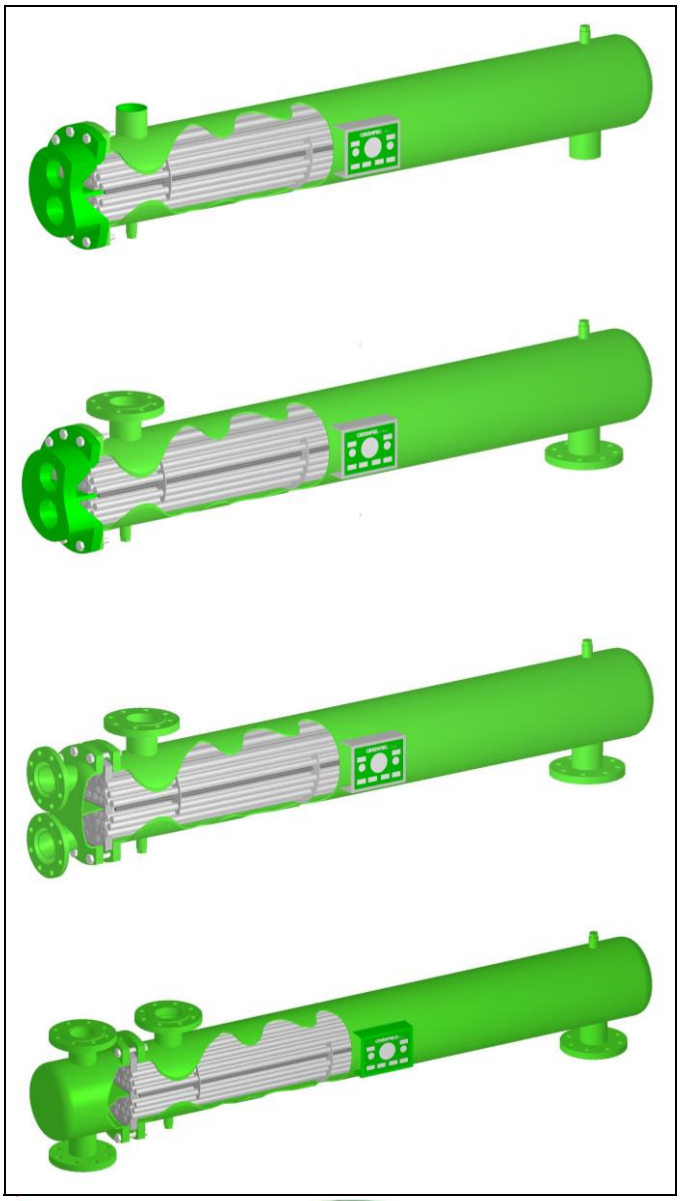
WITH STEPS REMOVABLE “U” TUBE BUNDLE



DESCRIPTION

The BEU series heat exchangers have been calculated and designed so that to obtain different models that differ in size and surface area. The baffles configuration, that characterize the shell internal geometry, allow to cover a very wide range of applications.
They are available with 2 or 4 steps to ensure the most of the heat transfer fluids to be exchanged.
They are designed an built according to the following Directive:
PED 2014/68/UE with basic calculation code EN13445 Ed.2014; on request they can be designed according to ASME code VIII Div. 1 or AD2000 .
They are classified with different categories, depending on the design pressure, on the the circuits or compartments volumes and on the fluid types.
The Directive provides for two groups::
Dangerous fluids Group 1
Non dangerous fluids Group 2
The Directive is exempt for pressure ≤ 0.5 bar.
In the following tables are defined the categories as a function of the fluid groups.

WARNING ! According to a specific article of the Directive, when one of the compartments contains a fluid ≥ to the first category and the second compartment contains a fluid falling in a higher category, the entire container assumes the highest category.

ATEX 2014/34/UE
II 2G/D Exh IIB T6….T1 Gb – Exh IIIC T6….T1 Db
Non-electrical equipment for potentially explosive atmospheres.

They consist of a basic cylinder head 2 or 4 steps (or more on request) , lowered with front connections, or cylindrical with perpendicular connections, of a shell and of a removable “U” tube bundle made of by "U" tubes just rolled or welded and rolled on a single plate. The typical configuration of the "U" tubes allows to absorb all thermal expansion created during the exchange process and ensure a perfect maintenance being the bundle tube removable .

