



PLATE HEAT EXCHANGERS MANUFACTURING



HEATING



COOLING



SANITARY WATER

EURO HEAT is in business of manufacturing plate heat exchangers since 1995. We are producing gasket and brazed plate heat exchangers with capacities up to 20 MW, as well as plate and shell type of heat exchangers with capacities up to 100 MW.

Up to date production with strictly defined technological process, usage of top quality materials, constant development, rigorous finish control. All this helped **EURO HEAT** to become leader in manufacturing plate heat exchangers in southeast Europe.

Company is certified with ISO 9001 , ISO 14001 , ISO 18001 , GostR and CE certificates for its products.

Up until now **EURO HEAT** has more then 20.000 heat exchangers installed and working all around the world.

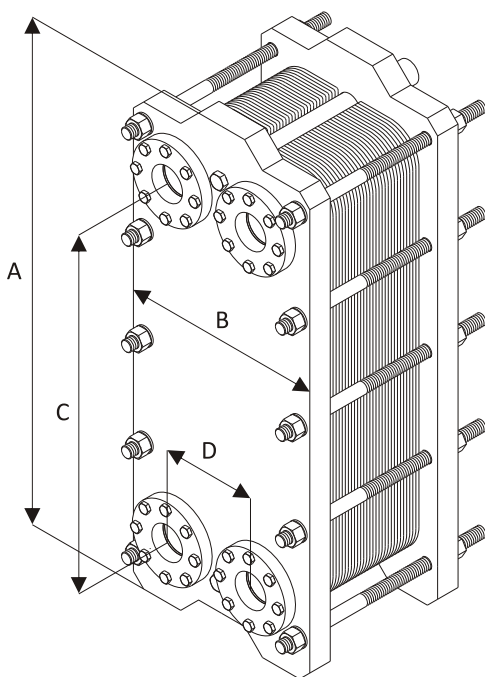
Regarding heating, cooling and all other applications **EURO HEAT** provides help and support to its clients by software solutions that are regularly updated on our web page.

GASKET PLATE HEAT EXCHANGERS

At the moment EURO HEAT has 10 different types of gasket heat exchanger in its production line with connections from 3/4" up to DN200.

Gasket heat exchangers are characterized with high efficacy, small dimensions, quick and easy maintains.

These heat exchangers are widely used in many systems, such as: district heating, cooling systems, food industry, pharmaceutical industry and many more.

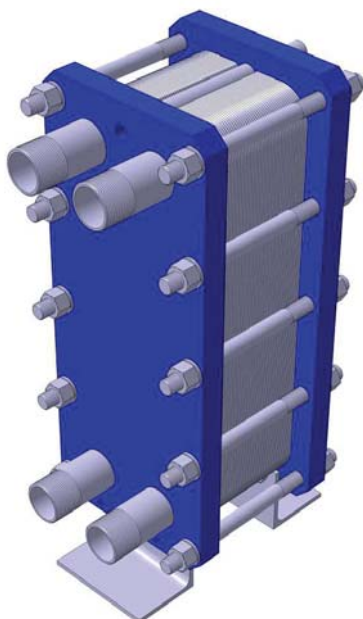


GASKET HEAT EXCHANGERS WITH THREAD CONNECTION

TYPE	CONNECTION	A [mm]	B [mm]	C [mm]	D [mm]
J 100	1 "	288	130	224	53
J 210	1 "	395	144	318	53
J 230	1 "	480	176	360	64
J 250	5 / 4 "	468	198	362	80
J 300	6 / 4 "	604	185	480	61

GASKET HEAT EXCHANGERS WITH FLANGED CONNECTION

TYPE	CONNECTION	A [mm]	B [mm]	C [mm]	D [mm]
TR 100	DN 50	750	300	520	140
TR 200	DN 65	860	345	608	163
S 200	DN 80	1000	384	700	182
S 300	DN 125	1236	500	816	250
S 400	DN 200	1613	640	1068	295

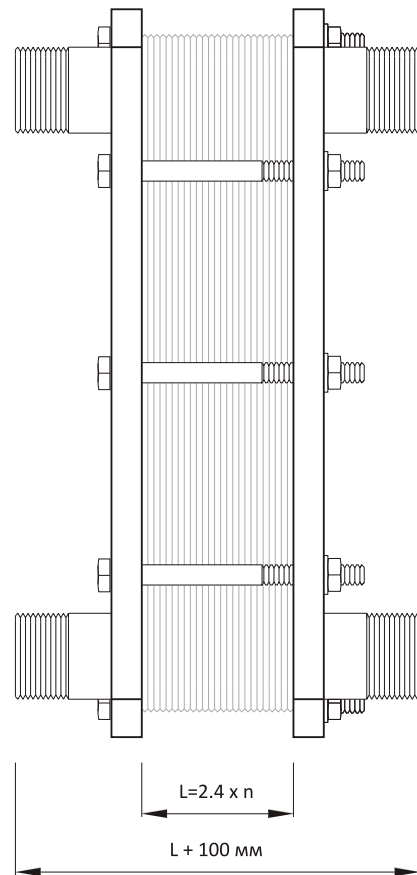
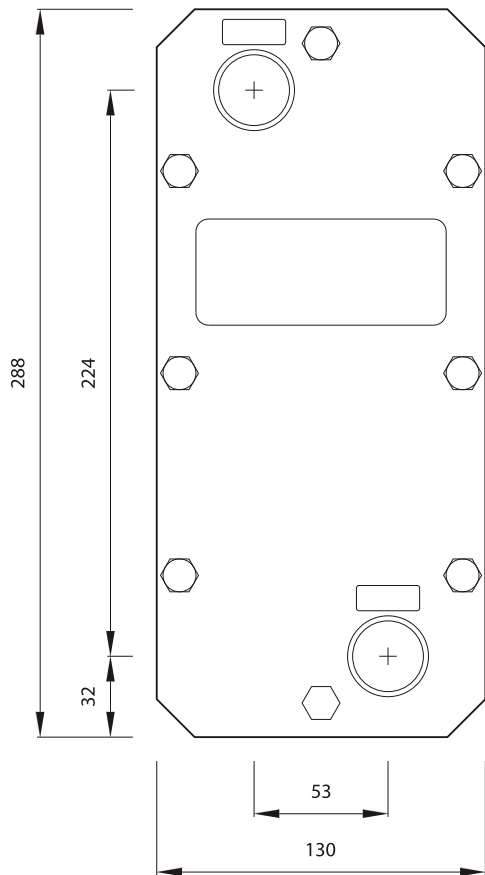


IDENTIFYING GASKET HEAT EXCHANGERS

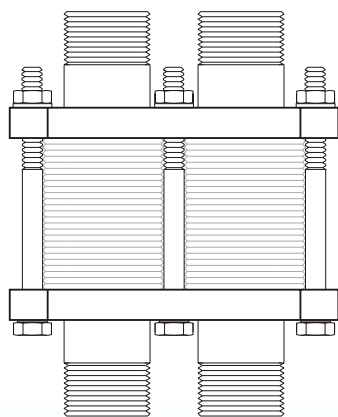
TR 100 - 060 - model of gasket heat exchanger

TR 100 - type of gasket heat exchanger

060 - number of inner plates



n - number of inner plates



MATERIALS

END PLATES

S235JR, A 570-36, 1.0038, S245 - COATED

INNER PLATES AND CONNECTIONS

AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10

AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2

AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

GASKETS

EPDM - ethylene propylene diene

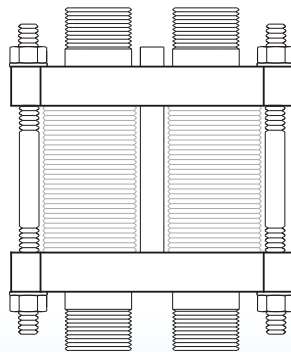
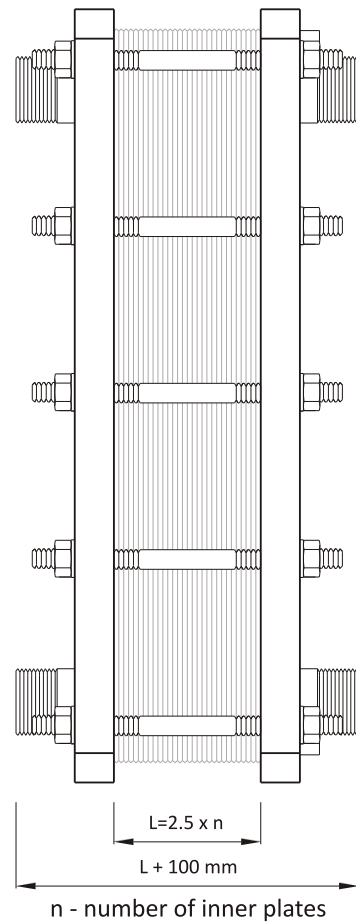
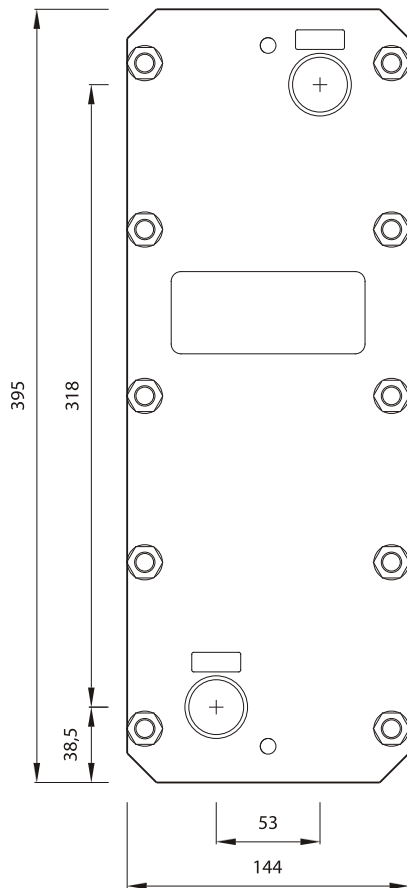
NBR - nitrile butadiene

TIGHTENING BOLTS

1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER - type J 100

CONNECTION	1 " - threaded
DIMENSIONS – H x W x L [mm]	288 x 130 x L + 100
AREA PER PLATE [m ²]	0.016 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.017 / 0.017 x channels
WEIGHT OF HEAT EXCHANGER [kg]	6.1 + 0.11 x n
THICKNESS OF END PLATES [mm]	12
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	61
TIGHTENING BOLTS	M 8 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	8
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



MATERIALS

END PLATES

S235JR, A 570-36, 1.0038, S245 - COATED

INNER PLATES AND CONNECTIONS

AISI 304, X5CrNi18 -10, 1.4301, 08Ch18N10

AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2

AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

GASKETS

EPDM - ethylene propylene diene

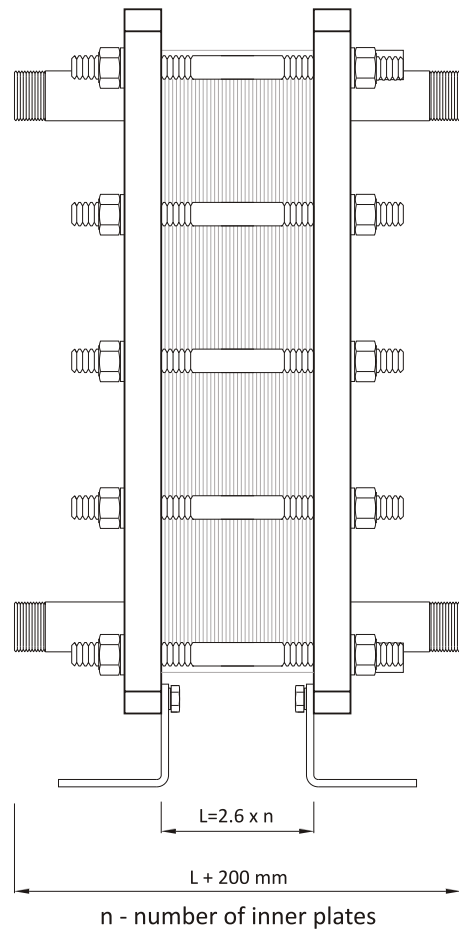
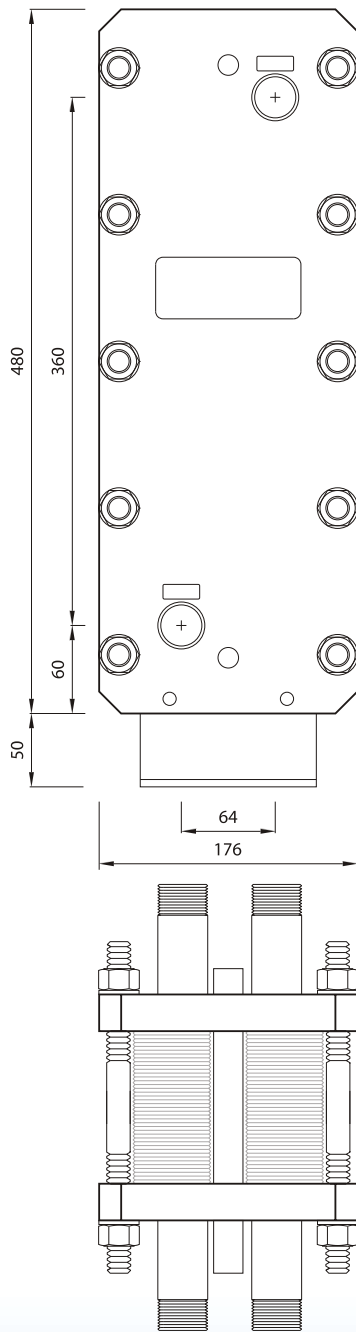
NBR - nitrile butadiene

