7033002	RTLK D=1"3/4	ODS 35	€ 17	STANDARD (* 6)
F7033003	RTLK D=1"3/4	ODS 42	€ 17	- (* 7)
F7034002	RTLK D=2"1/4	ODS 54	€ 25	-

WELDED EXTRA CONNECTIONS for shell of condensers and receivers

CONNESSIONI AGGIUNTIVE A SALDARE per mantelli di ricevitori e condensatori

External diameter / Diametro esterno	Price	NOTE
< = 60 mm (2")	€ 90	See notes (*)
> 60 mm (2")	€ 144	See notes (*)

SIGHT GLASSES / SPIE DI LIQUIDO

Model	Price	NOTE
SG 4 (DexDi = 90x47)	€ 196	See notes (**)
SGR 7 (DexDi = 55x28)	€ 80	See notes (***)

NOTE

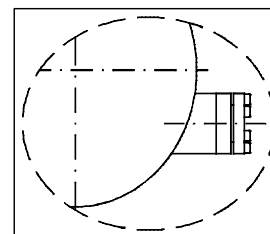
(*) Contact always THERMOKEY to verify the feasibility

(*) Contattare sempre THERMOKEY per verificarne la fattibilità

(**) + 280 Eur for tangential connection on the shell (see the drawing at right)

(**) + 280 Eur per connessione mantello tangenziale (vedere disegno a destra)

(***) no CE



MULTIPLIERS FOR NON-STANDARD CONSTRUCTIONS - SHELL AND TUBE EVAPORATORS
COEFFICIENTI MOLTIPLICATORI PER COSTRUZIONI NON STANDARD - EVAPORATORI A FASCIO TUBIERO

SHELL AND TUBE EVAPORATORS / EVAPORATORI A FASCIO TUBIERO

Variation	Description	Multiplier	NOTE
Ix	All Stainless Steel 316, header excluded (plain tubes) <i>Esecuzione tutta INOX 316, testata esclusa (tubi lisci)</i>	x 2.10	-
Tube bundle Solo fascio tubiero	Tube bundle (evaporator with stationary tubesheet), header excluded <i>Esecuzione solo fascio tubiero (evaporatore versione estraibile), testata esclusa</i>	x 0,85	-
Fe/Fe/Ix	INOX 316 tubes with Fe shell and tube sheet (plain tubes) <i>Esecuzione con tubi INOX 316 con mantello e piastra tubiera Fe (tubi lisci)</i>	x 1.70	-
BT	Low temperature (Evaporating temperature < -10°C) <i>Bassa temperatura (Temperatura di evaporazione < -10°C)</i>	x 1.05	-
+..S	Execution with number of baffles different from standard <i>Esecuzione con numero di setti diverso dallo standard</i>	x 1.03 x 1.06	<= +4S > +4S

SHELL AND TUBE CONDENSERS / CONDENSATORI A FASCIO TUBIERO

Variation	Description	Multiplier	NOTE
HR & H	Desuperheater & Heat recovery <i>Desurriscaldatore & Recuperatore di calore</i>	x 1.10	-
PN 16 H2O	16 bar design pressure tuberside (TC only) <i>Versione pressione nominale 16 bar lato tubi (solo TC)</i>	x 1.03	-

NOTE

For heat exchangers made with non-standard materials, please ask always to THERMOKEY sales office to verify the relevant performances. For any special executions please contact THERMOKEY. <i>Per scambiatori di calore con materiali diversi dallo standard contattare sempre l'ufficio commerciale THERMOKEY per una verifica prestazionale. Per esecuzioni speciali contattare sempre THERMOKEY.</i>	Please contact THERMOKEY
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SHELL AND TUBE CONDENSERS AND EVAPORATORS OUT OF PRODUCTION: <i>CONDENSATORI ED EVAPORATORI A FASCIO TUBIERO FUORI PRODUZIONE:</i>	Please contact THERMOKEY
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NET EXTRA-PRICE FOR EACH ORDER ACKNOWLEDGEMENT MODIFICATION (ORDER MODIFICATION REQUESTED AFTER RECEIPT OF THE RELEVANT ORDER ACKNOWLEDGEMENT): 50,00 Eur (net price) <i>EXTRA-PREZZO NETTO VALIDO PER OGNI MODIFICA D'ORDINE CONFERMATO (MODIFICHE D'ORDINE RICHIESTE DOPO LA RICEZIONE DELLA RELATIVA CONFERMA D'ORDINE): 50,00 Eur (prezzo netto)</i>	50 Eur (net price)
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**BRAZED PLATES
HEAT EXCHANGERS**

