

BRAZED PLATE EXCHANGERS SLB 15



TECHNICAL DESCRIPTION

New brazed Plate Exchangers SLB Cordivari, provides the most compact and economical solution suitable for many applications.

The SLB plate exchangers are designed for different needs in heating, refrigeration, evaporation, industrial processing, cooling.

MAIN ADVANTAGES:

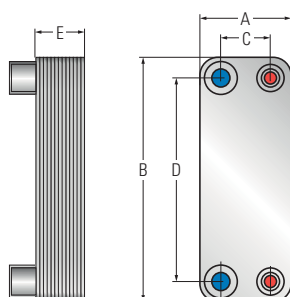
- High Efficiency
- Long lasting
- Savings
- High reliability
- Huge possibility to modify the relation between storage volume and Heat exchange.

TECHNICAL CHARACTERISTIC :

AISI 316 L Stainless steel brazed plate, braze-welded with 99,99% pure copper

WORKING CONDITION

Max pressure	Max temperature
10 bar	190 °C (*)
(*) For temperature above 110°C, see technical support	



CONNECTIONS 3/4" M	Max. Flow Rate
[mm]	[m³/h]
A 74	3,6
B 207	
C 42	
D 172	

N° of plates	NOT INSULATED VERSION
	Art. Nr.
10	5250410010008
20	5250410010009
30	5250410010010
40	5250410010011

PERFORMANCE DATA (PRIMARY AND SECONDARY FLUID, WATER, PRESSURE LOSS < 50 KPa)

		Primary 80/70 °C	Secondary 60/70 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	5	0,442	0,440
20	15	1,326	1,320
30	24	2,121	2,112
40	32	2,828	2,816

		Primary 80/65 °C	Secondary 60/70 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	1,5	0,088	0,132
20	4	0,235	0,352
30	7	0,412	0,616
40	10	0,588	0,880

		Primary 80/65 °C	Secondary 55/70 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	3	0,177	0,176
20	7	0,412	0,410
30	12	0,706	0,703
40	17	1,000	0,996

		Primary 80/65 °C	Secondary 10/60 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	21	1,236	0,364
20	45	2,648	0,781
30	60	3,531	1,041
40	71	4,178	1,232

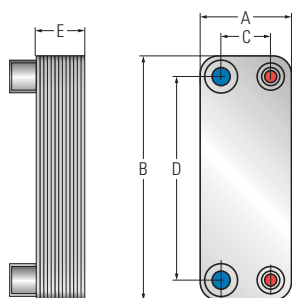
		Primary 80/60 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	28	1,235	0,606
20	58	2,557	1,255
30	80	3,527	1,731
40	95	4,189	2,056

		Primary 70/60 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	16	1,408	0,346
20	30	2,640	0,649
30	40	3,521	0,866
40	47	4,137	1,017

		Primary 65/50 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	10	0,585	0,216
20	24	1,403	0,519
30	38	2,221	0,822
40	55	3,215	1,190

		Primary 60/40 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³ /h]	[m³/h]
10	10	0,585	0,216
20	24	1,403	0,519
30	38	2,221	0,822
40	55	3,215	1,190

BRAZED PLATE EXCHANGERS SLB 20



Connections 3/4" M	Max. Flow Rate
[mm]	[m³/h]
A 73	3,6
B 311	
C 40	
D 278	

TECHNICAL DESCRIPTION

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MAIN ADVANTAGES:

- High Efficiency
- Long lasting
- Savings
- High reliability
- Huge possibility to modify the relation between storage volume and Heat exchange.

TECHNICAL CHARACTERISTIC :

- AISI 316 L Stainless steel brazed plate, braze-welded with 99,99% pure copper
- High efficiency PPE insulation (**INSULATED VERSION**)

WORKING CONDITION

Max pressure	Max temperature
10 bar	190 °C (*)
(*) For temperature above 110°C, see technical support	



N° of plates	NOT INSULATED VERSION	INSULATED VERSION	E	Weight
	Art. Nr.	Art. Nr.	[mm]	[Kg]
12	5250410010001	5250410011001	37	1,10
16	5250410010002	5250410011002	46	1,13
20	5250410010003	5250410011003	55	1,16
24	5250410010004	5250410011004	64	1,19
30	5250410010005	5250410011005	78	1,24
34	5250410010006	5250410011006	87	1,27
40	5250410010007	5250410011007	101	1,32