A proper configuration, grants a wide choice of materials including carbon steel and stainless steel; other materials are available on request.
The BEU Series exchanger is used for the heat exchange between various fluids in industrial processes or in civil processes of relevant potentiality. The advantages of a very low cost, easy inspection of the external circuit and easy maintenance, make it one of the most used heat exchange in industrial applications.
They are specially designed for industrial heat transfer fluids such as steam, hot water, thermal oil, water and other fluids.

PED	***ATEX***
Various modules	***II 2 G/D Exh IIB T6….T1 Gb***
CE 1214	***Exh IIIC T6….T1 Db***
	CE 1370

CONFIGURATION - materials

Head	Carbon Steel
	AISI 304 Stainless steel
	AISI 316 Stainless steel
	Other materials on request
Gaskets	Tecnograph GR th.. 3 mm
	Other materials on request
Rods and nuts	A193B7 + A194 2H
	A193B8 + A194 Gr.8
	A193 B8M + A194 Gr.8M
Tune sheet	Carbon Steel
	AISI 304 Stainless steel
	AISI 316 Stainless steel
	Other materials on request
Tubes – pitch 24 **Rolled on tube sheet**	Fe 35.2 Ø 18 x 1,5
	St. Steel AISI 304 A249 Ø 18 x 1 or 18 x 1,5
Diathermic oil version **Welded and rolled on tube sheet**	St. Steel AISI 316 A249 Ø 18 x 1 or 18 x 1,5
	Other materials and dimensions on request
Shell	Carbon Steel
	AISI 304 Stainless steel
	AISI 316 Stainless steel
	Other materials on request
Baffles	Carbon Steel
	AISI 304 Stainless steel
	AISI 316 Stainless steel
	Other materials on request

ACCESSORIES ON REQUEST

Supports	Carbon Steel
	AISI 304 Stainless steel
	AISI 316 Stainless steel
Lifting eyebolts	Carbon Steel
	AISI 304 Stainless steel
	AISI 316 Stainless steel

Sizes 1-2-3-4-5 are standardized with fixed number of baffles (example 211 06 - Ø168 with n° 6 baffles)

Sizes 6-7-8-9 are configurable.

Products codification system follows at pag. 4

Example code

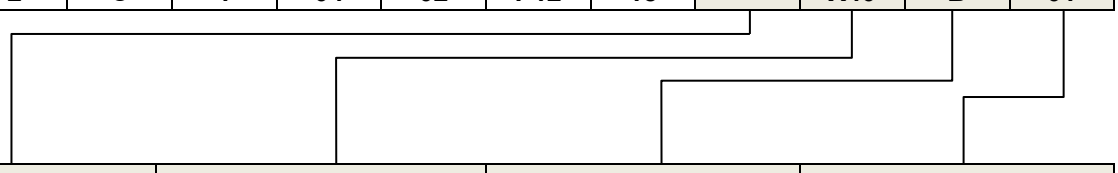
VBEU	2	C	1	04	02	P12	18	C	X40	B	01

Series identification		N° steps		Head type		Ø exchanger		Exchanger lenght		N° baffles		Design pressure (bar) Tube side		Ø Tubes	
	2	2 steps	**F**	Screwed	**1**	Ø133	**04**	400	**04**	4	**P00**	0	**18**	18
	4	4 steps	**R**	Lowered	**2**	Ø168	**05**	500	**05**	5	**P06**	06	**19**	19
	6	6 steps	**C**	Cylindrical	**3**	Ø219	**07**	700	**06**	6	**P10**	10	**25**	25
	8	8 steps			**4**	Ø273	**09**	900	**08**	8	**P12**	12	**Y**	Spec.
					5	Ø324	**11**	1100	**10**	10	**P16**	16		
					6	Ø356	**13**	1300	**11**	11	**P25**	25		
					7	Ø406	**15**	1500	**12**	12				
					8	Ø456	**16**	1600	**13**	13				
					9	Ø508	**18**	1800	**14**	14				
							19	1900	**15**	15				
							20	2000	**16**	16				
							22	2200	**17**	17				
							23	2300	**18**	18				
							24	2400	**19**	19				
							25	2500	**20**	20				
							27	2700	**21**	21				
							28	2800	**22**	22				
							29	2900	**23**	23				
							31	3100	**24**	24				
							32	3200	**25**	25				
							33	3300	**26**	26				
							35	3500	**27**	27				
							36	3600	**28**	28				
							39	3900	**29**	29				
							41	4100	**30**	30				
							47	4700	**31**	31				
							52	5200	**32**	32				
									33	33				
									34	34				
									35	35				
									36	36				
									37	37				
									38	38				
									39	39				
									1L	Longitudinal baffle				
									LD	Long. + baffle				