Page	Serie	Execution	Description (version)
3	TP	standard	-
4	TP	H	high pressure
5	TP	D	with distributor
6	TP	HD	high pressure with distributor
7	TP	Dual Circuits	Dual circuits
8	TP	H Dual Circuits	Dual circuits - high pressure
9	TP	D Dual Circuits	Dual circuits - with distributor
10	TP	HD Dual Circuits	Dual circuits - high pressure with distributor
11	TP	-	Accessories for BPHE
12	TP	-	Insulations for BPHE

NOTE:

We reserve the right to change our Price List in case costs undergo substantial variations.

Ci riserviamo il diritto di modificare il nostro Listino Prezzi in caso di variazioni sostanziali dei vari elementi di costo.

TP	Serie TP / Serie TP						
	Models Execution: 30 bar (4 connections on front side)						
# PLATES	TP09	TP22	TP12	TP82	TP202	TP404	TP606
8	€ 136	€ 164	€ 172	€ 262			
10	€ 147	€ 178	€ 185	€ 282			
12	€ 158	€ 191	€ 199	€ 302			
14	€ 169	€ 204	€ 212	€ 322			
16	€ 180	€ 218	€ 225	€ 342			
18	€ 191	€ 231	€ 239	€ 362			
20	€ 202	€ 244	€ 252	€ 382	€ 776	€ 1.425	€ 2.596
22	€ 213	€ 258	€ 265	€ 402	€ 813	€ 1.482	€ 2.677
24	€ 224	€ 271	€ 279	€ 422	€ 849	€ 1.540	€ 2.759
26	€ 235	€ 284	€ 292	€ 442	€ 886	€ 1.597	€ 2.841
28	€ 246	€ 298	€ 305	€ 462	€ 923	€ 1.655	€ 2.923
30	€ 257	€ 311	€ 318	€ 482	€ 960	€ 1.712	€ 3.004
34	€ 279	€ 337	€ 345	€ 522	€ 1.034	€ 1.827	€ 3.168
40	€ 312	€ 377	€ 385	€ 582	€ 1.145	€ 1.999	€ 3.413
44			€ 412	€ 622	€ 1.218	€ 2.114	€ 3.577
50			€ 451	€ 682	€ 1.329	€ 2.286	€ 3.822
54			€ 478	€ 721	€ 1.403	€ 2.401	€ 3.986
60			€ 518	€ 781	€ 1.513	€ 2.573	€ 4.231
64			€ 545	€ 821	€ 1.587	€ 2.688	€ 4.394
70			€ 585	€ 881	€ 1.698	€ 2.860	€ 4.640
80			€ 651	€ 981	€ 1.882	€ 3.148	€ 5.048
90			€ 718	€ 1.081	€ 2.067	€ 3.435	€ 5.457
100			€ 784	€ 1.181	€ 2.251	€ 3.722	€ 5.866
110			€ 851	€ 1.280	€ 2.435	€ 4.009	€ 6.275
120			€ 917	€ 1.380	€ 2.620	€ 4.296	€ 6.684
130					€ 2.804	€ 4.583	€ 7.093
140					€ 2.989	€ 4.870	€ 7.501
150					€ 3.173	€ 5.157	€ 7.910
160					€ 3.357	€ 5.444	€ 8.319
170						€ 5.731	€ 8.728
180						€ 6.018	€ 9.137
190						€ 6.305	€ 9.545
200						€ 6.592	€ 9.954
210						€ 6.880	€ 10.363
220						€ 7.167	€ 10.772
230						€ 7.454	€ 11.181
240						€ 7.741	€ 11.590