PERFORMANCE DATA (PRIMARY AND SECONDARY FLUID, WATER, PRESSURE LOSS < 50 KPa)

N° of plates	Primary 80/70 °C		Secondary 60/70 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	10	0,884	0,880
16	16	1,414	1,408
20	20	1,768	1,760
24	24	2,121	2,112
30	30	2,651	2,640
34	33	2,916	2,904
40	37	3,270	3,257

N° of plates	Primary 80/65 °C		Secondary 60/70 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	11	0,647	0,968
16	16	0,941	1,408
20	20	1,177	1,760
24	24	1,412	2,112
30	30	1,765	2,640
34	34	2,001	2,992
40	37	2,177	3,257

N° of plates	Primary 80/65 °C		Secondary 55/70 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	16	0,941	0,938
16	24	1,412	1,406
20	30	1,765	1,758
24	36	2,118	2,110
30	45	2,648	2,637
34	50	2,942	2,930
40	55	3,236	3,223

N° of plates	Primary 80/65 °C		Secondary 10/60 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	24	1,412	0,417
16	35	2,059	0,607
20	45	2,648	0,781
24	52	3,060	0,902
30	60	3,531	1,041
34	65	3,825	1,128
40	71	4,178	1,232

N° of plates	Primary 80/60 °C		Secondary 10/50 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	28	1,235	0,606
16	38	1,676	0,822
20	46	2,028	0,996
24	52	2,293	1,125
30	62	2,734	1,342
34	66	2,910	1,428
40	71	3,131	1,537

N° of plates	Primary 70/60 °C		Secondary 10/50 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	18	1,584	0,390
16	24	2,112	0,519
20	30	2,640	0,649
24	35	3,080	0,757
30	40	3,521	0,866
34	44	3,873	0,952
40	47	4,137	1,017

N° of plates	Primary 65/50 °C		Secondary 10/50 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	13	0,760	0,281
16	18	1,052	0,390
20	24	1,403	0,519
24	30	1,754	0,649
30	38	2,221	0,822
34	44	2,572	0,952
40	54	3,157	1,169

N° of plates	Primary 60/40 °C		Secondary 10/50 °C
	Thermal output exchanged [kW]	Primary flow rate [m³/h]	Secondary flow rate [m³/h]
12	4	0,175	0,087
16	6	0,262	0,130
20	8	0,350	0,173
24	10	0,437	0,216
30	12	0,524	0,260
34	14	0,612	0,303
40	17	0,743	0,368

BRAZED PLATE EXCHANGERS SLB 30



TECHNICAL DESCRIPTION

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MAIN ADVANTAGES:

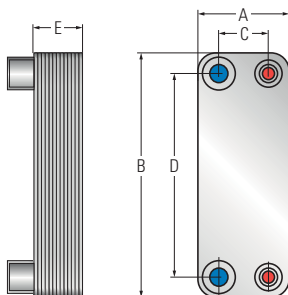
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TECHNICAL CHARACTERISTIC :

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- High efficiency PPE insulation (**INSULATED VERSION**)

WORKING CONDITION

Max pressure	Max temperature
10 bar	190 °C (*)
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Connections 1" M		Max. Flow Rate
	[mm]	[m³/h]
A	106	8,1
B	306	
C	50	
D	250	

N° of plates	NOT INSULATED VERSION	INSULATED VERSION	E	Weight
	Art. Nr.	Art. Nr.	[mm]	[Kg]
14	5250410010101	5250410011101	43	2,98
20	5250410010102	5250410011102	57	3,70
30	5250410010103	5250410011103	81	4,90
40	5250410010104	5250410011104	104	6,10
50	5250410010105	5250410011105	128	7,30



PERFORMANCE DATA (PRIMARY AND SECONDARY FLUID, WATER, PRESSURE LOSS < 50 KPa)

		Primary 80/70 °C	Secondary 60/70 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	23	2,033	2,024
20	33	2,916	2,904
30	50	4,419	4,401
40	68	6,010	5,985
50	83	7,335	7,305

		Primary 80/65 °C	Secondary 60/70 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	12	0,706	1,056
20	18	1,059	1,584
30	30	1,765	2,640
40	41	2,413	3,609
50	52	3,060	4,577