TIGHTENING BOLTS

1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type J 210

CONNECTION	1 " – threaded
DIMENSIONS – H x W x L [mm]	395 x 144 x L + 100
AREA PER PLATE [m ²]	0.032 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.03 / 0.03 x channels
WEIGHT OF HEAT EXCHANGER [kg]	21 + 0.15 x n
THICKNESS OF END PLATES [mm]	20
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	70
TIGHTENING BOLTS	M 10 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	12
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



MATERIALS

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INNER PLATES AND CONNECTIONS

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AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

GASKETS

EPDM - ethylene propylene diene

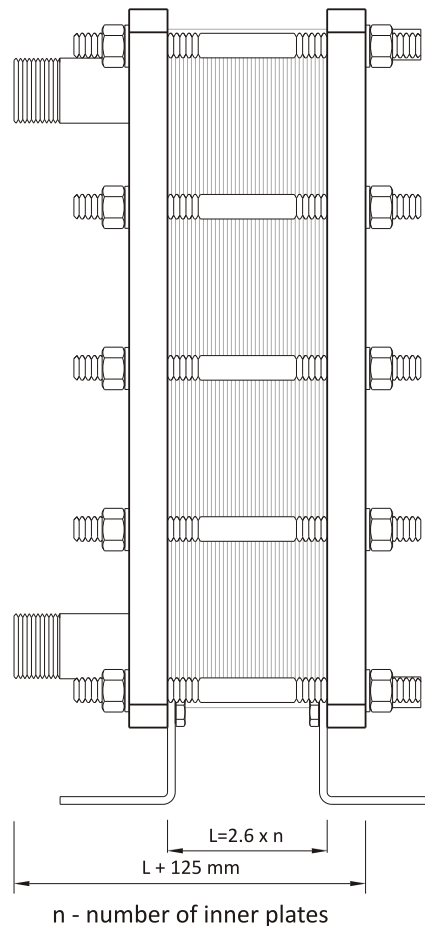
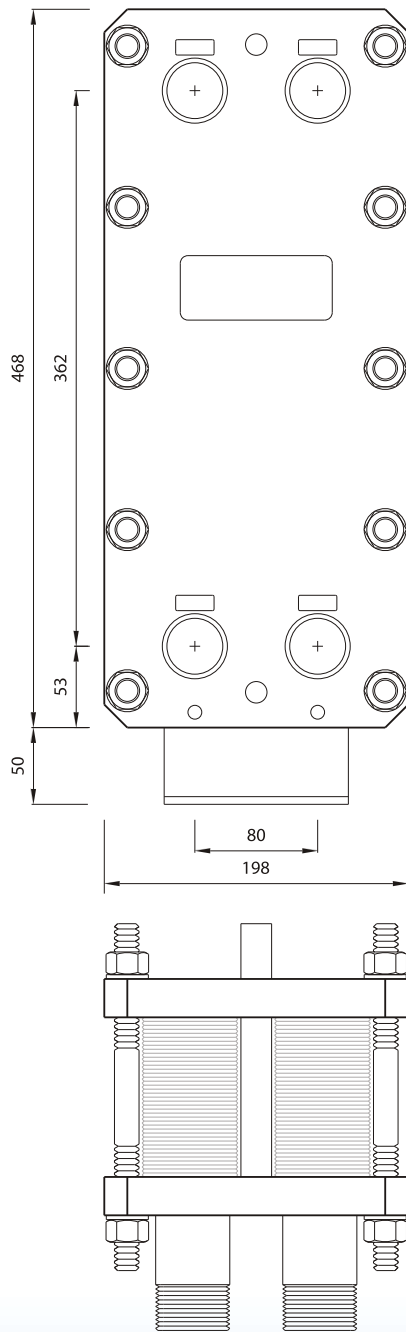
NBR - nitrile butadiene

TIGHTENING BOLTS

1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type J 230

CONNECTION	1 " – threaded
DIMENSIONS – H x W x L [mm]	480 x 176 x L + 200
AREA PER PLATE [m ²]	0.041 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.042 / 0.042 x channels
WEIGHT OF HEAT EXCHANGER [kg]	31 + 0.23 x n
THICKNESS OF END PLATES [mm]	25
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	80
TIGHTENING BOLTS	M 16 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	15
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



MATERIALS

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INNER PLATES AND CONNECTIONS

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GASKETS

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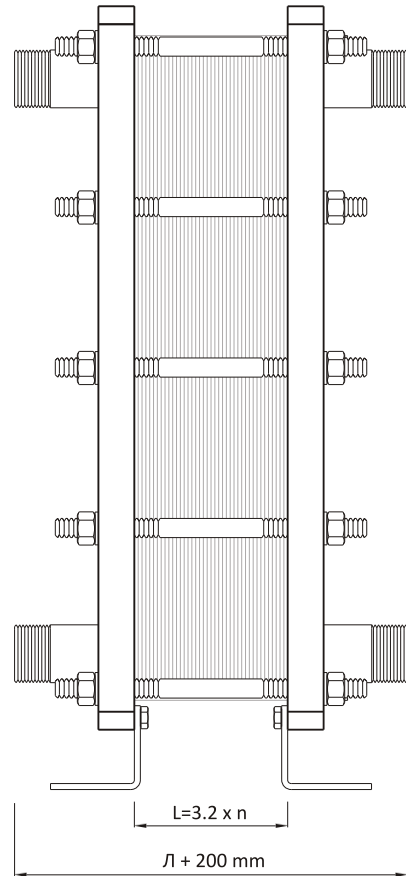
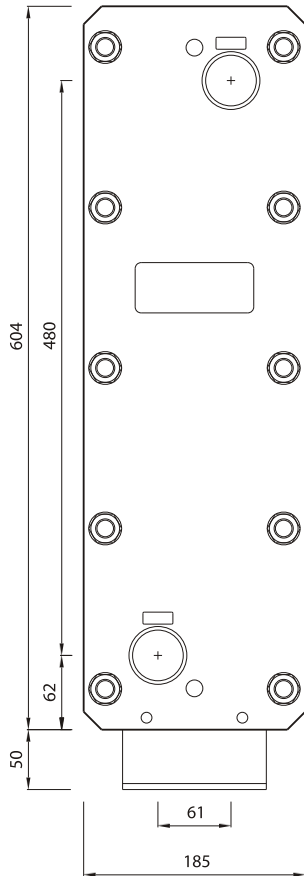
NBR - nitrile butadiene

TIGHTENING BOLTS

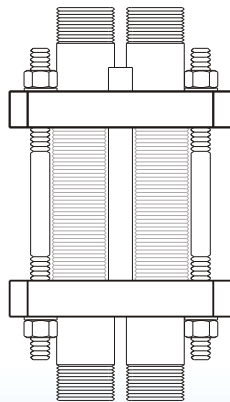
1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type J 250

CONNECTION	5 / 4 " – threaded
DIMENSIONS – H x W x L [mm]	468 x 198 x L + 125
AREA PER PLATE [m ²]	0.05 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.1 / 0.1 x channels
WEIGHT OF HEAT EXCHANGER [kg]	37.6 + 0.23 x n
THICKNESS OF END PLATES [mm]	25
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	90
TIGHTENING BOLTS	M 8 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	24
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



n - number of inner plates



MATERIALS

END PLATES

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INNER PLATES AND CONNECTIONS

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GASKETS

EPDM - ethylene propylene diene

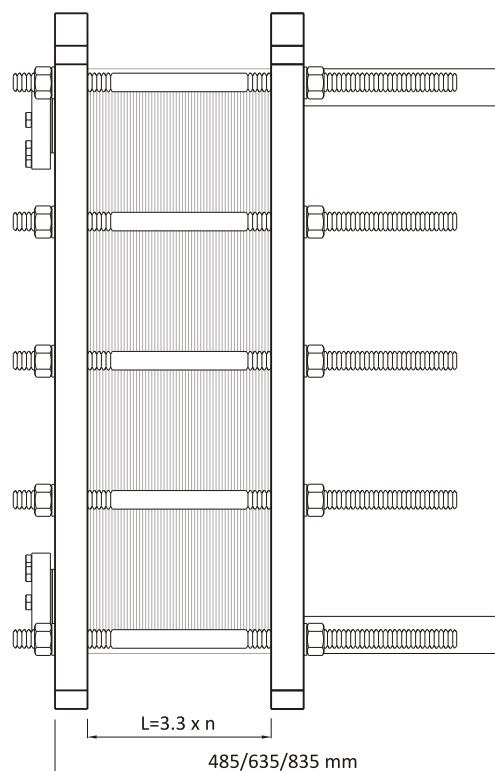
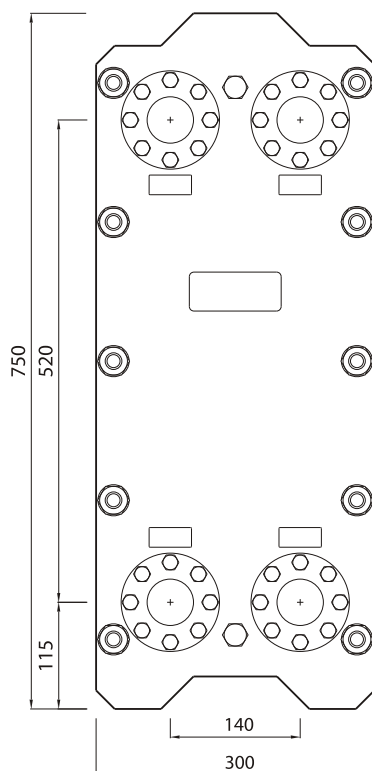
NBR - nitrile butadiene

TIGHTENING BOLTS

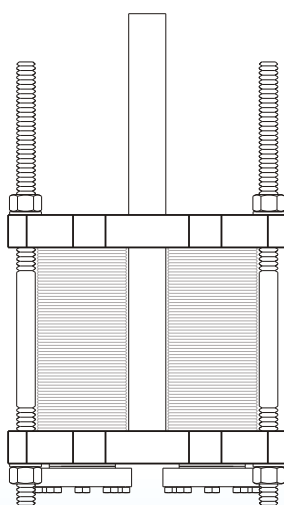
1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type J 300

CONNECTION	6 / 4 " – threaded
DIMENSIONS – H x W x L [mm]	604 x 185 x L + 200
AREA PER PLATE [m ²]	0.059 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.05 / 0.05 x channels
WEIGHT OF HEAT EXCHANGER [kg]	43.5 + 0.31 x n
THICKNESS OF END PLATES [mm]	25
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	90
TIGHTENING BOLTS	M 8 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	32
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



n - number of inner plates



MATERIALS

END PLATES

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INNER PLATES AND CONNECTIONS

