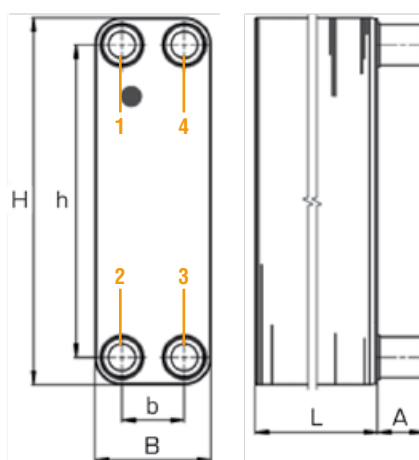




> PRODUCT FEATURES

- Stainless steel plate heat exchangers (AISI 316L), copper brazed, for medium and small power plants
- Single-pass circuit in counter-current with four threaded stainless steel connections (AISI 304)
- Ideal for replacing a heat generator in an existing system or to combine it with systems with high flow rates

- Maximum operating pressure: 16 bar
- Max operating temperature: 200°C



KEY

- 1 Primary circuit 1" inlet
- 2 Primary circuit 1" outlet
- 3 Secondary circuit 1" inlet
- 4 Secondary circuit 1" outlet

MODEL	H	h	B	b	L	A	WEIGHT
	mm	mm	mm	mm	mm	mm	Kg
SHE 380 10P	380	320	123	64	35.4	22	3.47
SHE 380 20P	380	320	123	64	58.3	22	4.77
SHE 380 30P	380	320	123	64	81.2	22	6.07
SHE 380 50P	380	320	123	64	127.0	22	8.67

BRAZED PLATE EXCHANGER						ACCESSORIES		
MODEL	POWER (kW)	NO. OF PLATES	CONNECTIONS	CODE	PRICE	MODEL	CODE	PRICE
SHE 380 10P	20	10	1"	052676X0	00	Insulation kit SHE 380 10P	052701X0	00
SHE 380 20P	45	20	1"	052677X0	00	Insulation kit SHE 380 20P	052701X0	00
SHE 380 30P	65	30	1"	052678X0	00	Insulation kit SHE 380 30P	052701X0	00
SHE 380 50P	110	50	1"	052679X0	00	Insulation kit SHE 380 50P	052702X0	00

HEAT EXCHANGERS WITH INSPECTABLE STEEL PLATES



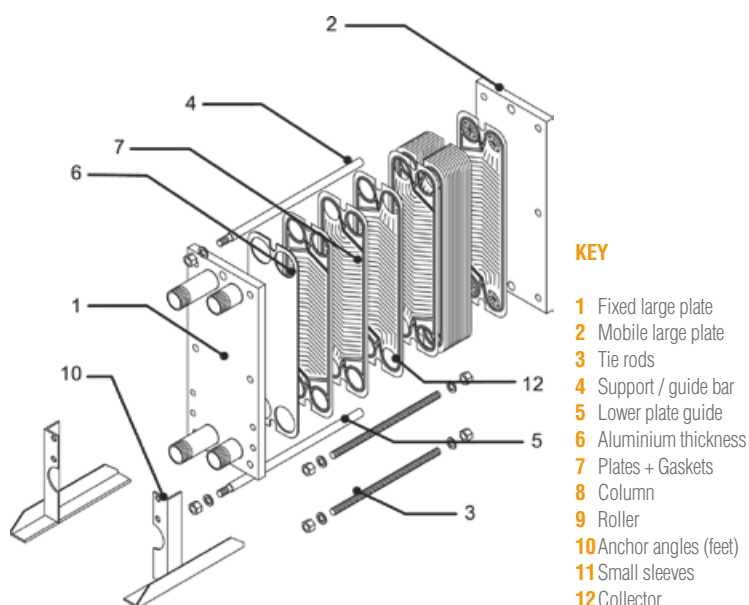
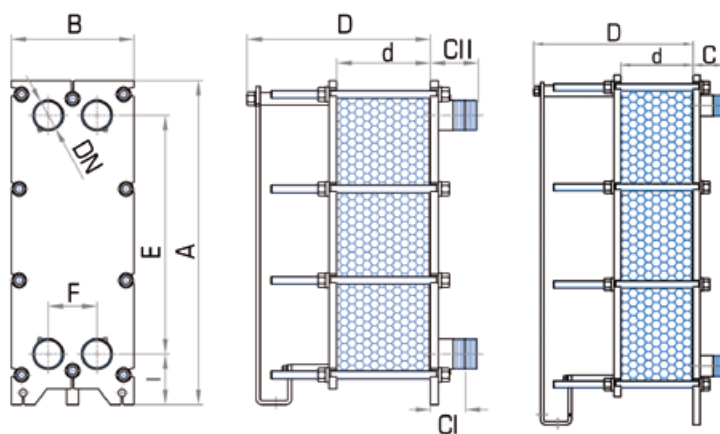
> PRODUCT FEATURES