		Primary 80/65 °C	Secondary 55/70 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	18	1,059	1,055
20	30	1,765	1,758
30	48	2,824	2,813
40	65	3,825	3,809
50	80	4,707	4,688

		Primary 80/65 °C	Secondary 10/60 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	38	2,236	0,660
20	50	2,942	0,868
30	80	4,707	1,388
40	105	6,178	1,822
50	130	7,649	2,256

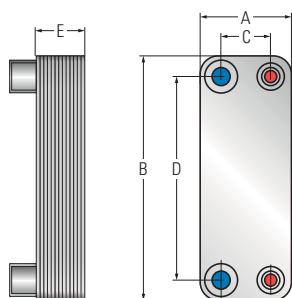
		Primary 80/60 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	50	2,205	1,082
20	75	3,307	1,623
30	110	4,850	2,381
40	145	6,393	3,138
50	170	7,496	3,679

		Primary 70/60 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	24	2,112	0,519
20	36	3,169	0,779
30	55	4,841	1,190
40	72	6,337	1,558
50	85	7,481	1,840

		Primary 65/50 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	40	2,338	0,866
20	65	3,800	1,407
30	82	4,794	1,775
40	105	6,138	2,272
50	130	7,599	2,813

		Primary 60/40 °C	Secondary 10/50 °C
N° of plates	Thermal output exchanged	Primary flow rate	Secondary flow rate
	[kW]	[m³/h]	[m³/h]
14	22	0,962	0,476
20	35	1,530	0,757
30	55	2,404	1,190
40	78	3,409	1,688
50	100	4,371	2,164

BRAZED PLATE EXCHANGERS SLB 40



Connections 1" M		Max. Flow Rate
	[mm]	[m³/h]
A	106	12,7
B	466	
C	50	
D	466	

TECHNICAL DESCRIPTION

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WORKING CONDITION

Max pressure	Max temperature
10 bar	190 °C (*)
(*) For temperature above 110°C, see technical support	



N° of plates	NOT INSULATED VERSION	INSULATED VERSION	E	Weight
	Art. Nr.	Art. Nr.	[mm]	[Kg]
30	5250410010201	5250410011201	81	8,3
40	5250410010202	5250410011202	104	10,2
50	5250410010203	5250410011203	128	12,1
60	5250410010204	5250410011204	151	14

PERFORMANCE DATA (PRIMARY AND SECONDARY FLUID, WATER, PRESSURE LOSS < 50 KPa)

N° of plates	Primary 80/70 °C		Secondary 60/70 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	43	3,800	3,785	
40	57	5,037	5,017	
50	71	6,275	6,249	
60	83	7,335	7,305	

N° of plates	Primary 80/65 °C		Secondary 60/70 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	42	3,712	3,697	
40	55	4,861	4,841	
50	70	6,186	6,161	
60	82	7,247	7,217	

N° of plates	Primary 80/65 °C		Secondary 55/70 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	64	3,766	3,750	
40	85	5,002	4,981	
50	105	6,178	6,153	
60	122	7,179	7,149	

N° of plates	Primary 80/65 °C		Secondary 10/60 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	68	4,001	1,180	
40	88	5,178	1,527	
50	105	6,178	1,822	
60	128	7,532	2,222	

N° of plates	Primary 80/60 °C		Secondary 10/50 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	90	3,968	1,948	
40	120	5,291	2,597	
50	145	6,393	3,138	
60	170	7,496	3,679	

N° of plates	Primary 70/60 °C		Secondary 10/50 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	45	3,961	0,974	
40	60	5,281	1,299	
50	72	6,337	1,558	
60	85	7,481	1,840	

N° of plates	Primary 65/50 °C		Secondary 10/50 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	65	3,800	1,407	
40	88	5,144	1,904	
50	110	6,430	2,381	
60	125	7,307	2,705	

N° of plates	Primary 60/40 °C		Secondary 10/50 °C	
	Thermal output exchanged	Primary flow rate	Secondary flow rate	
	[kW]	[m³/h]	[m³/h]	
30	90	3,933	1,948	
40	120	5,245	2,597	
50	145	6,337	3,138	
60	170	7,430	3,679	