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FLANGES

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GASKETS

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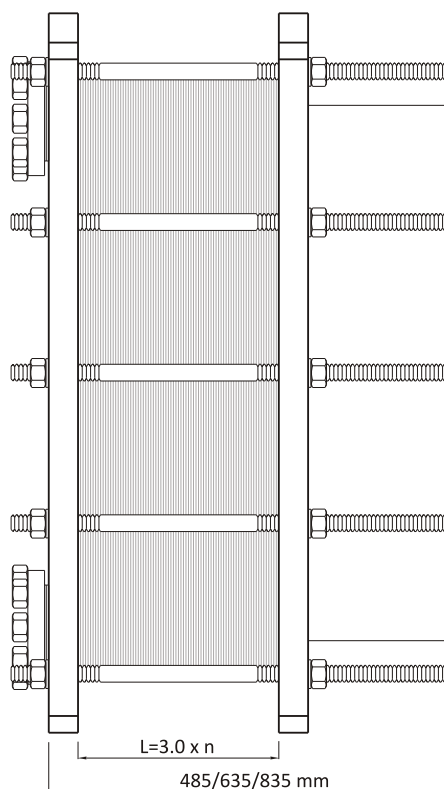
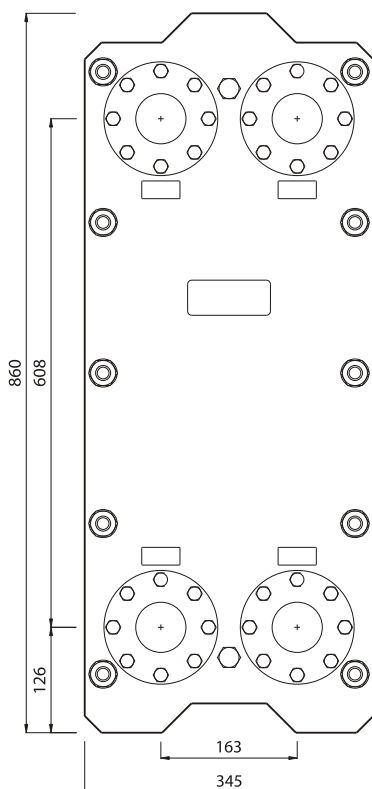
TIGHTENING BOLTS

1045, 1.1191, C45E, 45

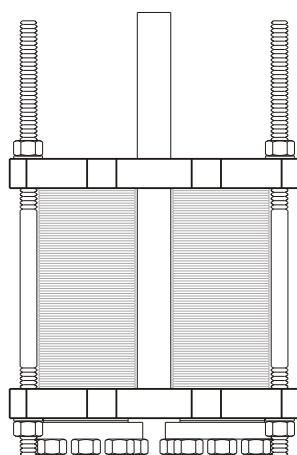
BASIC INFORMATION ABOUT HEAT EXCHANGER – type TR 100

CONNECTION	DN 50 (2 ") - flanged
DIMENSIONS – H x W x L [mm]	750 x 300 x 485 / 635
AREA PER PLATE [m ²]	0.11 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.17 / 0.17 x channels
WEIGHT OF HEAT EXCHANGER [kg]	122.3 + 0.59 x n
THICKNESS OF END PLATES [mm]	35, 40
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	100
TIGHTENING BOLTS	M 16 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	40
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32

Material codes: EN 10088-2, ASTM, GOST



n - number of inner plates



MATERIALS

END PLATES

S235JR, A 570-36, 1.0038, S245 - COATED

INNER PLATES AND CONNECTIONS

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FLANGES

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GASKETS

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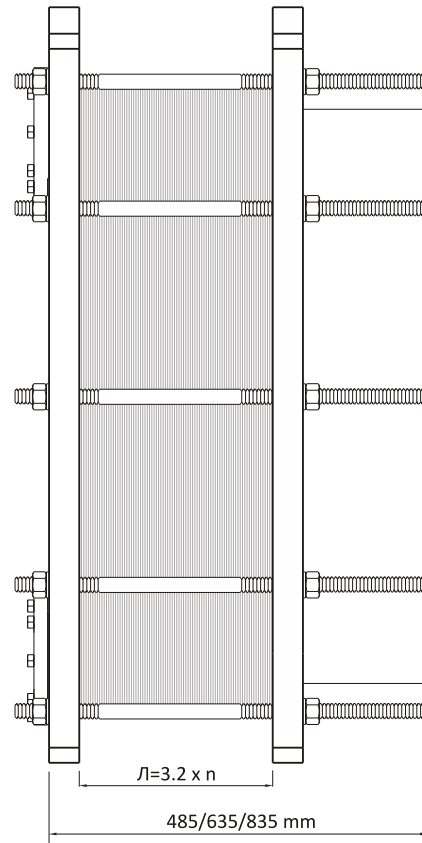
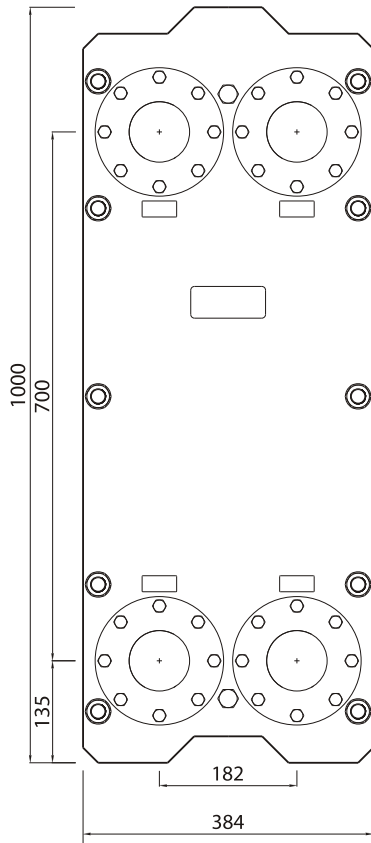
NBR - nitrile butadiene

TIGHTENING BOLTS

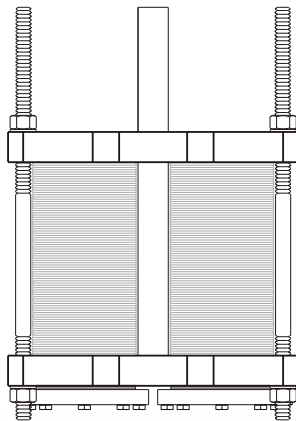
1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type TR 200

CONNECTION	DN 65 (2 ½ ") - flanged
DIMENSIONS – H x W x L [mm]	860 x 345 x 485 / 635
AREA PER PLATE [m ²]	0.15 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.2 / 0.2 x channels
WEIGHT OF HEAT EXCHANGER [kg]	164.3 + 0.89 x n
THICKNESS OF END PLATES [mm]	35, 40
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	140
TIGHTENING BOLTS	M 16 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	60
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



n - number of inner plates



MATERIALS

END PLATES

S235JR, A 570-36, 1.0038, S245 - COATED

INNER PLATES AND CONNECTIONS

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FLANGES

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GASKETS

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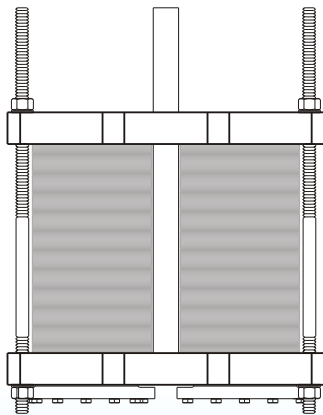
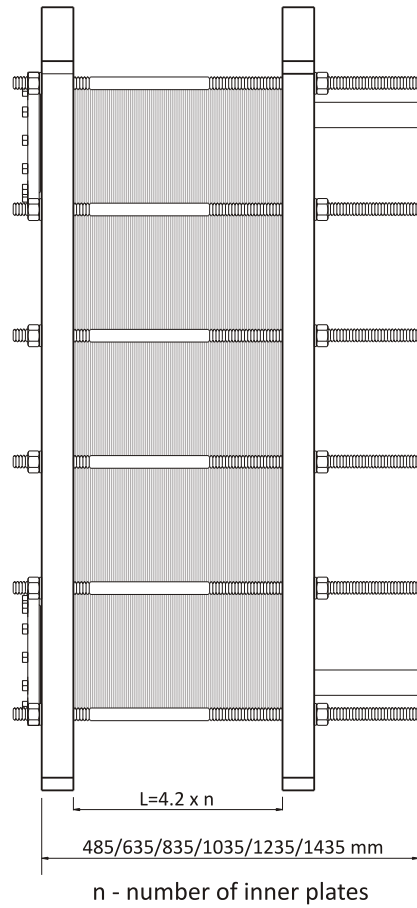
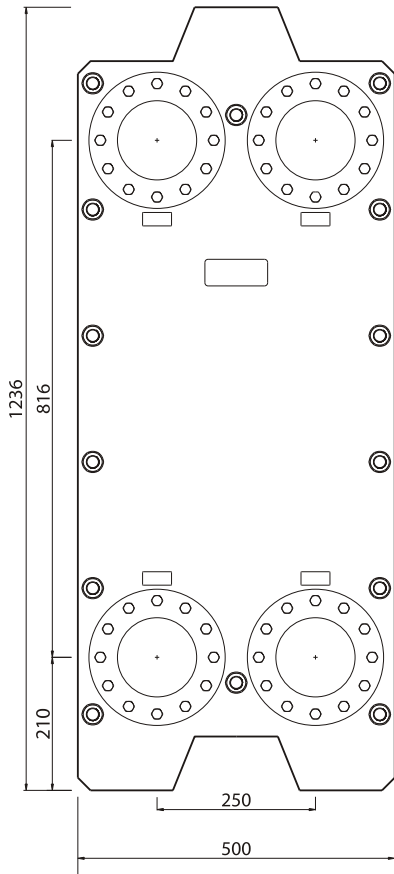
TIGHTENING BOLTS

1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type S 200

CONNECTION	DN 80 (3 ") - flanged
DIMENSIONS – H x W x L [mm]	1000 x 384 x 485 / 635 / 835
AREA PER PLATE [m ²]	0.22 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.3 / 0.3 x channels
WEIGHT OF HEAT EXCHANGER [kg]	207.6 + 1.17 x n
THICKNESS OF END PLATES [mm]	35, 40
THICKNESS OF INNER PLATES [mm]	0.6
MAXIMAL NUMBER OF INNER PLATES	200
TIGHTENING BOLTS	M 16 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	120
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32

Material codes: EN 10088-2, ASTM, GOST



MATERIALS

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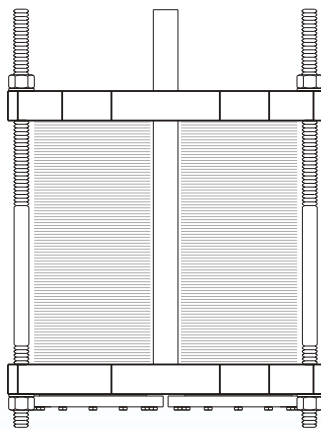
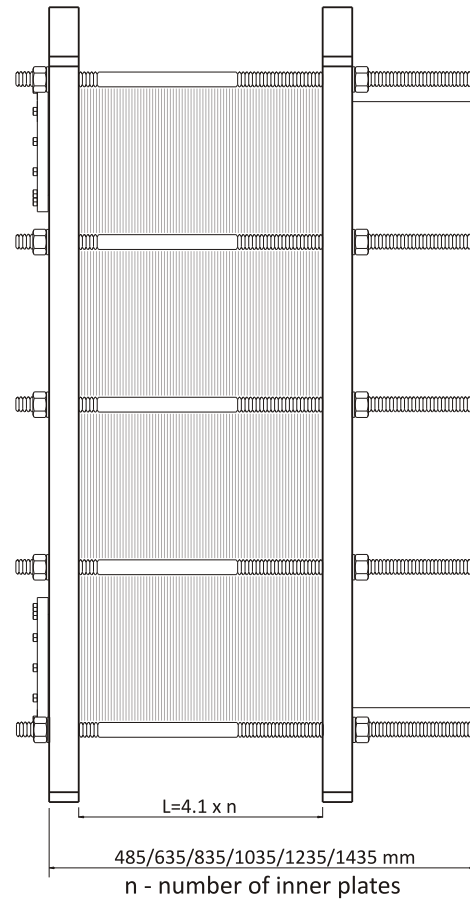
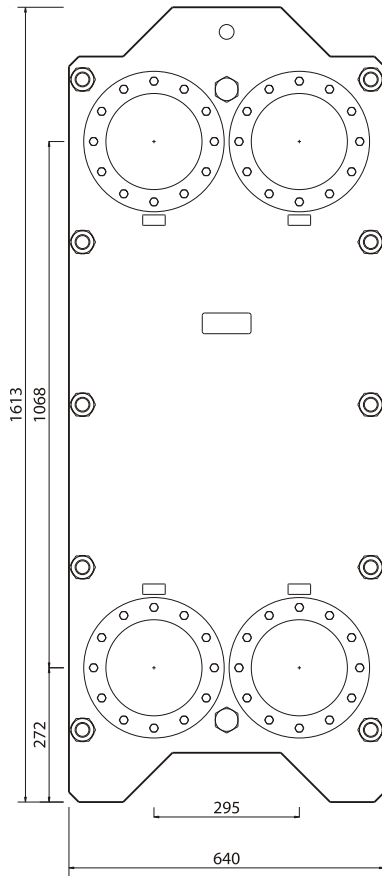
NBR - nitrile butadiene