Additional price for execution on request							
Type	TP09	TP22	TP12	TP82	TP202	TP404	TP606
Z U DU M TS DUO TC	€ 58	€ 58	€ 58	€ 74	€ 96	€ 135	€ 154

TPH	Serie TP high pressure / Serie TP alta pressione						
	Models Execution: 45 bar (4 connections on front side)						
# PLATES	TP09 H	TP22 H	TP12 H	TP82 H	TP202 H	TP404 H	TP606 H
8	€ 136	€ 216	€ 222	€ 347			
10	€ 147	€ 229	€ 236	€ 367			
12	€ 158	€ 242	€ 249	€ 387			
14	€ 169	€ 256	€ 262	€ 407			
16	€ 180	€ 269	€ 276	€ 427			
18	€ 191	€ 282	€ 289	€ 447			
20	€ 202	€ 296	€ 302	€ 467	€ 997		
22	€ 213	€ 309	€ 316	€ 487	€ 1.034		
24	€ 224	€ 322	€ 329	€ 507	€ 1.071		
26	€ 236	€ 336	€ 342	€ 527	€ 1.108		
28	€ 247	€ 349	€ 356	€ 547	€ 1.145		
30	€ 258	€ 362	€ 369	€ 567	€ 1.182		
34	€ 280	€ 389	€ 395	€ 606	€ 1.255		
40	€ 313	€ 429	€ 435	€ 666	€ 1.366		
44			€ 462	€ 706	€ 1.440		
50			€ 502	€ 766	€ 1.550		
54			€ 529	€ 806	€ 1.624		
60			€ 568	€ 866	€ 1.735		
64			€ 595	€ 906	€ 1.809		
70			€ 635	€ 966	€ 1.919		
80			€ 701	€ 1.066	€ 2.104		
90			€ 768	€ 1.165	€ 2.288		
100			€ 835	€ 1.265	€ 2.472		
110			€ 901	€ 1.365	€ 2.657		
120			€ 968	€ 1.465	€ 2.841		
130					€ 3.026		
140					€ 3.210		
150					€ 3.394		
160					€ 3.579		
170							
180							
190							
200							
210							
220							
230							
240							

Additional price for execution on request							
Type	TP09 H	TP22 H	TP12 H	TP82 H	TP202 H	TP404 H	TP606 H
Z U DU M TS DUO TC	€ 58	€ 58	€ 58	€ 74	€ 96		

TPD	Serie TPD with distributor / Serie TPD con distributore						
	Models Execution: 30 bar (4 connections on front side)						
# PLATES	TP09 D	TP22 D	TP12 D	TP82 D	TP202 D	TP404 D	TP606 D
8			€ 179	€ 269			
10			€ 194	€ 291			
12			€ 209	€ 313			
14			€ 224	€ 334			
16			€ 239	€ 356			
18			€ 254	€ 378			
20			€ 269	€ 399	€ 800	€ 1.442	€ 2.786
22			€ 284	€ 421	€ 840	€ 1.501	€ 2.886
24			€ 299	€ 443	€ 879	€ 1.561	€ 2.987
26			€ 314	€ 464	€ 918	€ 1.620	€ 3.088
28			€ 329	€ 486	€ 958	€ 1.679	€ 3.189
30			€ 344	€ 508	€ 997	€ 1.738	€ 3.289
34			€ 374	€ 551	€ 1.076	€ 1.856	€ 3.491
40			€ 419	€ 616	€ 1.194	€ 2.034	€ 3.793
44			€ 449	€ 659	€ 1.272	€ 2.152	€ 3.995
50			€ 494	€ 724	€ 1.390	€ 2.329	€ 4.297
54			€ 524	€ 768	€ 1.469	€ 2.448	€ 4.499
60			€ 569	€ 833	€ 1.587	€ 2.625	€ 4.801
64			€ 599	€ 876	€ 1.666	€ 2.743	€ 5.003
70			€ 644	€ 941	€ 1.784	€ 2.921	€ 5.305
80			€ 719	€ 1.049	€ 1.981	€ 3.217	€ 5.809
90			€ 794	€ 1.158	€ 2.177	€ 3.512	€ 6.313
100			€ 870	€ 1.266	€ 2.374	€ 3.808	€ 6.816
110			€ 945	€ 1.374	€ 2.571	€ 4.104	€ 7.320
120			€ 1.020	€ 1.483	€ 2.767	€ 4.399	€ 7.824
130					€ 2.964	€ 4.695	€ 8.328
140					€ 3.161	€ 4.991	€ 8.832
150					€ 3.358	€ 5.287	€ 9.336
160					€ 3.554	€ 5.582	€ 9.839
170						€ 5.878	€ 10.343
180						€ 6.174	€ 10.847
190						€ 6.470	€ 11.351
200						€ 6.765	€ 11.855
210						€ 7.061	€ 12.359
220						€ 7.357	€ 12.863
230						€ 7.652	€ 13.366
240						€ 7.948	€ 13.870