- Stainless steel plate inspectable heat exchangers (AISI 316L), for medium and small power plants
 - Single-pass circuit in counter-current with four threaded stainless steel connections (AISI 316)
 - Plug-in NBR gaskets (installed without glue or silicones)
 - The optional kits of ground support brackets and insulation are available for the entire range
 - Ideal for replacing a heat generator in an existing system or to combine it with systems with high flow rates
-
- Maximum operating pressure: 10 bar
 - Max operating temperature: 100°C

INSPECTABLE PLATE EXCHANGER						ACCESSORIES		
MODEL	POWER (kW)	NO. OF PLATES	CONNECTIONS	CODE	PRICE	MODEL	CODE	PRICE
PHE 32380 11P	20	11	1"1/4	052680X0	00	Insulation kit PHE 32/90	052703X0	00
						Brackets kit DN32	052699X0	00
PHE 32380 19P	45	19	1"1/4	052681X0	00	Insulation kit PHE 32/90	052703X0	00
						Brackets kit DN32	052699X0	00
PHE 32380 29P	70	29	1"1/4	052682X0	00	Insulation kit PHE 32/90	052703X0	00
						Brackets kit DN32	052699X0	00
PHE 32380 41P	110	41	1"1/4	052683X0	00	Insulation kit PHE 32/140	052704X0	00
						Brackets kit DN32	052699X0	00
PHE 32380 47P	125	47	1"1/4	052684X0	00	Insulation kit PHE 32/140	052704X0	00
						Brackets kit DN32	052699X0	00
PHE 32380 53P	140	53	1"1/4	052685X0	00	Insulation kit PHE 32/160	052705X0	00
						Brackets kit DN32	052699X0	00
PHE 50420 35P	220	35	2"	052686X0	00	Insulation kit PHE 50/110	052706X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 43P	265	43	2"	052687X0	00	Insulation kit PHE 50/210	052707X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 53P	320	53	2"	052688X0	00	Insulation kit PHE 50/210	052707X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 59P	375	59	2"	052689X0	00	Insulation kit PHE 50/210	052707X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 67P	440	67	2"	052690X0	00	Insulation kit PHE 50/210	052707X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 71P	470	71	2"	052691X0	00	Insulation kit PHE 50/210	052707X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 81P	540	81	2"	052692X0	00	Insulation kit PHE 50/290	052708X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 85P	565	85	2"	052693X0	00	Insulation kit PHE 50/290	052708X0	00
						Brackets kit DN 50	052700X0	00
PHE 50420 97P	640	97	2"	052694X0	00	Insulation kit PHE 50/290	052708X0	00
						Brackets kit DN 50	052700X0	00
PHE 50750 71P	660	71	2"	052695X0	00	Insulation kit PHE 50/210	052707X0	00
						Brackets kit DN 50	052700X0	00
PHE 50750 79P	760	79	2"	052696X0	00	Insulation kit PHE 50/290	052708X0	00
						Brackets kit DN 50	052700X0	00
PHE 50750 89P	860	89	2"	052697X0	00	Insulation kit PHE 50/290	052708X0	00
						Brackets kit DN 50	052700X0	00
PHE 50750 99P	960	99	2"	052698X0	00	Insulation kit PHE 50/290	052708X0	00
						Brackets kit DN 50	052700X0	00