TIGHTENING BOLTS

1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type S 300

CONNECTION	DN 125 (5 ") - flanged
DIMENSIONS – H x W x L [mm]	1236 x 500 x 485 / 635 / 835 / 1035 / 1235
AREA PER PLATE [m ²]	0.36 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.62 / 0.62 x channels
WEIGHT OF HEAT EXCHANGER [kg]	420 + 1.89 x n
THICKNESS OF END PLATES [mm]	40 , 50
THICKNESS OF INNER PLATES [mm]	0.6
MAXIMAL NUMBER OF INNER PLATES	300
TIGHTENING BOLTS	M 16 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	250
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32



MATERIALS

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INNER PLATES AND CONNECTIONS

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FLANGES

S235JR, A 570-36, 1.0038, S245

GASKETS

EPDM - ethylene propylene diene

NBR - nitrile butadiene

TIGHTENING BOLTS

1045, 1.1191, C45E, 45

BASIC INFORMATION ABOUT HEAT EXCHANGER – type S 400

CONNECTION	DN 200 (10 ") - flanged
DIMENSIONS – H x W x L [mm]	1613 x 640 x 485 / 635 / 835 / 1235 / 1435
AREA PER PLATE [m ²]	0.53 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	1.06 / 1.06 x channels
WEIGHT OF HEAT EXCHANGER [kg]	1100 + 5.4 x n
THICKNESS OF END PLATES [mm]	50 , 60
THICKNESS OF INNER PLATES [mm]	0.6
MAXIMAL NUMBER OF INNER PLATES	300
TIGHTENING BOLTS	M 32 - 5.6, 8.8, 10.9
MAXIMAL FLOW [m ³ /h]	600
MAXIMAL WORKING TEMPERATURE [°C]	+ 160
MINIMAL WORKING TEMPERATURE [°C]	- 5
WORKING PRESSURES	NP6, NP16, NP25
TEST PRESSURE [bar]	32

PLATE & SHELL HEAT EXCHANGERS

This type of heat exchangers represents ideal combination of plate heat exchanger and shell&tube heat exchangers, combining the best features of both - efficiency of plate heat exchanger and safety shell&tube heat exchangers.

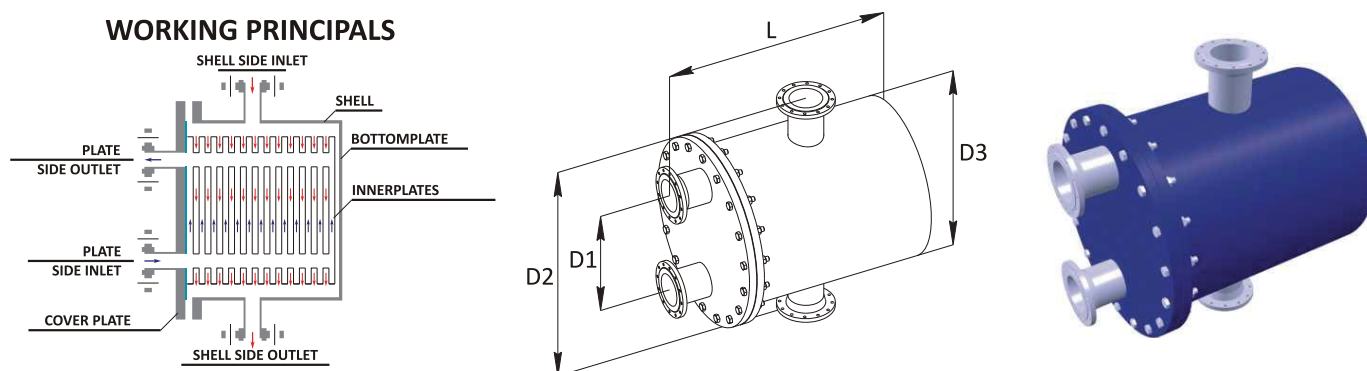
The inner plate are welded together so, by eliminating gaskets this type of heat exchanger can work with temperatures from -200 °C up to 500 °C. These heat exchangers are manufactured in capacities up to 100.000 kW and working pressures up to 100 bar, efficiency of these type of heat exchanger is very high (95%).

This type of heat exchangers is used in district heating systems (most often as primary heat exchanger), as condensers and evaporators. Plate&shell heat exchangers have also found their place in applications within systems for heating and cooling oil.

More and more, this type of heat exchanger is used in function of economizers and recuperators for waste heat gases.

This type of exchanger is ideal for systems where there are large and asymmetric flows of working fluids.

Another advantage of this type of heat exchanger is that it is possible to clean one side of exchanger very easy, therefore this type of exchanger is often used as a primary heat exchanger in systems of large boiler plants which serve to protect the boiler from impurities that can reach boiler from the pipelines.

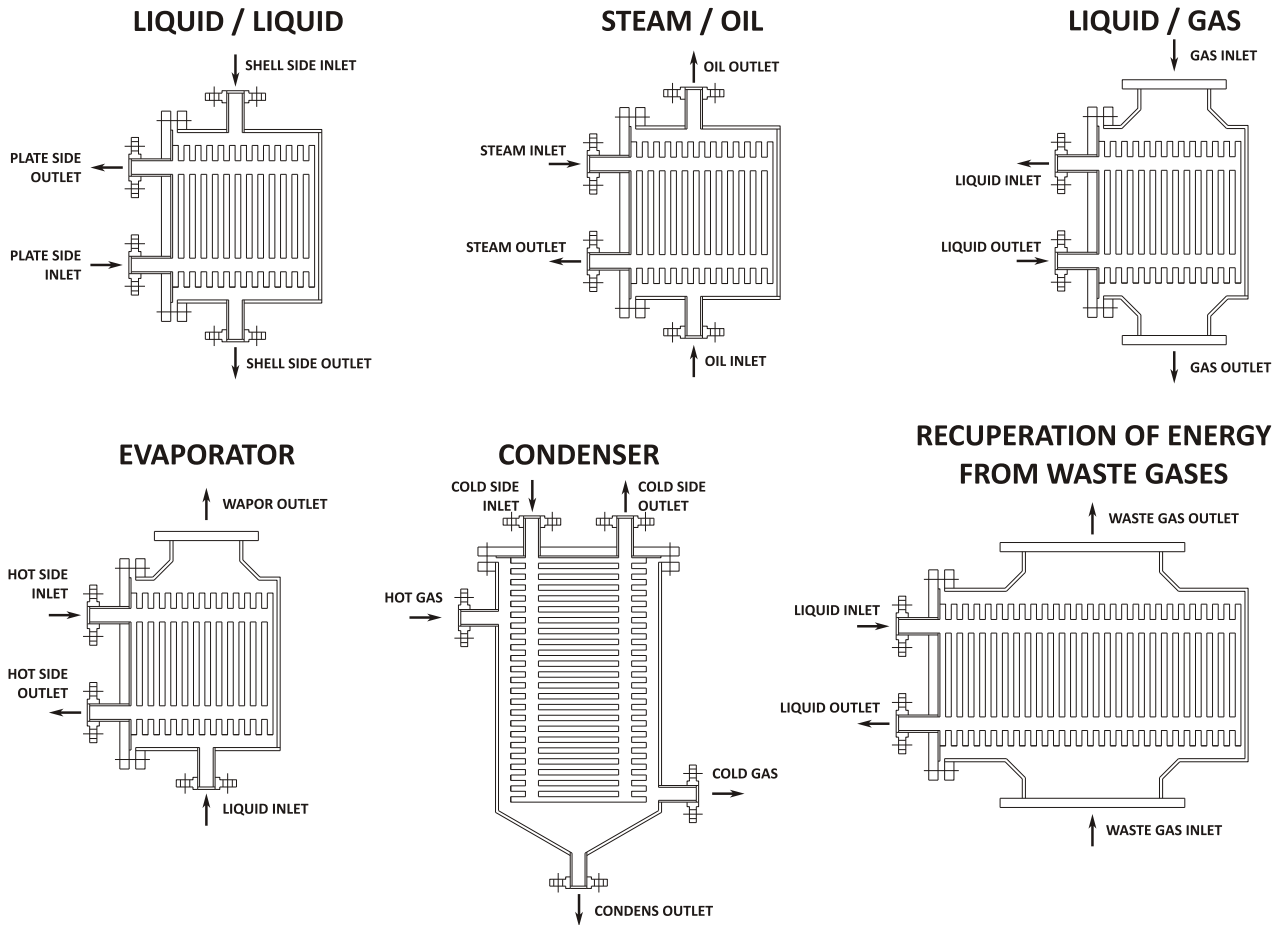


BASIC INFORMATION ABOUT PLATE&SHELL HEAT EXCHANGERS

TYPE	INNER PLATE DEMETER [mm]	THICKNESS OF INNER PLATES [mm]	AREA PER PLATE [m ²]	MAXIMAL NUMBER OF INNER PLATES	D1 (mm)	D2 (mm)	D3 (mm)	L (mm)	PLATE SIDE CONNECTION [DN]	SHELL SIDE CONNECTION [DN]
P 100	120	0.6	0.01	100	80	variably	133	variably	25	25 - 50
P 200	190	0.6	0.027	150	130		219		25	25 - 80
P 350	320	0.6	0.082	300	226		355		50	25 - 150
P 500	454	0.6	0.165	500	330		508		80	50 - 300
P 660	660	0.7	0.369	600	498		711		125	50 - 500
P 940	940	0.7	0.717		673		1016		200	50 - 700

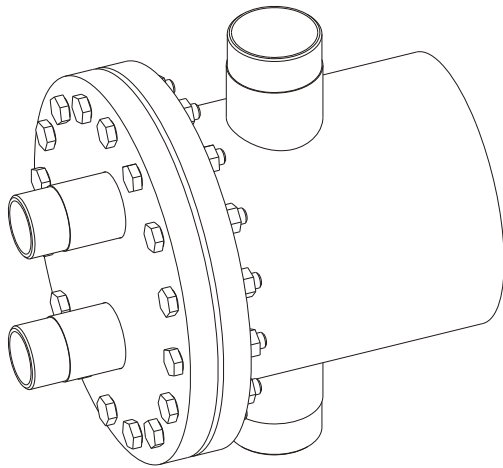
PLATE & SHELL HEAT EXCHANGERS

SCHEME IN THE AREAS APPLICATION



COMPARISON OF TYPES OF HEAT EXCHANGER

		TYPES OF HEAT EXCHANGER				
		Shell and tube	Plate spiral	Gasket plate	Brazed plate	Plate & shell
Weight	kg	1000	800	500	300	400
Volume	m ³	1.0	0.7	0.4	0.2	0.2
Application areas	/	liquid / liquid gas / liquid gas / gas	liquid / liquid gas / liquid gas / gas	liquid / liquid vapor / liquid	liquid / liquid gas / liquid	liquid / liquid gas / liquid gas / gas
Maximum working temperature	°C	300	300	-10/150	-40/220	-196/400
Maximum working pressures	bar	~200	~ 16	~ 25	~ 40	~100
K coefficient	W/m ² h°C	200 - 1500	600 - 2500	max 6000	max 6000	max 6000
Efficiency plates	%	/	100	75	80	100
Maintenance costs	100%	100	60	60	inseparable	40



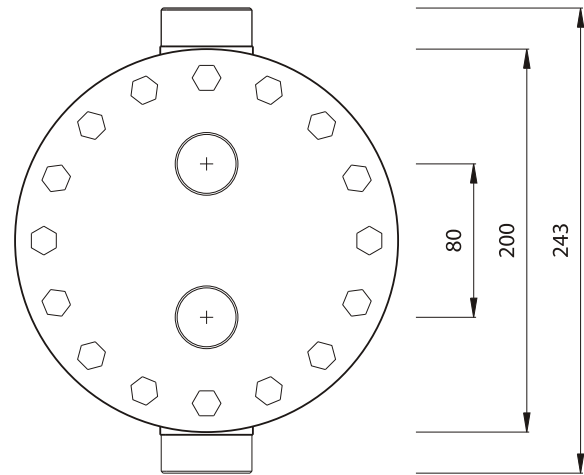
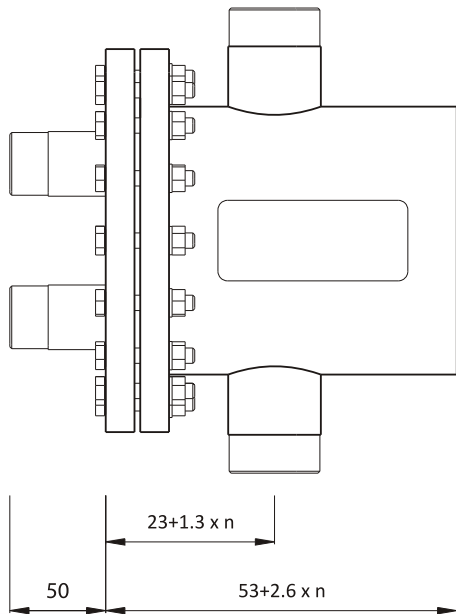
MATERIALS