Products codification system

Follows example code

VBEU	2	C	1	04	02	P12	18	C	X40	B	01



Tube execution

C	Double undercut
M	Rolled
S	Welded and rolled

Materials

X40	St. steel AISI304
X30	Tubes, sheets, shell A304 Other Carbon steel
X20	Tubes, sheets, shell A304 Other Carbon steel
X10	Tubes, sheets A304 resto in Acc. Carb.
X00	Tubi AISI304 Other Carbon steel
K40	St. Steel AISI316
K30	Tubes, sheets, shell A316 Other Carbon steel
K20	Tubes, sheets, head A316 Other Carbon steel
K10	Tubes, sheets A316 Other Carbon steel
K00	Tubes AISI316 Other Carbon steel
F00	Tubes Fe Other Carbon steel
C00	Copper Tubes Other Carbon steel
Y00	Special materials

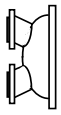
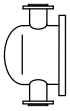
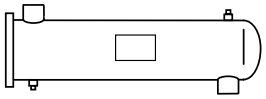
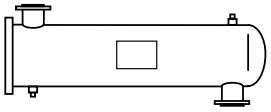
Shell side connections

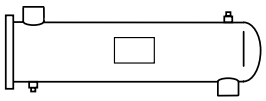
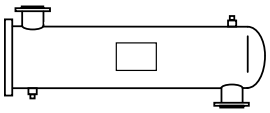
A	Standard
B	1° Increase
C	2° Increase
D	2 different connections
E	3 connections
M	1° Decrease
N	2° Decrease

Supports

00	Standard
01	Horizontal supports Carbon Steel
02	Horizontal supports AISI304
03	Horizontal supports Carbon st. eyebolts
04	Horizontal supports AISI304 eyebolts

CONFIGURATION - PED – Design pressures and categories (tables–groups)

DRAWINGS EXPLANATION				
				
Front head Screwed connections	Front head Flanged connections	Cylindrical head flanged perpendicular connections	Shell Screwed connections	Shell Flanged connections

Side		Design pressure	Size 1			
			107 06	111 10	115 12	120 16
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	  4/3			
	Tab.4 Gr. 2	12 bar @ 110 °C	   4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	 4/3			I°
			 4/3			I°
			 I°			
		16 bar @ 204,4 °C	 I°			
Shell (1)						
	Tab.3 Gr. 1	6 bar @ 350 °C	4/3			
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	I°			II°
	Tab.2 Gr. 2	16 bar @ 204,4 °C	I°			II°

Note (1) All shells ar provided with Ø 1/2” Rp ISO 7 breather and drain connections

Technical note : minimum design temperature STD for all versions : 0 ° C

CONFIGURATION - PED – Design pressures and categories (tables–groups)

Side		Design pressure	Size 2			
			207 04	211 06	215 08	220 14
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	4/3			
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	4/3	I°		
			I°			
			I°			
		16 bar @ 204,4 °C	I°		II°	
		25 bar @ 226.1 °C	II°			
Shell (3)	Tab.3 Gr. 1	6 bar @ 350 °C	4/3			
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	I°	II°		
	Tab.2 Gr. 2	16 bar @ 204,4 °C	II°			

Note (1) All shells ar provided with Ø 1/2” Rp ISO 7 breather and drain connections

Technical note : minimum design temperature STD for all versions : 0 ° C

CONFIGURATION - PED – Design pressures and categories (tables–groups)

Side		Design pressure	Size 3			
			309 06	311 08	315 10	320 16
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	4/3			
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7°C	I°			II°
			I°	II°		
		16 bar @ 204,4 °C	II°			
		25 bar @ 226.1 °C	II°			
Shell (1)	Tab.3 Gr. 1	6 bar @ 350 °C	4/3		I°	
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	II°			
	Tab.2 Gr. 2	16 bar @ 204.4 °C	II°			