Additional price for execution on request							
Type	TP09 D	TP22 D	TP12 D	TP82 D	TP202 D	TP404 D	TP606 D
Z U DU M TS DUO TC			€ 58	€ 74	€ 96	€ 135	€ 154

TPHD	Serie TP high pressure with distributor / Serie TP alta pressione con distributore						
	Models Execution: 45 bar (4 connections on front side)						
# PLATES	TP09 HD	TP22 HD	TP12 HD	TP82 HD	TP202 HD	TP404 HD	TP606 HD
8			€ 229	€ 354			
10			€ 244	€ 375			
12			€ 259	€ 397			
14			€ 274	€ 419			
16			€ 289	€ 440			
18			€ 304	€ 462			
20			€ 319	€ 484	€ 1.022		
22			€ 334	€ 505	€ 1.061		
24			€ 349	€ 527	€ 1.101		
26			€ 364	€ 549	€ 1.140		
28			€ 379	€ 570	€ 1.180		
30			€ 394	€ 592	€ 1.219		
34			€ 424	€ 636	€ 1.298		
40			€ 470	€ 701	€ 1.416		
44			€ 500	€ 744	€ 1.494		
50			€ 545	€ 809	€ 1.613		
54			€ 575	€ 852	€ 1.691		
60			€ 620	€ 917	€ 1.809		
64			€ 650	€ 961	€ 1.888		
70			€ 695	€ 1.026	€ 2.006		
80			€ 770	€ 1.134	€ 2.203		
90			€ 845	€ 1.242	€ 2.400		
100			€ 920	€ 1.351	€ 2.597		
110			€ 995	€ 1.459	€ 2.793		
120			€ 1.070	€ 1.567	€ 2.990		
130					€ 3.187		
140					€ 3.384		
150					€ 3.581		
160					€ 3.777		
170							
180							
190							
200							
210							
220							
230							
240							

Additional price for execution on request							
Type	TP09 HD	TP22 HD	TP12 HD	TP82 HD	TP202 HD	TP404 HD	TP606 HD
Z U DU M TS DUO TC			€ 58	€ 74	€ 96		