SHELL AND CONNECTIONS

S235JR, A 570-36, 1.0038, S245 - COATED
 AISI 304, X5CrNi8 -10, 1.4301, 08Chl8N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Chl7N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Chl7N14M2

INNER PLATES

AISI 304, X5CrNi8 -10, 1.4301, 08Chl8N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Chl7N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Chl7N14M2

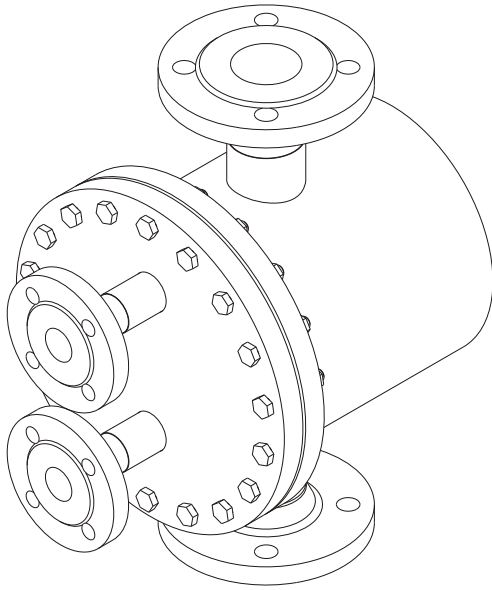


n - number of inner plates

BASIC INFORMATION ABOUT HEAT EXCHANGER – type P 100

PLATE SIDE CONNECTION	DN 25
SHELL SIDE CONNECTION	DN 25 - DN 50
DIMENSIONS – H x W x L [mm]	243 x 200 x 103 + 2.6 x n
AREA PER PLATE [m ² /plate]	0.01 x n
VOLUME OF PLATE / SHELL SIDE [l]	0.023 / 0.11 x channels
WEIGHT OF HEAT EXCHANGER [kg]	9.1 + 0.63 x n
THICKNESS OF INNER PLATES [mm]	0.6
MAXIMAL NUMBER OF INNER PLATES	200
MAXIMAL FLOW [m ³ /h]	8
MAXIMAL WORKING TEMPERATURE [°C]	+ 400
MINIMAL WORKING TEMPERATURE [°C]	- 200
WORKING PRESSURES	NP6, NP16, NP25, NP32, NP40
TEST PRESSURE [bar]	60

Material codes: EN 10088-2, ASTM, GOST



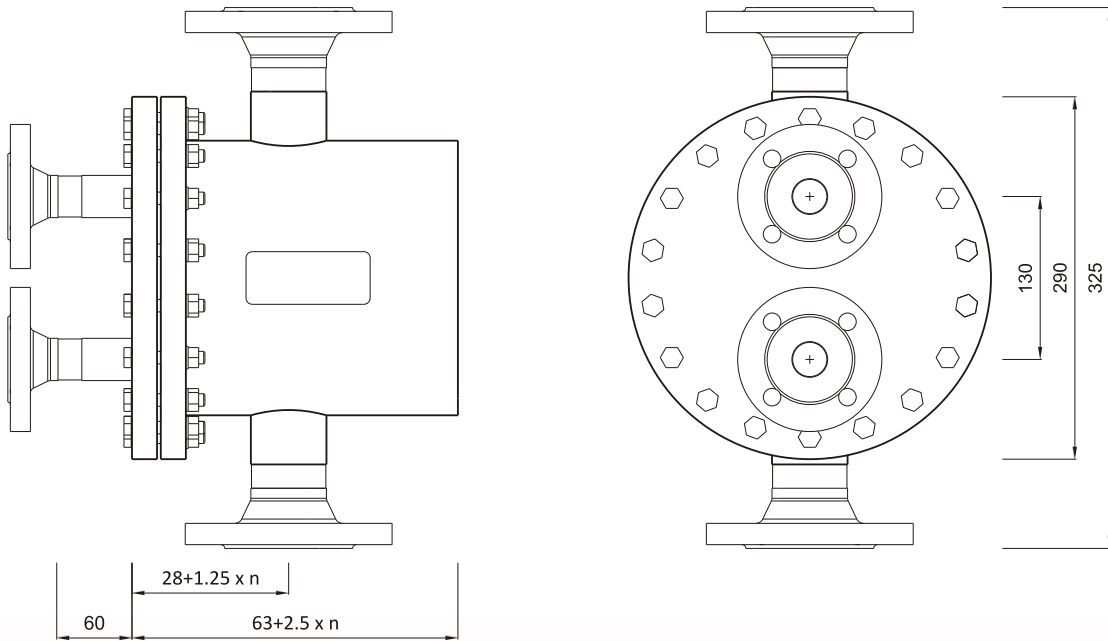
MATERIALS

SHELL AND CONNECTIONS

S235JR, A 570-36, 1.0038 , S245 - COATED
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 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES

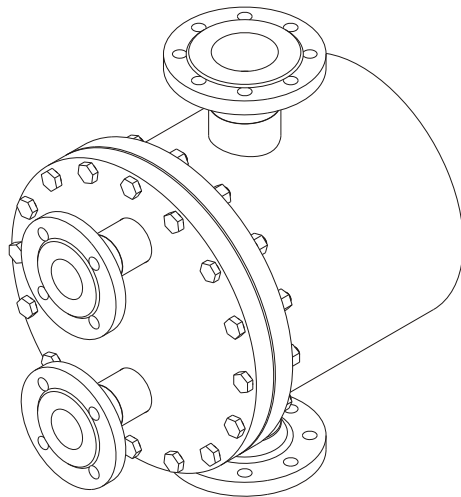
AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2



n - number of inner plates

BASIC INFORMATION ABOUT HEAT EXCHANGER – type P 200

PLATE SIDE CONNECTION	DN 25
SHELL SIDE CONNECTION	DN 25 - DN 80
DIMENSIONS – H x W x L [mm]	325 x 290 x 123 + 2.5 x n
AREA PER PLATE [m ² /plate]	0.027 x n
VOLUME OF PLATE / SHELL SIDE [l]	0.036 / 0.173 x channels
WEIGHT OF HEAT EXCHANGER [kg]	6.3 + 0.079 x n
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	200
MAXIMAL FLOW [m ³ /h]	12
MAXIMAL WORKING TEMPERATURE [°C]	+ 400
MINIMAL WORKING TEMPERATURE [°C]	- 200
WORKING PRESSURES	NP6, NP16, NP25, NP32, NP40
TEST PRESSURE [bar]	60



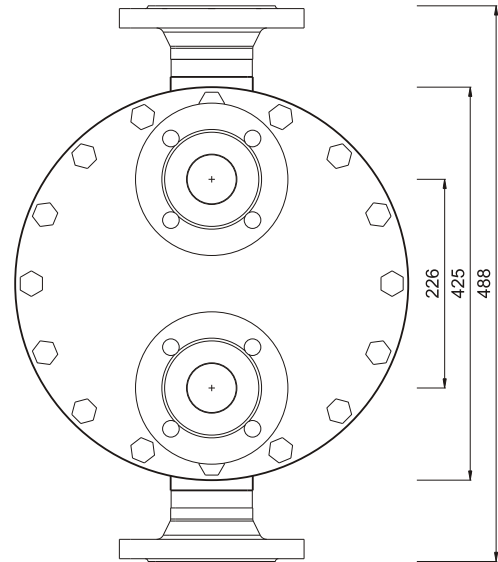
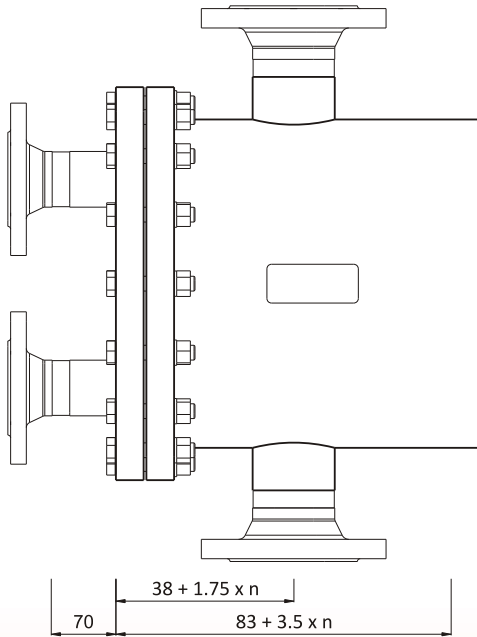
MATERIALS

SHELL AND CONNECTIONS

S235JR, A 570-36, 1.0038 , S245 - COATED
 AISI 304, X5CrNi8 -10, 1.4301, 08ChI8N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03ChI7N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03ChI7N14M2

INNER PLATES

AISI 304, X5CrNi8 -10, 1.4301, 08ChI8N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03ChI7N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03ChI7N14M2

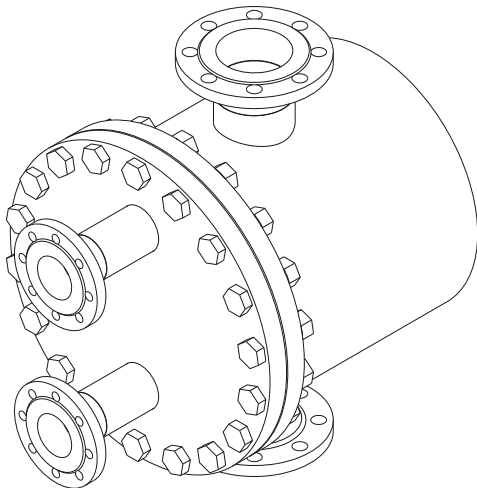


n - number of inner plates

BASIC INFORMATION ABOUT HEAT EXCHANGER – type P 350

PLATE SIDE CONNECTION	DN 50
SHELL SIDE CONNECTION	DN 25 - DN 150
DIMENSIONS – H x W x L [mm]	488 x 425 x 153 + 3.5 x n
AREA PER PLATE [m ² /plate]	0.082 x n
VOLUME OF PLATE / SHELL SIDE [l]	0.06 / 0.29 x channels
WEIGHT OF HEAT EXCHANGER [kg]	59.4 + 0.62 x n
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	300
MAXIMAL FLOW [m ³ /h]	40
MAXIMAL WORKING TEMPERATURE [°C]	+ 400
MINIMAL WORKING TEMPERATURE [°C]	- 200
WORKING PRESSURES	NP6, NP16, NP25, NP32, NP40
TEST PRESSURE [bar]	60

Material codes: EN 10088-2, ASTM, GOST



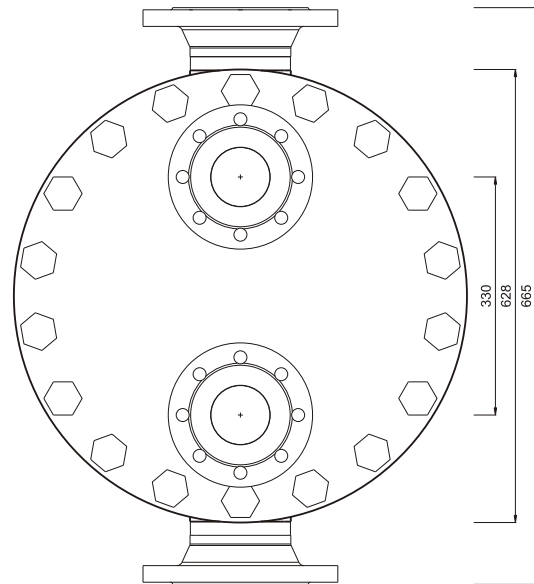
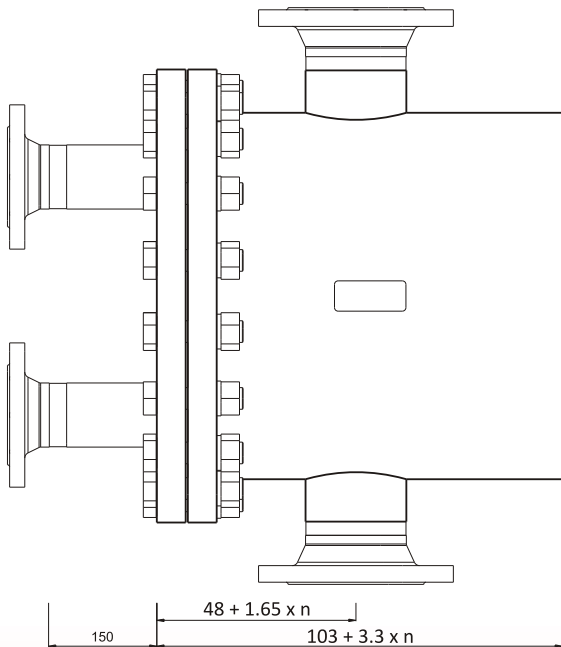
MATERIALS