Side		Design pressure	Size 4			
			411 06	415 08	420 10	424 16
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	4/3		I°	
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7°C	II°			
			II°			
		16 bar @ 204,4 °C	II°			
		25 bar @ 226.1 °C	II°		II° (2)	
Mantello (1)	Tab.3 Gr. 1	6 bar @ 350 °C	4/3		I°	
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	II°			II° (2)
	Tab.2 Gr. 2	⇨	II° 16 bar @ 204,4°C		III° 16 bar @ 205 °C / or II° (2)	

Note (1) All shells ar provided with Ø 1/2” Rp ISO 7 breather and drain connections
Note (2) Declass PS

Technical note : minimum design temperature STD for all versions : 0 ° C

CONFIGURATION - PED – Design pressures and categories (tables–groups)

Side		Design pressure	Size 5			
			511 06	515 08	520 10	524 16
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	I°			
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7°C	II°			
			II°			
			II° 16 bar @ 204.4 °C		III° 16 bar @ 205°C	
Shell(1)	Tab.3 Gr. 1	6 bar @ 350 °C	I°			
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3			
	Tab.2 Gr. 2	12 bar @ 191.7 °C	II°	II° (2)		
	Tab.2 Gr. 2	16 bar @ 205 °C	III°			

Side		Design pressure	Size 6						
			615	616	619	622	625	628	631
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	I°						
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3						
	Tab.2 Gr. 2	12 bar @ 191.7°C	II°				III°		
			II° 16 bar @ 204.4 °C	III°					
		16 bar @ 205 °C	III°						
Shell (1)	Tab.3 Gr. 1	6 bar @ 350 °C	I°						
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3						
	Tab.2 Gr. 2	12 bar @ 191.7 °C	II° (2)						
	Tab.2 Gr. 2	16 bar @ 205 °C	III°						IV°

Note (1) All shells ar provided with Ø 1/2" Rp ISO 7 breather and drain connections
Nota (2) Declass PS

Technical note : minimum design temperature STD for all versions : 0 ° C

CONFIGURATION - PED – Design pressures and categories (tables–groups)

Side		Design pressure	Size 7					
			718	720	723	725	729	733
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	I°					
	Tab.2 Gr. 2	12 bar @ 110 °C	4/3					
	Tab.2 Gr. 2	12 bar @ 191.7 °C	II° (2)					
	Tab.2 Gr. 2	12 bar @ 191.7 °C	II° (2)					
	Tab.2 Gr. 2	16 bar @ 205 °C	III°					
Shell (1)	Tab.3 Gr. 1	6 bar @ 350 °C	I°					
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3					
	Tab.2 Gr. 2	16 bar @ 205 °C	III°			IV°		

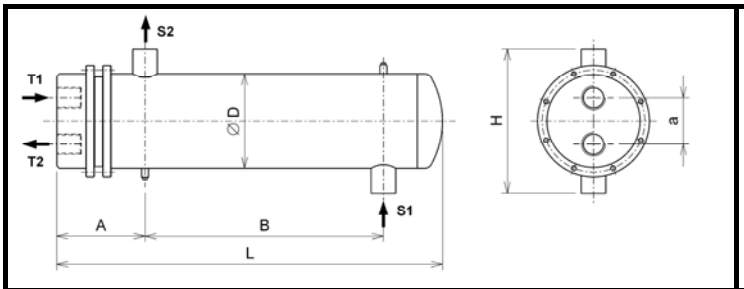
Side		Design pressure	Size 8						
			820	822	825	829	832	835	839
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	I°						
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3						
	Tab.2 Gr. 2	16 bar @ 205 °C	III°		IV°				
Shell (1)	Tab.3 Gr. 1	6 bar @ 350 °C	I°						
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3						
	Tab.2 Gr. 2	16 bar @ 205 °C	IV°						

Side		Design pressure	Size 9								
			920	923	925	928	931	936	941	947	952
Tubes	Tab.3 Gr. 1	6 bar @ 350 °C	I°								
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3								
	Tab.2 Gr. 2	16 bar @ 205 °C	IV								
Shell (1)	Tab.3 Gr. 1	6 bar @ 350 °C	I°								
	Tab.4 Gr. 2	12 bar @ 110 °C	4/3								
	Tab.2 Gr. 2	16 bar @ 205 °C	IV°								