TP DualCircuit	Serie TP Dual Circuit / Serie TP Bicircuito	
	Models Execution: 30 bar	
# PLATES	TP222	TP424
14	€ 882	€ 2.101
18	€ 957	€ 2.227
22	€ 1.032	€ 2.352
26	€ 1.107	€ 2.478
30	€ 1.183	€ 2.603
34	€ 1.258	€ 2.729
38	€ 1.333	€ 2.854
42	€ 1.409	€ 2.980
46	€ 1.484	€ 3.105
50	€ 1.559	€ 3.231
54	€ 1.635	€ 3.356
58	€ 1.710	€ 3.482
62	€ 1.785	€ 3.607
66	€ 1.861	€ 3.733
70	€ 1.936	€ 3.858
74	€ 2.011	€ 3.984
78	€ 2.087	€ 4.109
82	€ 2.162	€ 4.235
86	€ 2.237	€ 4.360
90	€ 2.312	€ 4.486
94	€ 2.388	€ 4.612
98	€ 2.463	€ 4.737
102	€ 2.538	€ 4.863
106	€ 2.614	€ 4.988
110	€ 2.689	€ 5.114
114	€ 2.764	€ 5.239
118	€ 2.840	€ 5.365
122	€ 2.915	€ 5.490
126	€ 2.990	€ 5.616
130	€ 3.066	€ 5.741
134	€ 3.141	€ 5.867
138	€ 3.216	€ 5.992
142	€ 3.291	€ 6.118
146	€ 3.367	€ 6.243
150	€ 3.442	€ 6.369
154	€ 3.517	€ 6.494
158	€ 3.593	€ 6.620
162	€ 3.668	€ 6.745
166	€ 3.743	€ 6.871
170	€ 3.819	€ 6.996
174	€ 3.894	€ 7.122
178	€ 3.969	€ 7.247
182	€ 4.045	€ 7.373
186	€ 4.120	€ 7.498
190	€ 4.195	€ 7.624
194	€ 4.270	€ 7.749
198	€ 4.346	€ 7.875
202	€ 4.421	€ 8.000
206	€ 4.496	€ 8.126
210	€ 4.572	€ 8.251
214	€ 4.647	€ 8.377
218	€ 4.722	€ 8.502
222	€ 4.798	€ 8.628
226	€ 4.873	€ 8.754
230	€ 4.948	€ 8.879
234	€ 5.024	€ 9.005
238	€ 5.099	€ 9.130
242	€ 5.174	€ 9.256

TPH DualCircuit	Serie TP Dual Circuit high pressure / Serie TP Bicircuito alta pressione	
	Models Execution: 45 bar	
# PLATES	TP222 H	TP424 H
14	€ 1.121	€ 2.600
18	€ 1.196	€ 2.725
22	€ 1.272	€ 2.851
26	€ 1.348	€ 2.976
30	€ 1.423	€ 3.102
34	€ 1.499	€ 3.227
38	€ 1.575	€ 3.353
42	€ 1.651	€ 3.478
46	€ 1.726	€ 3.604
50	€ 1.802	€ 3.729
54	€ 1.878	€ 3.855
58	€ 1.953	€ 3.980
62	€ 2.029	€ 4.106
66	€ 2.105	€ 4.231
70	€ 2.181	€ 4.357
74	€ 2.256	€ 4.482
78	€ 2.332	€ 4.608
82	€ 2.408	€ 4.733
86	€ 2.483	€ 4.859
90	€ 2.559	€ 4.984
94	€ 2.635	€ 5.110
98	€ 2.710	€ 5.235
102	€ 2.786	€ 5.361
106	€ 2.862	€ 5.486
110	€ 2.938	€ 5.612
114	€ 3.013	€ 5.737
118	€ 3.089	€ 5.863
122	€ 3.165	€ 5.988
126	€ 3.240	€ 6.114
130	€ 3.316	€ 6.239
134	€ 3.392	€ 6.365
138	€ 3.468	€ 6.490
142	€ 3.543	€ 6.616
146	€ 3.619	€ 6.742
150	€ 3.695	€ 6.867
154	€ 3.770	€ 6.993
158	€ 3.846	€ 7.118
162	€ 3.922	€ 7.244
166	€ 3.997	€ 7.369
170	€ 4.073	€ 7.495
174	€ 4.149	€ 7.620
178	€ 4.225	€ 7.746
182	€ 4.300	€ 7.871
186	€ 4.376	€ 7.997
190	€ 4.452	€ 8.122
194	€ 4.527	€ 8.248
198	€ 4.603	€ 8.373
202	€ 4.679	€ 8.499
206	€ 4.755	€ 8.624
210	€ 4.830	€ 8.750
214	€ 4.906	€ 8.875
218	€ 4.982	€ 9.001
222	€ 5.057	€ 9.126
226	€ 5.133	€ 9.252
230	€ 5.209	€ 9.377
234	€ 5.284	€ 9.503
238	€ 5.360	€ 9.628
242	€ 5.436	€ 9.754