SHELL AND CONNECTIONS

- S235JR, A 570-36, 1.0038 , S245 - COATED
- AISI 304, X5CrNi8 -10, 1.4301, 08ChI8N10
- AISI 316, X5CrNiMo 17-12-2, 1.4401, 03ChI7N13M2
- AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03ChI7N14M2

INNER PLATES

- AISI 304, X5CrNi8 -10, 1.4301, 08ChI8N10
- AISI 316, X5CrNiMo 17-12-2, 1.4401, 03ChI7N13M2
- AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03ChI7N14M2

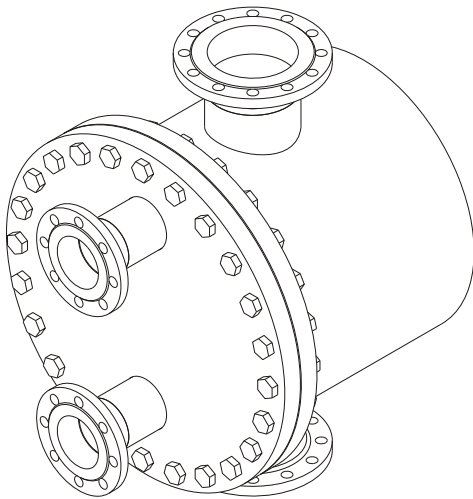


n - number of inner plates

BASIC INFORMATION ABOUT HEAT EXCHANGER – type P 500

PLATE SIDE CONNECTION	DN 25
SHELL SIDE CONNECTION	DN 25 - DN 200
DIMENSIONS – H x W x L [mm]	665 x 628 x 253 + 3.3 x n
AREA PER PLATE [m ² /plate]	0.165 x n
VOLUME OF PLATE / SHELL SIDE [l]	0.08 / 0.41 x channels
WEIGHT OF HEAT EXCHANGER [kg]	59.4 + 0.62 x n
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	500
MAXIMAL FLOW [m ³ /h]	120
MAXIMAL WORKING TEMPERATURE [°C]	+ 400
MINIMAL WORKING TEMPERATURE [°C]	- 200
WORKING PRESSURES	NP6, NP16, NP25, NP32, NP40
TEST PRESSURE [bar]	60

Material codes: EN 10088-2, ASTM, GOST



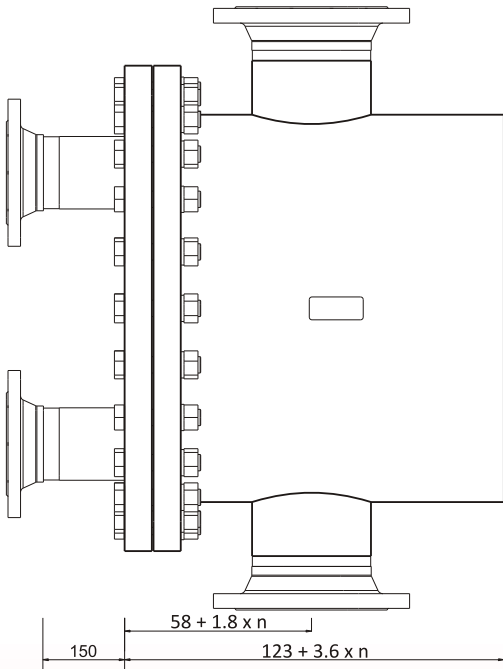
MATERIALS

SHELL AND CONNECTIONS

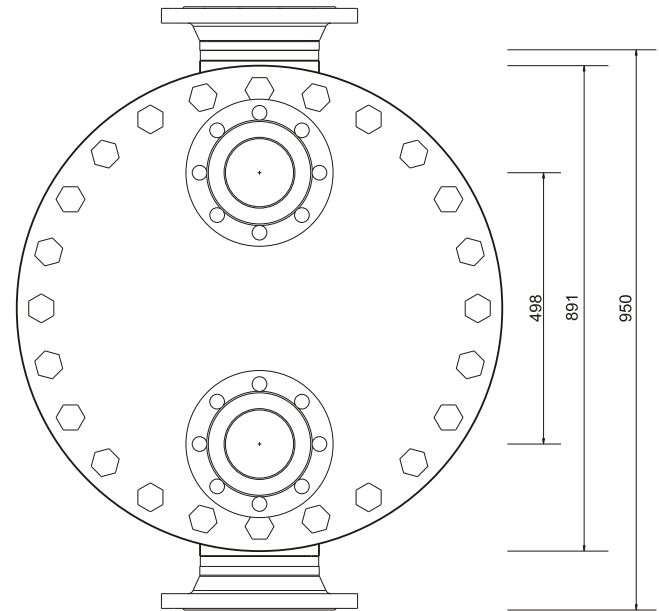
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 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES

AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2



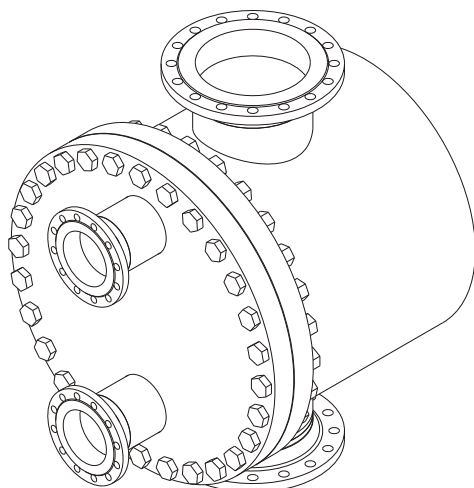
n - number of inner plates



BASIC INFORMATION ABOUT HEAT EXCHANGER - type P 660

PLATE SIDE CONNECTION	DN 125
SHELL SIDE CONNECTION	DN 25 - DN 300
DIMENSIONS – H x W x L [mm]	950 x 891 x 273 + 3.6 x n
AREA PER PLATE [m ² /plate]	0.369 x n
VOLUME OF PLATE / SHELL SIDE [l]	0.12 / 0.59 x channels
WEIGHT OF HEAT EXCHANGER [kg]	513.1 + 2.24 x n
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	600
MAXIMAL FLOW [m ³ /h]	250
MAXIMAL WORKING TEMPERATURE [°C]	+ 400
MINIMAL WORKING TEMPERATURE [°C]	- 200
WORKING PRESSURES	NP6, NP16, NP25, NP32, NP40
TEST PRESSURE [bar]	60

Material codes: EN 10088-2, ASTM, GOST



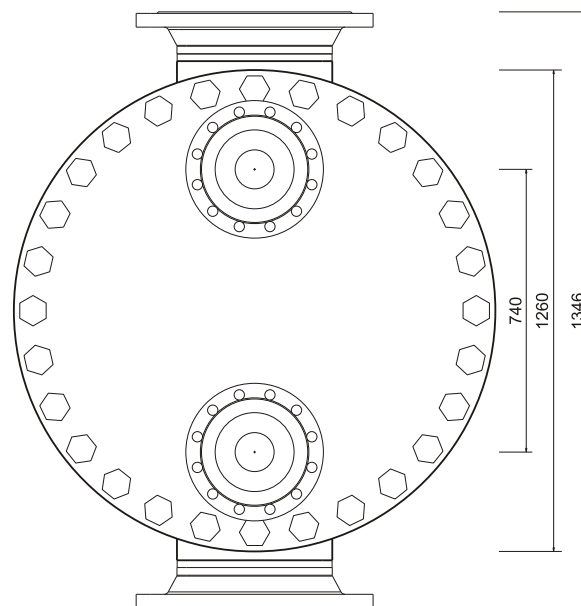
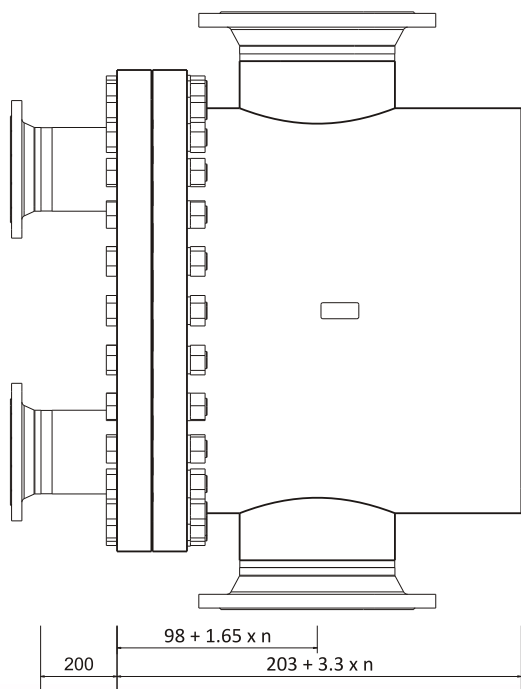
MATERIALS

SHELL AND CONNECTIONS

S235JR, A 570-36, 1.0038 , S245 - COATED
 AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES

AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2



n - number of inner plates

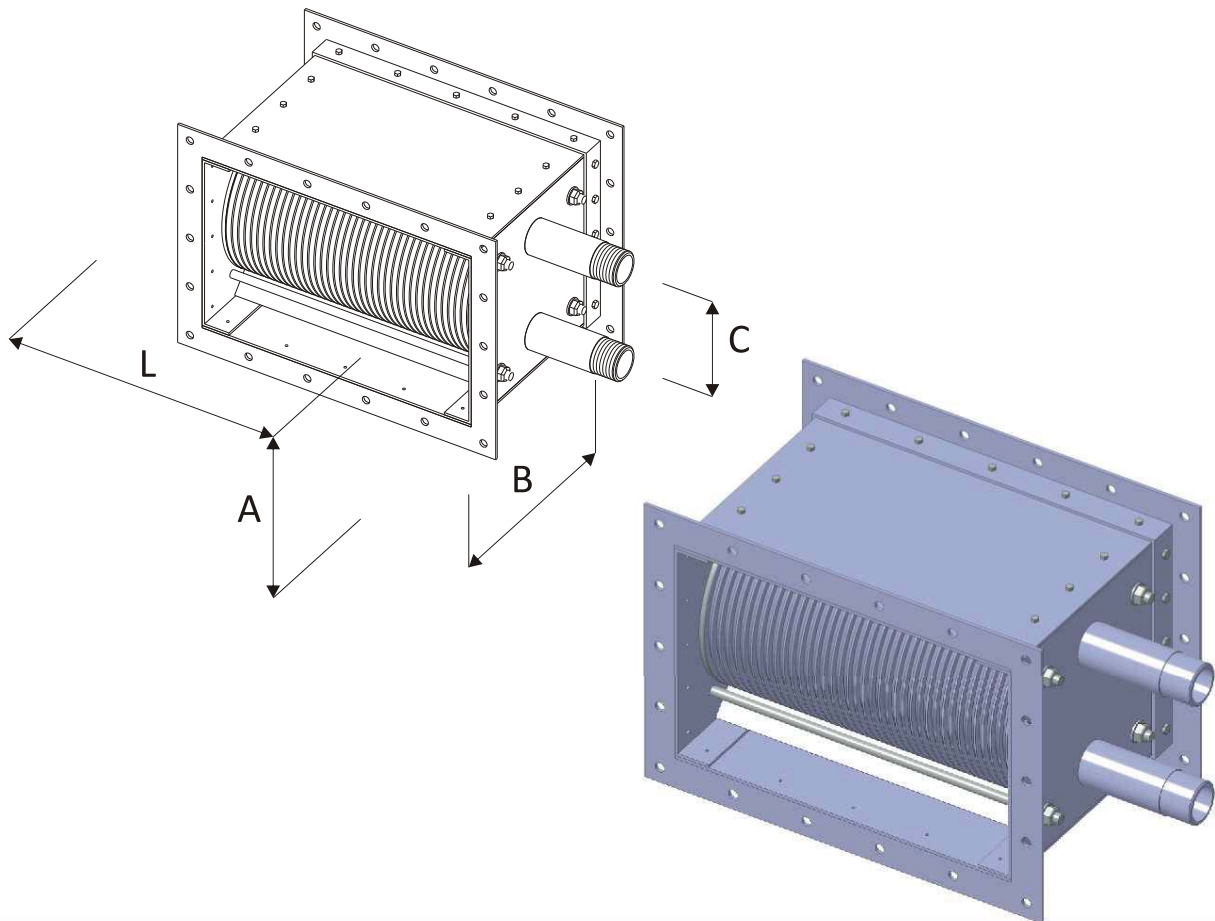
BASIC INFORMATION ABOUT HEAT EXCHANGER – type P 1000