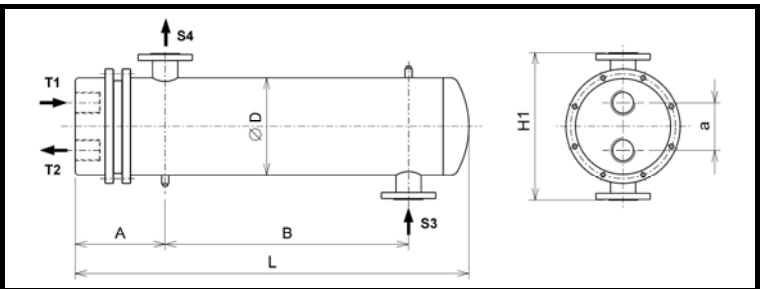
Note (1) All shells ar provided with Ø 1/2" Rp ISO 7 breather and drain connections
Nota (2) Declass PS
Technical note : minimum design temperature STD for all versions : 0 ° C

Models - Dimensions in mm, Connections and Weight in Kg.

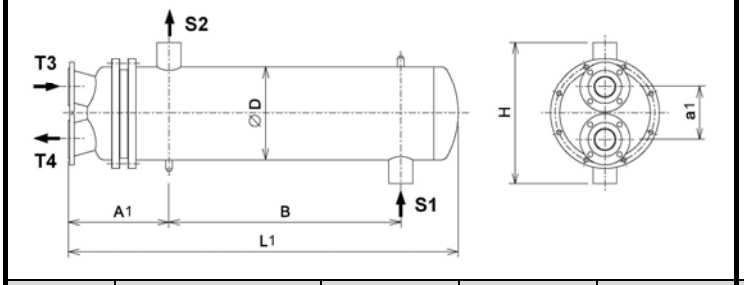
Size 1 Models configuration – " P12 - P16 "



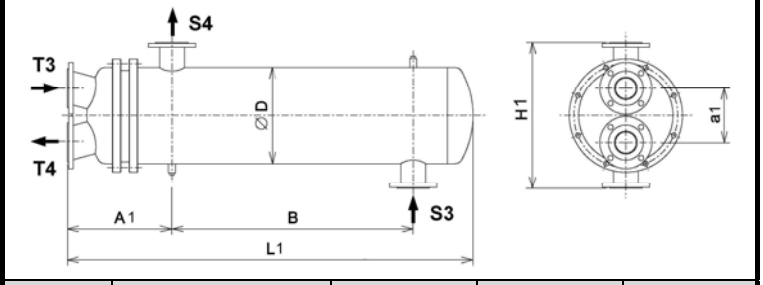
Mod.	107 06	111 10	115 12	120 16
Weight Kg	37	49	61	73



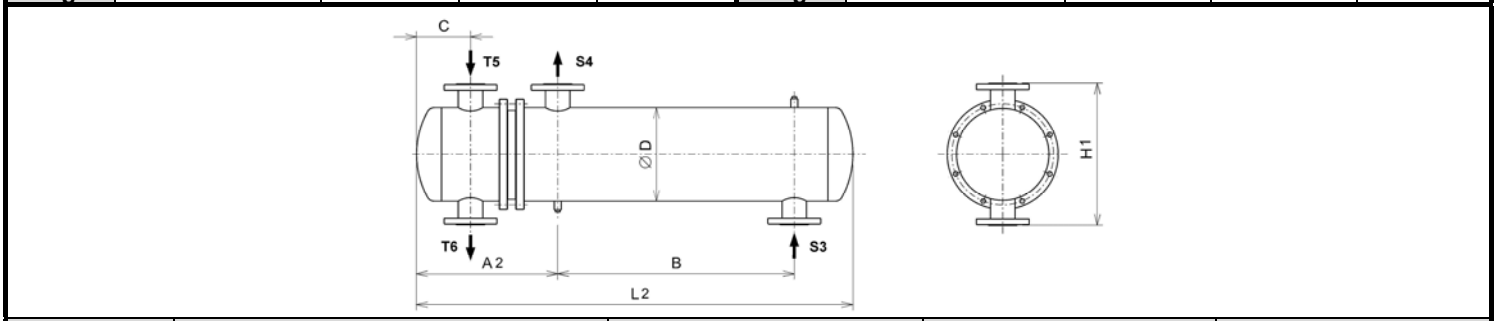
Mod.	107 06	111 10	115 12	120 16
Weight Kg	43	55	67	79