TPD DualCircuit	Serie TP Dual Circuit with distributor / Serie TP Bicircuito con distributore	
	Models Execution: 30 bar	
# PLATES	TP222 D	TP424 D
14	€ 900	€ 2.118
18	€ 981	€ 2.249
22	€ 1.061	€ 2.379
26	€ 1.142	€ 2.510
30	€ 1.223	€ 2.640
34	€ 1.303	€ 2.771
38	€ 1.384	€ 2.901
42	€ 1.465	€ 3.032
46	€ 1.545	€ 3.162
50	€ 1.626	€ 3.292
54	€ 1.707	€ 3.423
58	€ 1.787	€ 3.553
62	€ 1.868	€ 3.684
66	€ 1.948	€ 3.814
70	€ 2.029	€ 3.945
74	€ 2.110	€ 4.075
78	€ 2.190	€ 4.205
82	€ 2.271	€ 4.336
86	€ 2.352	€ 4.466
90	€ 2.432	€ 4.597
94	€ 2.513	€ 4.727
98	€ 2.593	€ 4.858
102	€ 2.674	€ 4.988
106	€ 2.755	€ 5.119
110	€ 2.835	€ 5.249
114	€ 2.916	€ 5.379
118	€ 2.997	€ 5.510
122	€ 3.077	€ 5.640
126	€ 3.158	€ 5.771
130	€ 3.239	€ 5.901
134	€ 3.319	€ 6.032
138	€ 3.400	€ 6.162
142	€ 3.480	€ 6.293
146	€ 3.561	€ 6.423
150	€ 3.642	€ 6.553
154	€ 3.722	€ 6.684
158	€ 3.803	€ 6.814
162	€ 3.884	€ 6.945
166	€ 3.964	€ 7.075
170	€ 4.045	€ 7.206
174	€ 4.125	€ 7.336
178	€ 4.206	€ 7.467
182	€ 4.287	€ 7.597
186	€ 4.367	€ 7.727
190	€ 4.448	€ 7.858
194	€ 4.529	€ 7.988
198	€ 4.609	€ 8.119
202	€ 4.690	€ 8.249
206	€ 4.771	€ 8.380
210	€ 4.851	€ 8.510
214	€ 4.932	€ 8.640
218	€ 5.012	€ 8.771
222	€ 5.093	€ 8.901
226	€ 5.174	€ 9.032
230	€ 5.254	€ 9.162
234	€ 5.335	€ 9.293
238	€ 5.416	€ 9.423
242	€ 5.496	€ 9.554

TPHD DualCircuit	Serie TP Dual Circuit high pressure with distributor / Serie TP Bicircuito alta pressione con distributore	
	Models Execution: 45 bar	
# PLATES	TP222 HD	TP424 HD
14	€ 1.138	€ 2.616
18	€ 1.219	€ 2.746
22	€ 1.299	€ 2.877
26	€ 1.380	€ 3.007
30	€ 1.460	€ 3.138
34	€ 1.541	€ 3.268
38	€ 1.622	€ 3.398
42	€ 1.702	€ 3.529
46	€ 1.783	€ 3.659
50	€ 1.864	€ 3.790
54	€ 1.944	€ 3.920
58	€ 2.025	€ 4.051
62	€ 2.105	€ 4.181
66	€ 2.186	€ 4.312
70	€ 2.267	€ 4.442
74	€ 2.347	€ 4.572
78	€ 2.428	€ 4.703
82	€ 2.509	€ 4.833
86	€ 2.589	€ 4.964
90	€ 2.670	€ 5.094
94	€ 2.751	€ 5.225
98	€ 2.831	€ 5.355
102	€ 2.912	€ 5.485
106	€ 2.992	€ 5.616
110	€ 3.073	€ 5.746
114	€ 3.154	€ 5.877
118	€ 3.234	€ 6.007
122	€ 3.315	€ 6.138
126	€ 3.396	€ 6.268
130	€ 3.476	€ 6.399
134	€ 3.557	€ 6.529
138	€ 3.637	€ 6.659
142	€ 3.718	€ 6.790
146	€ 3.799	€ 6.920
150	€ 3.879	€ 7.051
154	€ 3.960	€ 7.181
158	€ 4.041	€ 7.312
162	€ 4.121	€ 7.442
166	€ 4.202	€ 7.573
170	€ 4.283	€ 7.703
174	€ 4.363	€ 7.833
178	€ 4.444	€ 7.964
182	€ 4.524	€ 8.094
186	€ 4.605	€ 8.225
190	€ 4.686	€ 8.355
194	€ 4.766	€ 8.486
198	€ 4.847	€ 8.616
202	€ 4.928	€ 8.746
206	€ 5.008	€ 8.877
210	€ 5.089	€ 9.007
214	€ 5.169	€ 9.138
218	€ 5.250	€ 9.268
222	€ 5.331	€ 9.399
226	€ 5.411	€ 9.529
230	€ 5.492	€ 9.660
234	€ 5.573	€ 9.790
238	€ 5.653	€ 9.920
242	€ 5.734	€ 10.051
246	€ 5.815	€ 10.181
250	€ 5.895	€ 10.312