PLATE SIDE CONNECTION	DN 200
SHELL SIDE CONNECTION	DN 25 - DN 600
DIMENSIONS – H x W x L [mm]	1346 x 1260 x 403 + 3.3 x n
AREA PER PLATE [m ² /plate]	0.717 x n
VOLUME OF PLATE / SHELL SIDE [l]	0.17 / 0.83 x channels
WEIGHT OF HEAT EXCHANGER [kg]	1063.4 + 4.46 x n
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	700
MAXIMAL FLOW [m ³ /h]	700
MAXIMAL WORKING TEMPERATURE [°C]	+ 400
MINIMAL WORKING TEMPERATURE [°C]	- 200
WORKING PRESSURES	NP6, NP16, NP25, NP32, NP40
TEST PRESSURE [bar]	60

Material codes: EN 10088-2, ASTM, GOST

SMOKESTACK HEAT EXCHANGER

According to the most modern global trends in terms of ecology and energy saving EURO HEAT has developed a special category smokestack heat exchanger which are used as heat economizers, and recuperates heat from waste gases.



n - number of inner plates

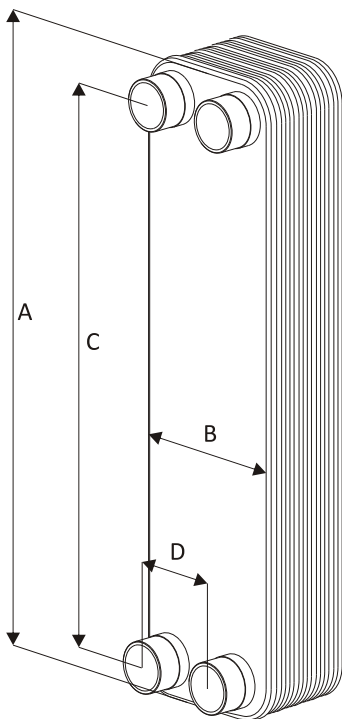
SMOKESTACK HEAT EXCHANGER				
TYPE	A [mm]	B [mm]	C [mm]	L [mm]
P 100	230	230	80	2.6 x n
P 200	315	315	130	2.5 x n
P 350	500	500	226	3.5 x n
P 500	700	700	330	3.6 x n
P 660	950	950	498	3.6 x n
P 1000	1300	1300	740	3.3 x n

BRAZED PLATE HEAT EXCHANGERS

At the moment EURO HEAT has 4 different types of brazed heat exchangers in its production line with connections from 3/4" up to 2 1/2" .

Brazed heat exchangers are characterized by a high degree of efficiency of the heat exchange area, hermetic sealing, great reliability in operation, resistance to high pressures, high temperature of working fluids and small dimensions.

These heat exchangers are widely used in many systems, such as: refrigerating installations, district heating, cooling systems, food industry, pharmaceutical industry and many more.



BRAZED HEAT EXCHANGERS					
TYPE	CONNECTION	A [mm]	B [mm]	C [mm]	D [mm]
D 100	3 / 4 "	276	105	224	53
D 500	5 / 4 "	526	120	66	473
D 600	2 "	530	256	439	177
D 800	2 1/2"	782	350	655	220



IDENTIFYING BRAZED HEAT EXCHANGERS

D 600 - 060 - MODEL OF BRAZED HEAT EXCHANGER

D 600 - TYPE OF BRAZED HEAT EXCHANGER

060 - NUMBER OF INNER PLATES

MATERIALS

END PLATES

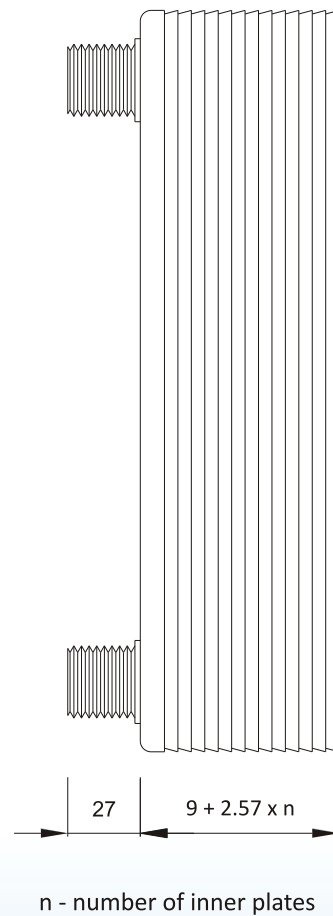
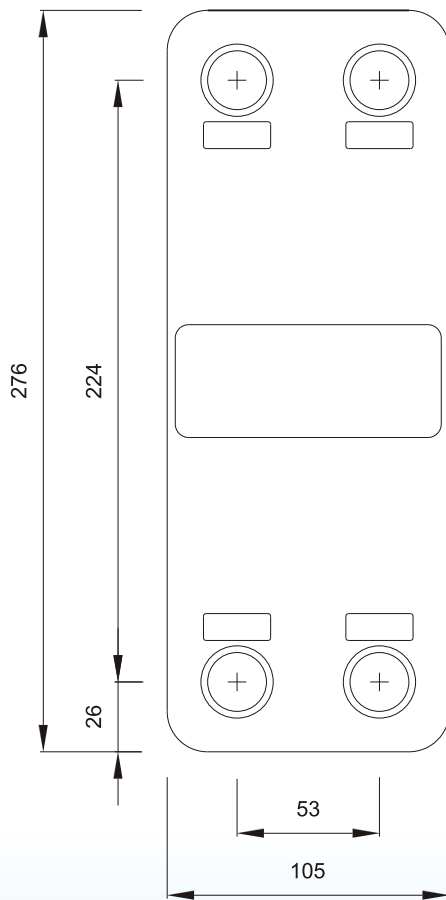
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 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES AND CONNECTIONS

AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

BRAZING MATERIAL

Copper 9.99%



BASIC INFORMATION ABOUT HEAT EXCHANGER – type D 100

CONNECTION	3 / 4 " - threaded
DIMENSIONS – H x W x L [mm]	276 x 105 x 36 + L
AREA PER PLATE [m ²]	0.032 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.028 / 0.028 x channels
WEIGHT OF HEAT EXCHANGER [kg]	0.4 + 0.15 x n
THICKNESS OF END PLATES [mm]	2
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	80
MAXIMAL FLOW [m ³ /h]	8
MAXIMAL WORKING TEMPERATURE [°C]	+ 220
MINIMAL WORKING TEMPERATURE [°C]	- 160
WORKING PRESSURES	NP6, NP16, NP25, NP32
TEST PRESSURE [bar]	45

MATERIALS

END PLATES

AISI 304, X5CrNi8-10, 1.4301, 08Ch18N10

AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2

AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES AND CONNECTIONS

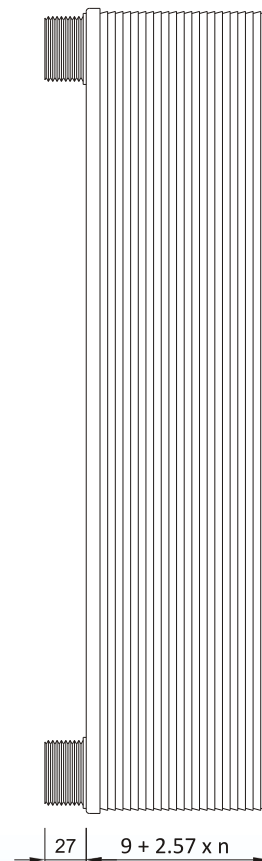
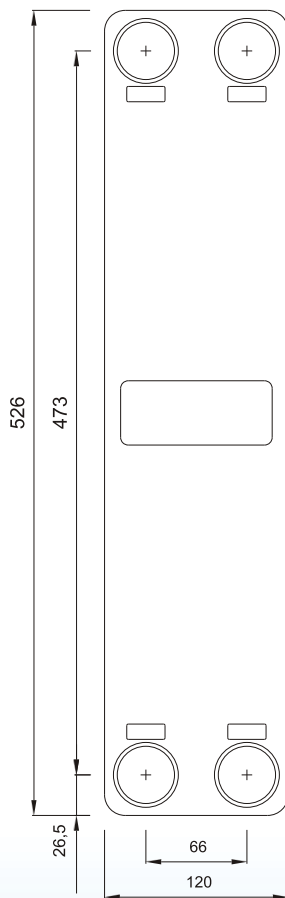
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AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2

AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

BRAZING MATERIAL

Copper 9.99%



n - number of inner plates

BASIC INFORMATION ABOUT HEAT EXCHANGER – type D 500

CONNECTION	5 / 4 " - threaded
DIMENSIONS – H x W x L [mm]	526 x 120 x 36 + L
AREA PER PLATE [m ²]	0.07 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.12 / 0.12 x channels
WEIGHT OF HEAT EXCHANGER [kg]	2.3 + 0.2 x n
THICKNESS OF END PLATES [mm]	2
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	80
MAXIMAL FLOW [m ³ /h]	24
MAXIMAL WORKING TEMPERATURE [°C]	+ 220
MINIMAL WORKING TEMPERATURE [°C]	- 160
WORKING PRESSURES	NP6, NP16, NP25, NP32
TEST PRESSURE [bar]	45

Material codes: EN 10088-2, ASTM, GOST

MATERIALS

END PLATES

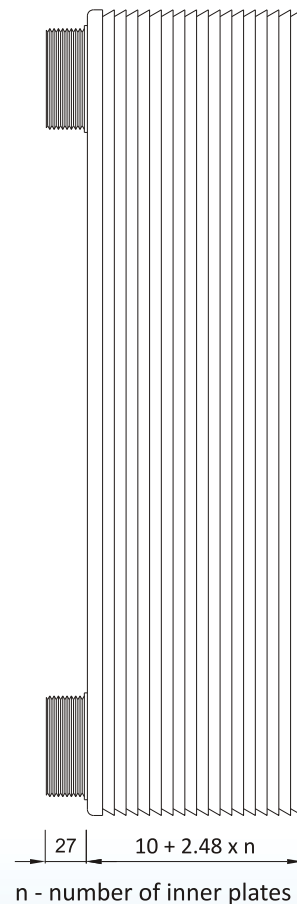
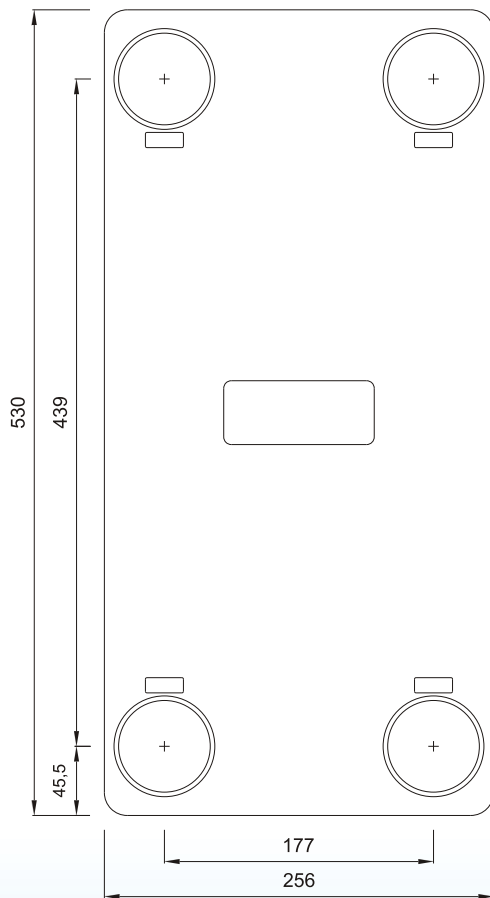
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 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES AND CONNECTIONS

AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

BRAZING MATERIAL

Copper 9.99%



BASIC INFORMATION ABOUT HEAT EXCHANGER – type D 600

CONNECTION	2 " - threaded
DIMENSIONS – H x W x L [mm]	530 x 256 x 36 + L
AREA PER PLATE [m ²]	0.15 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.27 / 0.27 x channels
WEIGHT OF HEAT EXCHANGER [kg]	8.1 + 0.41 x n
THICKNESS OF END PLATES [mm]	2
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	100
MAXIMAL FLOW [m ³ /h]	40
MAXIMAL WORKING TEMPERATURE [°C]	+ 220
MINIMAL WORKING TEMPERATURE [°C]	- 160
WORKING PRESSURES	NP6, NP16, NP25, NP32
TEST PRESSURE [bar]	45