Mod.	107 06	111 10	115 12	120 16
Weight Kg	40	52	64	76



Mod.	107 06	111 10	115 12	120 16
Weight Kg	46	58	70	82



Model	107 06	111 10	115 12	120 16
Weight Kg	42	54	66	78

Female Gas Thread According to ISO Rp 7 - Flanges according to EN 1092-1 (Other executions on request)

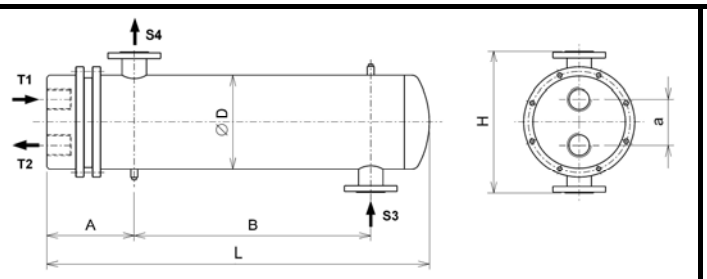
Size	Mod.	ØD	Head connections				Shell connections			
			T1 - T2	T3 - T4	T5-T6		S1 - S2	S3 - S4	S3 - S4	
			2 steps	4 steps	2 – 4 steps				I° increase	II° increase
1	107	133	Ø 1.1/2" Gas	Ø 1.1/4" Gas	DN 40 PN 16	DN 40 PN 40 (1)	Ø 2" Gas	DN 50 PN 16 (2)	DN 65 PN 16 (2)	DN 80 PN 16 (2)
	111									
	115									
	120									

(1) If the cylindrical head has design pressure P06 - 6 bar @ 350 ° C, the flange connections are PN 16
(2) If the shell has design pressure 16 bar @ 204.4 the flange is PN 40

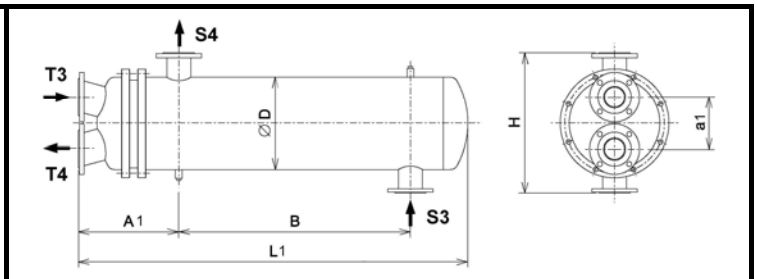
Size	Mod.	ØD	A	A1	A2	B	C	a	a1	H	H1	L	L1	L2
1	107	133	161	221	306	580	100	58	151	237	270	856	916	1001
	111					980						1256	1316	1401
	115					1380						1656	1716	1801
	120					1880						2156	2116	2301

Models - Dimensions in mm, Connections and Weights in Kg.

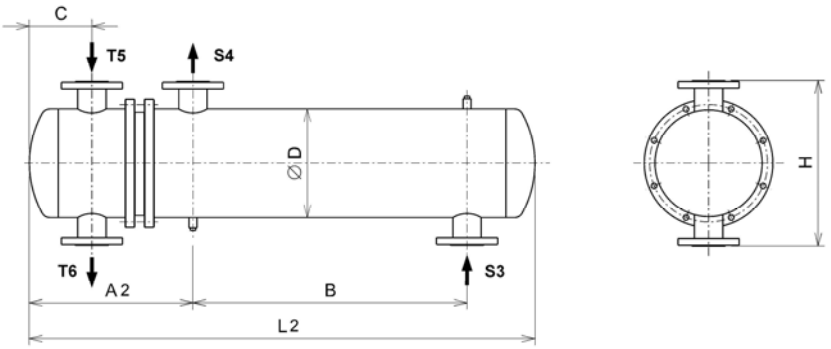
Size 2 Models configurations – " P12 – P16 "



Mod.	207 04	211 06	215 08	220 14
Weight Kg	59	65	78	93



Mod.	207 04	211 06	215 08	220 14
Weight Kg	59	65	77	93



Model	207 04	211 06	215 08	220 14
Weight Kg	64	70	82	98

Female Gas Thread According to ISO Rp 7 - Flanges according to EN 1092-1 (Other executions on request)