ACCESSORIES: Compact Flanges	Price	TP MODELS (only for models where price is indicated)										NOTES
		TP 09	TP 22	TP 12	TP 82	TP 202	TP 404	TP 222	TP 424	TP 606	TP 404 long	
* Compacflange DN65 - material: 1.4404	[€/1pc]					€ 199	€ 199			€ 199		PRICE FOR: 1 flange + 1 counterflange (+ O-Rings & bolts)
Counterflange for Compacflange DN65 material: 1.4404 (stainless steel)	[€/1pc]					€ 143	€ 143			€ 143		PRICE FOR: the single counterflange only
* Compacflange DN80 - material: 1.4404	[€/1pc]						€ 161			€ 161		PRICE FOR: 1 flange + 1 counterflange (+ O-Rings & bolts)
Counterflange for Compacflange DN80 material: 1.4404 (stainless steel)	[€/1pc]						€ 137			€ 137		PRICE FOR: the single counterflange only
* Compacflange DN100 - material: 1.4404	[€/1pc]						€ 238			€ 238		PRICE FOR: 1 flange + 1 counterflange (+ O-Rings & bolts)
Counterflange for Compacflansch DN100 material: 1.4404 (stainless steel)	[€/1pc]						€ 196			€ 196		PRICE FOR: the single counterflange only
* Note: The Compact flanges are delivered with the counterflange, O-Rings, bolts												

ACCESSORIES: Bolts, Supports, Long and Victaulic connections INOX	Price	TP MODELS (only for models where price is indicated)										NOTES
		TP 09	TP 22	TP 12	TP 82	TP 202	TP 404	TP 222	TP 424	TP 606	TP 404 long	
Threaded stud bolts male M8x25	[€/1pc]	€ 3	€ 3	€ 3	€ 3							suitable for heat exchangers: TP09, TP22, TP12, TP82
Threaded stud bolts male M10x25	[€/1pc]					€ 3	€ 3	€ 3	€ 3	€ 3		suitable for heat exchangers: TP202, TP222, TP404, TP424, TP606
Threaded stud bolts male M12x25	[€/1pc]	€ 4	€ 4	€ 4	€ 4	€ 4	€ 4	€ 4	€ 4	€ 4	€ 4	only on request
* Kit Support Legs (A) additional 4 pcs. stud bolts M 8 x 25	[€/1set]	€ 43	€ 43	€ 43	€ 43							suitable for heat exchangers: TP09, TP22, TP12, TP82
* Kit Support Legs + Brackets (B) additional 8 pcs. stud bolts M 10 x 25	[€/1set]					€ 68	€ 68					suitable for heat exchangers: TP202, TP404
* Kit Support Legs + Brackets (C) additional 8 pcs. stud bolts M 10 x 25	[€/1set]							€ 57	€ 57			suitable for heat exchangers: TP222, TP424
* Kit Support Legs + Brackets (D) additional 8 pcs. stud bolts M 10 x 25	[€/1set]									€ 188		suitable for heat exchangers: TP606
* Kit Support Legs + Brackets (E) additional 8 pcs. stud bolts M 10 x 25	[€/1set]										€ 116	suitable for heat exchangers: TP404 long
Extra cost for long connection 3/4" ISO G Threaded male inox	[€/1pc]	€ 8	€ 8									suitable for heat exchangers: TP09, TP22
Extra cost for long connection 1" ISO G Threaded male inox	[€/1pc]			€ 13	€ 13							suitable for heat exchangers: TP12, TP82
Extra cost for long connection 2" ISO G Threaded male inox	[€/1pc]					€ 25		€ 25				suitable for heat exchangers: TP202, TP222
Extra cost for long connection 2 1/2" ISO G Threaded male inox	[€/1pc]						€ 64					suitable for heat exchangers: TP404
Extra cost for Victaulic connection DN32 (1 1/4") inox	[€/1pc]			€ 13	€ 13							suitable for heat exchangers: TP12, TP82
Extra cost for Victaulic connection DN40 (1 1/2") inox	[€/1pc]			€ 23	€ 23							suitable for heat exchangers: TP12, TP82
Extra cost for Victaulic connection DN65 (2 1/2") inox	[€/1pc]					€ 37	€ 37	€ 37	€ 37			suitable for heat exchangers: TP202, TP222, TP404, TP424
Extra cost for Victaulic connection DN32 (1 1/4") long inox	[€/1pc]			€ 32	€ 32							suitable for heat exchangers: TP12, TP82
Extra cost for Victaulic connection DN40 (1 1/2") long inox	[€/1pc]			€ 42	€ 42							suitable for heat exchangers: TP12, TP82
Extra cost for Victaulic connection DN65 (2 1/2") long inox	[€/1pc]					€ 69	€ 69	€ 69	€ 69			suitable for heat exchangers: TP202, TP222, TP404, TP424
* Note: The Kits of support and stud bolts are in stainless steel AISI 304 and includes both legs and lifting galfares												