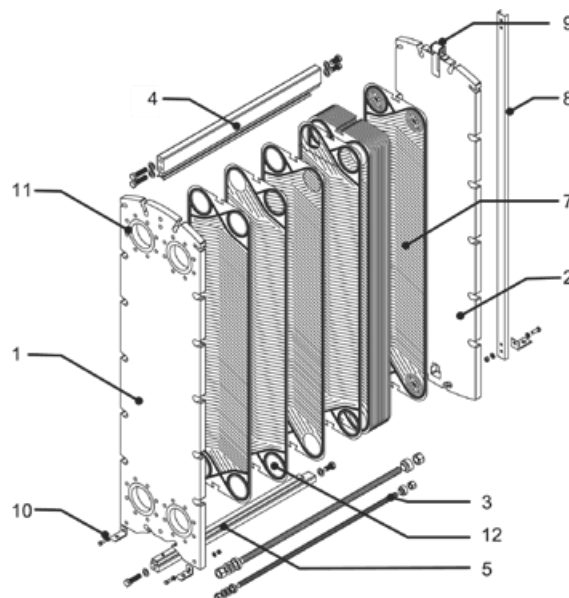
> DIMENSIONS

MODEL	A	E	B	D (max)	I	Weight
	mm	mm	mm	mm	mm	Kg
PHE 32380 11P	470	380	200	169	45	32
PHE 32380 19P	470	380	200	169	45	35
PHE 32380 29P	470	380	200	169	45	37
PHE 32380 41P	470	380	200	269	45	42
PHE 32380 47P	470	380	200	269	45	43
PHE 32380 53P	470	380	200	469	45	47
PHE 50420 35P	678	420	310	319	170	96
PHE 50420 43P	678	420	310	459	170	103
PHE 50420 53P	678	420	310	459	170	109
PHE 50420 59P	678	420	310	459	170	112
PHE 50420 67P	678	420	310	459	170	116
PHE 50420 71P	678	420	310	459	170	118
PHE 50420 81P	720	420	310	599	170	127
PHE 50420 85P	720	420	310	599	170	129
PHE 50420 97P	720	420	310	599	170	135
PHE50750 71P	1008	750	310	459	170	180
PHE 50750 79P	1050	750	310	599	170	190
PHE 50750 89P	1050	750	310	599	170	199
PHE 50750 99P	1050	750	310	599	170	207



KEY

- 1 Fixed large plate
- 2 Mobile large plate
- 3 Tie rods
- 4 Support / guide bar
- 5 Lower plate guide
- 6 Aluminium thickness
- 7 Plates + Gaskets
- 8 Column
- 9 Roller
- 10 Anchor angles (feet)
- 11 Small sleeves
- 12 Collector

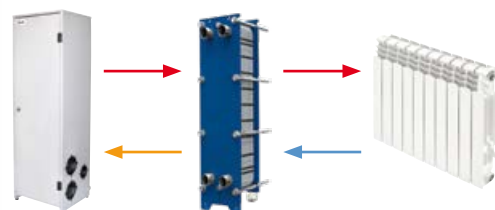


GASKETS KIT	CODE	PRICE
Gaskets kit PHE 32380 11P	052709X0	00
Gaskets kit PHE 32380 19P	052710X0	00
Gaskets kit PHE 32380 29P	052711X0	00
Gaskets kit PHE 32380 41P	052712X0	00
Gaskets kit PHE 32380 47P	052713X0	00
Gaskets kit PHE 32380 53P	052714X0	00
Gaskets kit PHE 50420 35P	052715X0	00
Gaskets kit PHE 50420 43P	052716X0	00
Gaskets kit PHE 50420 53P	052717X0	00
Gaskets kit PHE 50420 59P	052718X0	00
Gaskets kit PHE 50420 67P	052719X0	00
Gaskets kit PHE 50420 71P	052720X0	00
Gaskets kit PHE 50420 81P	052721X0	00
Gaskets kit PHE 50420 85P	052722X0	00
Gaskets kit PHE 50420 97P	052723X0	00
Gaskets kit PHE 50750 71P	052724X0	00
Gaskets kit PHE 50750 79P	052725X0	00
Gaskets kit PHE 50750 89P	052726X0	00
Gaskets kit PHE 50750 99P	052727X0	00