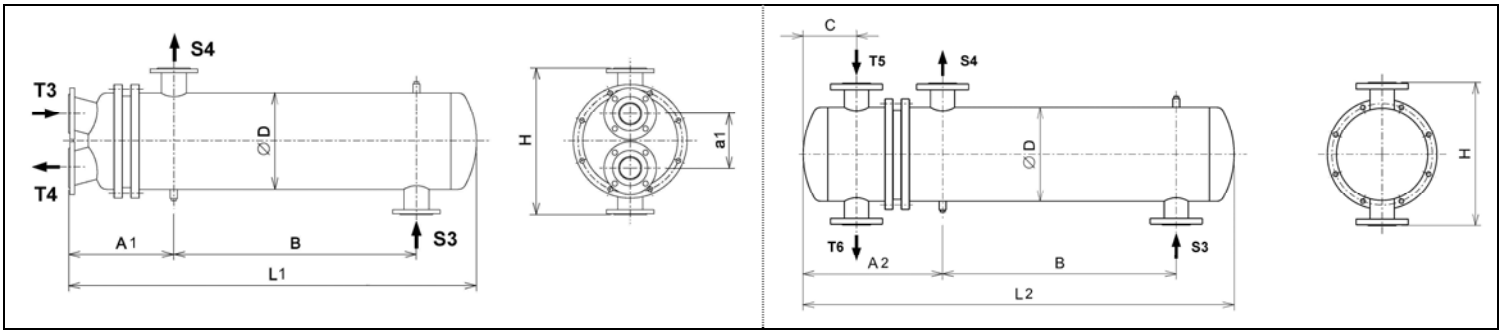
Size	Mod.	ØD	Head connections				Shell connections		
			T1 - T2		T3 –T4	T5-T6	S3 - S4	S3 - S4	
			2 steps	4 steps	2 – 4 steps			I° increase	II° increase
2	207	168	Ø 2" Gas	Ø 1.1/2" Gas	DN 50 PN 16	DN 50 PN 40 (1)	DN 65 PN16 (2)	DN 80 PN16 (2)	DN 100 PN16 (2)
	211								
	215								
	220								

(1) If the cylindrical head has design pressure P06 - 6 bar @ 350 ° C, the flange connections are PN 16
(2) If the shell has design pressure 16 bar @ 204.4 the flange is PN 40

Size	Mod.	ØD	A	A1	A2	B	C	a	a1	H	L	L1	L2
2	207	168	191	286	386	540	135	70	167	320	851	946	1046
	211					940					1251	1346	1446
	215					1340					1651	1746	1846
	220					1840					2151	2246	2346

Models - Dimensions in mm, Connections and Weights in Kg.

Sizes 3 / 4 / 5 / 6 / 7 Models configurations – " P12 – P16 "



Flanges according EN 1092-1 (Other executions on request)

Sise	Model	Ø D	A1	A2	B	C	a1	H	L1	L2	Head conn. T3-T4 N° steps 2 - 4	Head conn. T5-T6 N° steps 2 - 4	Shell connections S3 - S4	Shell connections S3 - S4 Increase I°	Shell connections S3 - S4 Increase II°	Weight Kg P12 lower head	Weight Kg P16 cylindrical head
3	309 06	219	284	399	718	140	190	380	1159	1274	DN65 PN16	DN65 PN40 (1)	DN80 PN16 (2)	DN 100 PN 16 (2)	DN 125 PN16 (2)	91	97
	311 08				918				1359	1474						100	106
	315 10				1318				1759	1874						119	125
	320 16				1818				2259	2374						144	150
4	411 06	273	335	474	886	164	210	460	1393*	1532*	DN80 PN16	DN80 PN40 (1)	DN100 PN16 (2)	DN 125 PN 16 (2)	DN 150 PN16 (2)	128	140
	415 08				1286				1793*	1932*						154	166
	420 10				1786				2293*	2432*						188	200
	424 16				2186				2693*	2832*						214	226
5	511 06	324	392	567	850	205	222	540	1456*	1631*	DN 100 PN16	DN 100 PN40 (1)	DN 125 PN16 (2)	DN 150 PN 16 (2)	DN 200 PN16 (2)	163	180
	515 08				1250				1856*	2031*						213	230
	520 10				1750				2356*	2531*						261	278
	524 16				2150				2756*	2931*						297	314
6	615	356	420	585	1245	225	252	580	1889*	2054*	DN 125 PN16	DN 125 PN40 (1)	DN 150 PN16 (2)	DN 200 PN 16 (2)	DN 250 PN16 (2)	300	316
	616				1345				1989*	2154*						312	328
	619				1645				2289*	2454*						348	364
	622				1945				2589*	2754*						384	400
	625				2245				2889*	3054*						420	436
	628				2545				3189*	3354*						456	472
	631				2845				3489*	3654*						492	508
7	718	406	562	640	1545	260	287	640	2348*	2430*	DN 150 PN16	DN 150 PN40 (1)	DN 150 PN16 (2)	DN 200 PN16 (2)	DN 250 PN16 (2)	435	460
	720				1745				2548*	2630*						465	490
	723				2045				2848*	2930*						510	535
	725				2245				3048*	3130*						546	565
	729				2645				3448*	3530*						606	625
	733				3045				3848*	3930*						666	685