Insulations / Isolamenti				
BPHE Model	# PLATES	Boxes	NBR Set thickness 8 mm	NBR Set thickness 16 mm
		(coibentazione)	(isolamento)	(isolamento)
		Price all parts	Price all parts	Price all parts
TP09	0-20	N.A.	€ 24	€ 50
	22-40	N.A.	€ 28	€ 58
	42-60	N.A.		
	62-80	N.A.		
TP22	0-20	N.A.	€ 31	€ 65
	22-40	N.A.	€ 35	€ 73
	42-60	N.A.		
	62-80	N.A.		
TP12	0-30	€ 56	€ 28	€ 58
	32-70	€ 67	€ 31	€ 65
	72-100	€ 122	€ 35	€ 73
			€ 37	€ 77
			€ 39	€ 81
TP82	0-34	€ 65	€ 35	€ 73
	36-74	€ 73	€ 39	€ 81
	76-100	€ 89	€ 46	€ 96
	102-120	€ 154	€ 50	€ 104
			€ 55	€ 115
TP202	0-56	€ 117	€ 57	€ 119
	58-94	€ 133	€ 62	€ 129
	96-136	€ 165	€ 68	€ 142
	138-220	€ 207	€ 75	€ 158
	222-240	€ 324	€ 82	€ 173
			€ 91	€ 192
TP222	0-20	N.A.	€ 57	€ 119
	22-40	N.A.	€ 62	€ 129
	42-60	N.A.	€ 68	€ 142
	62-80	N.A.	€ 75	€ 158
	82-100	N.A.	€ 82	€ 173
	102-120	N.A.	€ 91	€ 192
	122-140	N.A.	€ 95	€ 200
TP404	0-56	€ 155	€ 73	€ 154
	58-104	€ 243	€ 77	€ 163
	106-182	€ 285	€ 85	€ 179
	184-240	€ 440	€ 93	€ 196
			€ 101	€ 213
			€ 110	€ 231
TP424	0-20	N.A.	€ 73	€ 154
	22-40	N.A.	€ 77	€ 163
	42-60	N.A.	€ 85	€ 179
	62-80	N.A.	€ 93	€ 196
	82-100	N.A.	€ 101	€ 213
	102-120	N.A.	€ 110	€ 231
	122-140	N.A.	€ 118	€ 248
TP606	0-20	N.A.		
	22-40	N.A.		
	42-60	N.A.	€ 117	€ 246
	62-80	N.A.	€ 125	€ 263
	82-100	N.A.	€ 136	€ 286
	102-120	N.A.	€ 147	€ 309
122-140	N.A.	€ 158	€ 332	