> BOILER ON HIGH TEMPERATURE SYSTEMS

EXCHANGED POWER (kW)	MODEL	CODE	PRIMARY: 80 / 60°C		SECONDARY: 50 / 70°C	
			FLOW RATES	PRESSURE DROPS	FLOW RATES	PRESSURE DROPS
			(m³/h)	(m.c.H ₂ O)	(m³/h)	(m.c.H ₂ O)
20	SHE 380 10P	052676X0	0.90	1.02	0.900	0.704
45	SHE 380 20P	052677X0	2.00	1.15	2.000	0.995
65	SHE 380 30P	052678X0	2.90	1.20	2.800	1.116
110	SHE 380 50P	052679X0	4.80	2.26	4.800	2.169
20	PHE 32380 11P	052680X0	0.88	0.446	0.88	0.439
45	PHE 32380 19P	052681X0	1.98	0.717	1.97	0.707
70	PHE 32380 29P	052682X0	3.08	0.769	3.06	0.758
110	PHE 32380 41P	052683X0	4.83	1.039	4.81	1.026
125	PHE 32380 47P	052684X0	5.49	1.084	5.47	1.071
140	PHE 32380 53P	052685X0	6.15	1.141	6.13	1.128
220	PHE 50420 35P	052686X0	9.67	1.319	9.63	1.319
265	PHE 50420 43P	052687X0	11.64	1.3	11.59	1.3
320	PHE 50420 53P	052688X0	14.06	1.302	14.00	1.302
375	PHE 50420 59P	052689X0	16.48	1.478	16.41	1.477
440	PHE 50420 67P	052690X0	19.33	1.643	19.25	1.642
470	PHE 50420 71P	052691X0	20.65	1.708	20.56	1.707
540	PHE 50420 81P	052692X0	23.73	1.844	23.63	1.843
565	PHE 50420 85P	052693X0	24.83	1.883	24.72	1.882
640	PHE 50420 97P	052694X0	28.12	2.019	28.00	2.016
660	PHE50750 71P	052695X0	29.00	1.552	28.88	1.533
760	PHE 50750 79P	052696X0	33.39	1.849	33.25	1.849
860	PHE 50750 89P	052697X0	37.79	2.135	37.63	2.135
960	PHE 50750 99P	052698X0	42.18	2.456	42.00	2.454

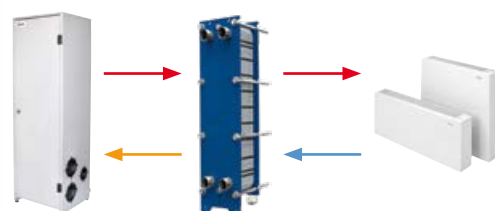
TYPE OF SYSTEM	GENERATOR / TERMINAL	TEMPERATURES	
		Temp. IN	Temp. OUT
Primary	Boiler	80°C	60°C
Secondary	Radiators / Fan Coils	50°C	70°C