MATERIALS

END PLATES

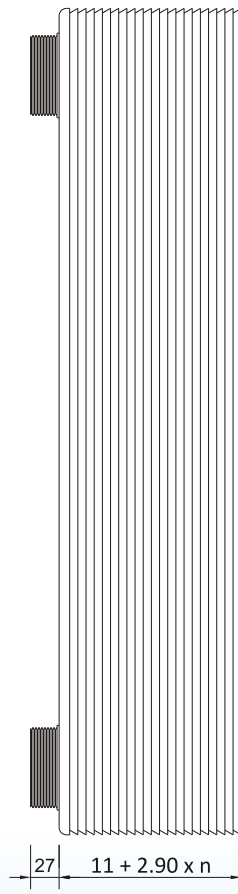
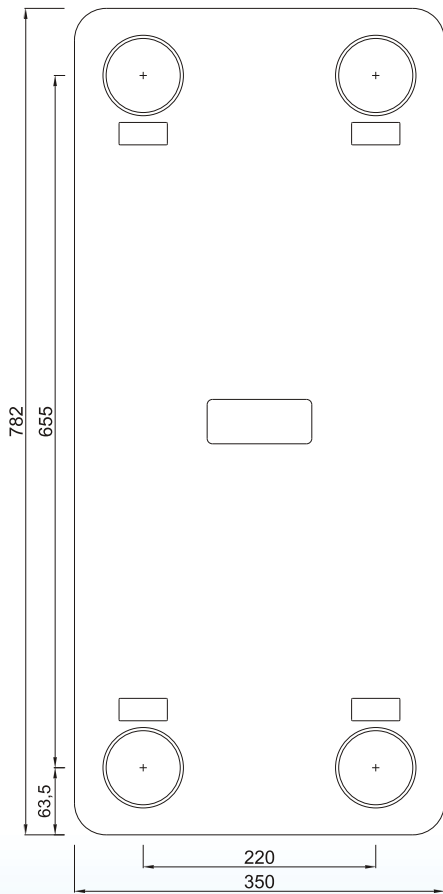
AISI 304, X5CrNi8-10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

INNER PLATES AND CONNECTIONS

AISI 304, X5CrNi8 -10, 1.4301, 08Ch18N10
 AISI 316, X5CrNiMo 17-12-2, 1.4401, 03Ch17N13M2
 AISI 316L, X2CrNiMo 18-14-3, 1.4435, 03Ch17N14M2

BRAZING MATERIAL

Copper 9.99%



n - number of inner plates

BASIC INFORMATION ABOUT HEAT EXCHANGER – type D 800

CONNECTION	2 1/2 " - threaded
DIMENSIONS – H x W x L [mm]	782 x 350 x 36 + L
AREA PER PLATE [m ²]	0.3 x n
VOLUME PRIMARY / SECONDARY SIDE [l]	0.53 / 0.53 x channels
WEIGHT OF HEAT EXCHANGER [kg]	0.4 + 0.15 x n
THICKNESS OF END PLATES [mm]	2
THICKNESS OF INNER PLATES [mm]	0.5
MAXIMAL NUMBER OF INNER PLATES	200
MAXIMAL FLOW [m ³ /h]	60
MAXIMAL WORKING TEMPERATURE [°C]	+ 220
MINIMAL WORKING TEMPERATURE [°C]	- 160
WORKING PRESSURES	NP6, NP16, NP25, NP32
TEST PRESSURE [bar]	45

Material codes: EN 10088-2, ASTM, GOST

HEATING SUB STATIONS

EURO HEAT SUB is a complete system for district heating systems ready for installation in the space within the building for a very short time.

EURO HEAT SUB substations are designed for heating systems and preparation of sanitary hot water in residential and commercial buildings.

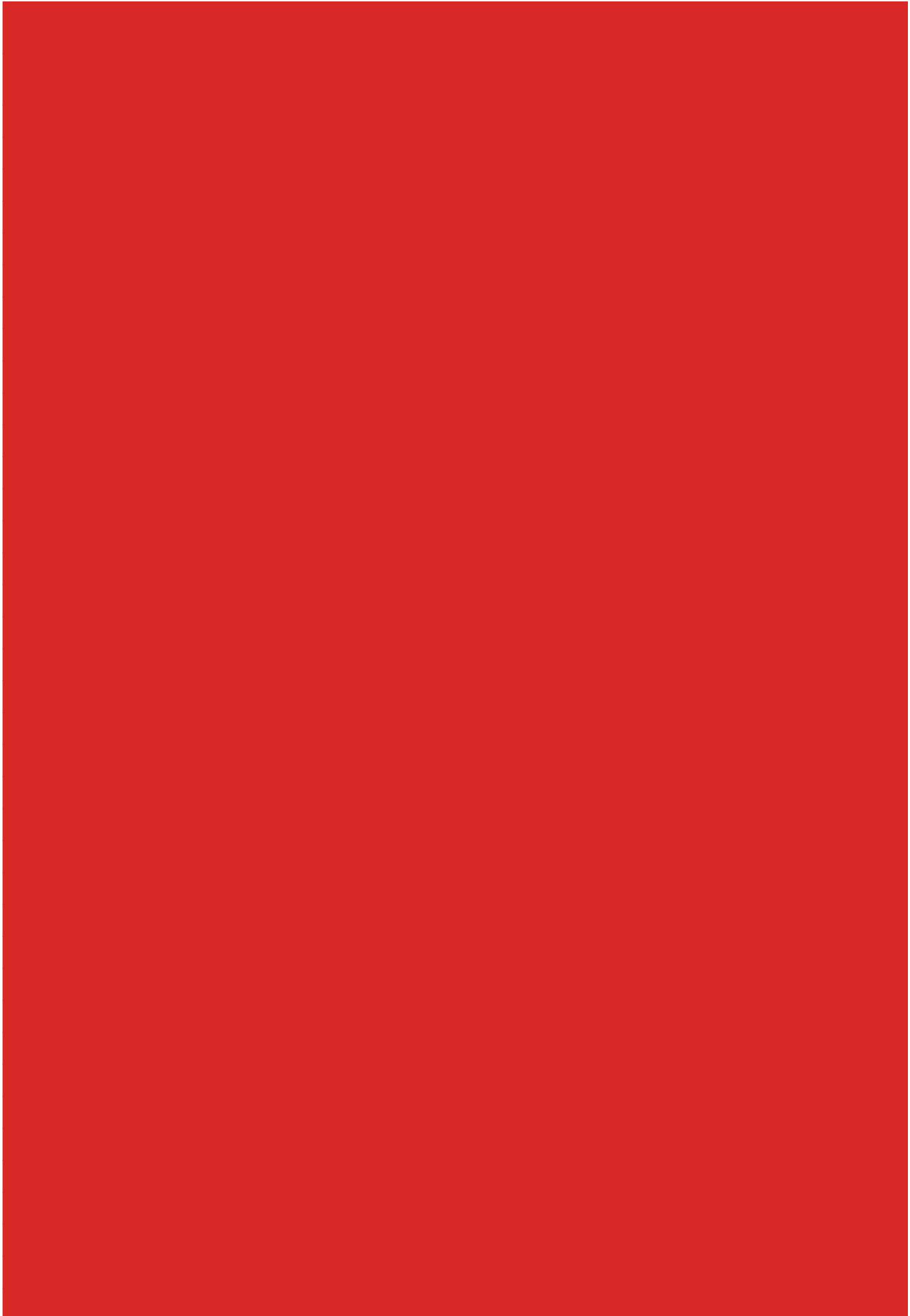
EURO HEAT SUB substations are fully automated and have the ability to control all heating circuits according to manually set temperatures or depending on outside temperature.

All EURO HEAT SUB substations are made of the highest quality, certified and proven components.

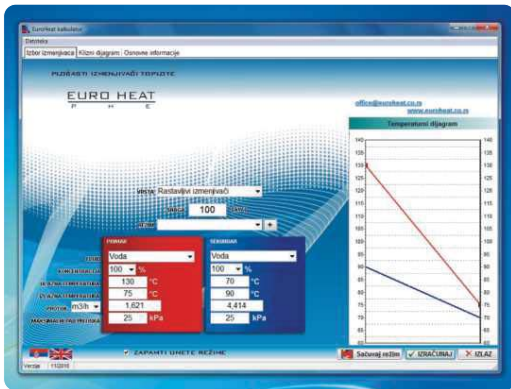
Rigorous control of finished products is confirmed through obtaining the CE mark as well as GostR certificate of the Russian Federation on which EURO HEAT exports its products for many years.



**TABELA ZA IZBOR IZMENJIVAČA TOPLOTE
U NAJČEŠĆIM REŽIMIMA CENTRALNOG GREJANJA**

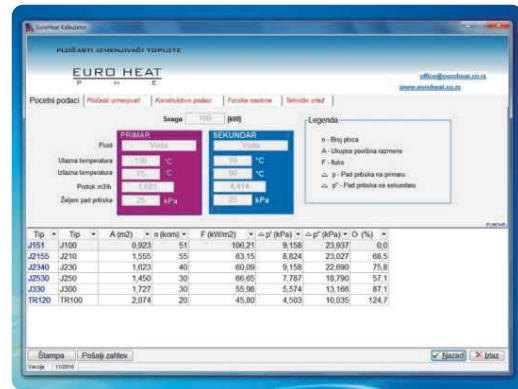


SOFTWARE SOLUTIONS

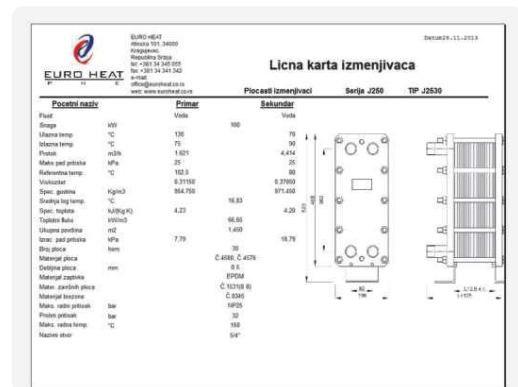


EURO HEAT CALC

is our own software based on calculations and measurements performed in our own laboratory. Software is created so that end user can easy and efficiently calculate necessary heat exchanger by inputting parameters such as heat load, temperature regimes and pressure drops. By inputting required parameters software offers list of heat exchangers that meets users demands.



List of heat exchangers which meets requirements with their technical characteristics, structural data, physical properties and technical drawings with the possibility of display all in PDF format.

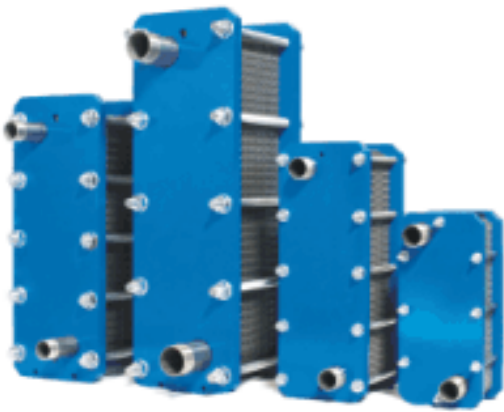


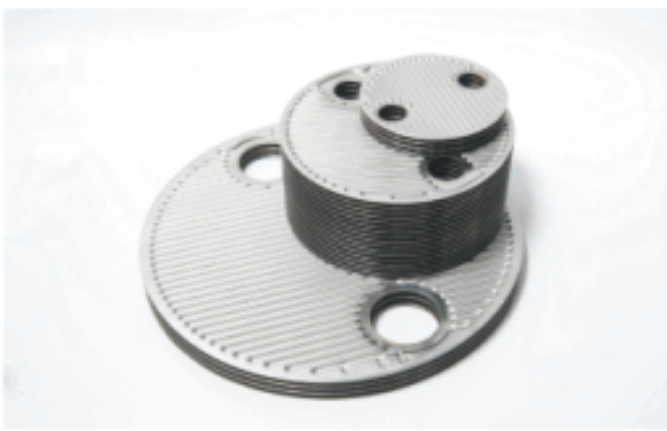
Data sheet of chosen exchanger you can show on screen, save, print...



It is possible to use our software's on mobile phones. They are available for the Android and iOS platform.











ISO 9001
ISO 14001
ISO 18001



EURO HEAT

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