> BOILER ON SYSTEMS WITH FAN COILS OR OVERSIZED RADIATORS

EXCHANGED POWER (kW)	MODEL	CODE	PRIMARY: 70 / 50°C		SECONDARY: 30 / 50°C	
			FLOW RATES	PRESSURE DROPS	FLOW RATES	PRESSURE DROPS
			(m³/h)	(m.c.H ₂ O)	(m³/h)	(m.c.H ₂ O)
20	SHE 380 10P	052676X0	0.90	1.040	0.900	0.742
45	SHE 380 20P	052677X0	2.00	1.170	2.000	1.041
65	SHE 380 30P	052678X0	2.80	1.220	2.800	1.158
110	SHE 380 50P	052679X0	4.80	2.286	4.800	2.231
20	PHE 32380 11P	052680X0	0.88	0.446	0.875	0.439
45	PHE 32380 19P	052681X0	1.97	0.216	1.9534	0.218
70	PHE 32380 29P	052682X0	3.06	0.761	3.04	0.735
110	PHE 32380 41P	052683X0	4.81	1.027	4.78	0.994
125	PHE 32380 47P	052684X0	5.47	1.070	5.43	1.038
140	PHE 32380 53P	052685X0	6.12	1.125	6.08	1.094
220	PHE 50420 35P	052686X0	9.62	0.309	9.55	0.306
265	PHE 50420 43P	052687X0	11.59	0.329	11.5	0.333
320	PHE 50420 53P	052688X0	14.00	0.378	13.89	0.380
375	PHE 50420 59P	052689X0	16.40	0.462	16.28	0.646
440	PHE 50420 67P	052690X0	19.25	0.565	19.1	0.566
470	PHE 50420 71P	052691X0	20.56	0.615	20.4	0.615
540	PHE 50420 81P	052692X0	23.62	0.737	23.44	0.737
565	PHE 50420 85P	052693X0	24.72	0.782	24.53	0.782
640	PHE 50420 97P	052694X0	28.00	0.932	27.78	0.938
660	PHE50750 71P	052695X0	28.87	1.543	28.65	1.543
760	PHE 50750 79P	052696X0	33.25	1.834	32.99	1.835
860	PHE 50750 89P	052697X0	37.62	2.110	37.33	2.11
960	PHE 50750 99P	052698X0	41.99	2.420	41.67	2.42

TYPE OF SYSTEM	GENERATOR / TERMINAL	TEMPERATURES	
		Temp. IN	Temp. OUT
Primary	Boiler	70°C	50°C
Secondary	Radiators / Fan Coils	30°C	50°C



> BOILER ON LOW TEMPERATURE SYSTEMS

EXCHANGED POWER (kW)	MODEL	CODE	PRIMARY: 60 / 40°C		SECONDARY: 30 / 40°C	
			FLOW RATES	PRESSURE DROPS	FLOW RATES	PRESSURE DROPS
			(m³/h)	(m.c.H ₂ O)	(m³/h)	(m.c.H ₂ O)
20	SHE 380 10P	052676X0	0.90	1.066	1.70	2.668
45	SHE 380 20P	052677X0	2.00	1.196	3.90	3.792
65	SHE 380 30P	052678X0	2.80	1.242	5.60	4.284
110	SHE 380 50P	052679X0	4.80	2.318	9.50	8.385
20	PHE 32380 11P	052680X0	0.87	0.442	1.73	1.686
45	PHE 32380 19P	052681X0	1.96	0.710	3.90	2.715
70	PHE 32380 29P	052682X0	3.05	0.760	6.07	2.916
110	PHE 32380 41P	052683X0	4.79	1.026	9.53	3.951
125	PHE 32380 47P	052684X0	5.45	1.069	10.83	4.126
140	PHE 32380 53P	052685X0	6.12	1.125	12.13	4.349
220	PHE 50420 35P	052686X0	9.59	1.344	19.07	4.951
265	PHE 50420 43P	052687X0	11.55	1.323	22.97	4.885
320	PHE 50420 53P	052688X0	13.94	1.322	27.73	4.900
375	PHE 50420 59P	052689X0	16.33	1.498	32.50	5.567
440	PHE 50420 67P	052690X0	19.17	1.662	38.13	6.198
470	PHE 50420 71P	052691X0	20.48	1.726	40.73	6.448
540	PHE 50420 81P	052692X0	23.53	1.859	46.80	6.975
565	PHE 50420 85P	052693X0	26.62	1.897	48.96	7.128
640	PHE 50420 97P	052694X0	27.89	2.028	55.46	7.655
660	PHE50750 71P	052695X0	28.76	1.560	57.20	5.896
760	PHE 50750 79P	052696X0	33.12	1.851	65.86	7.178
860	Contact the Pre-Sales Department					
960						

TYPE OF SYSTEM	GENERATOR / TERMINAL	TEMPERATURES	
		Temp. IN	Temp. OUT
Primary	Boiler	60°C	40°C
Secondary	Radiators / Fan Coils	30°C	40°C