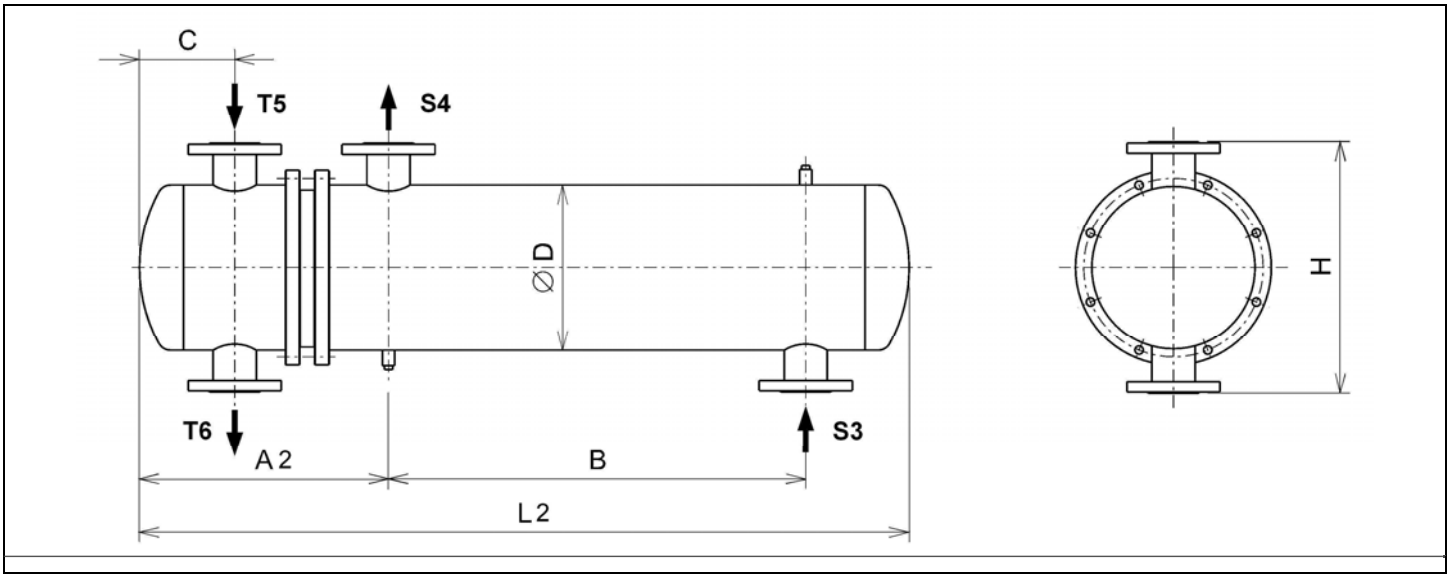
N.A. = Not Applicable

* AISI 304/316 version : see constructive drawing

(1) If the cylindrical head has design pressure P06 - 6 bar @ 350 ° C, the flange connections are PN 16
(2) If the shell has a design pressure of 16 bar @ 205, the flange is PN 40

Models - Dimensions in mm, Connections and Weights in Kg.

Size 8 / 9 Models configuration - " P16 "



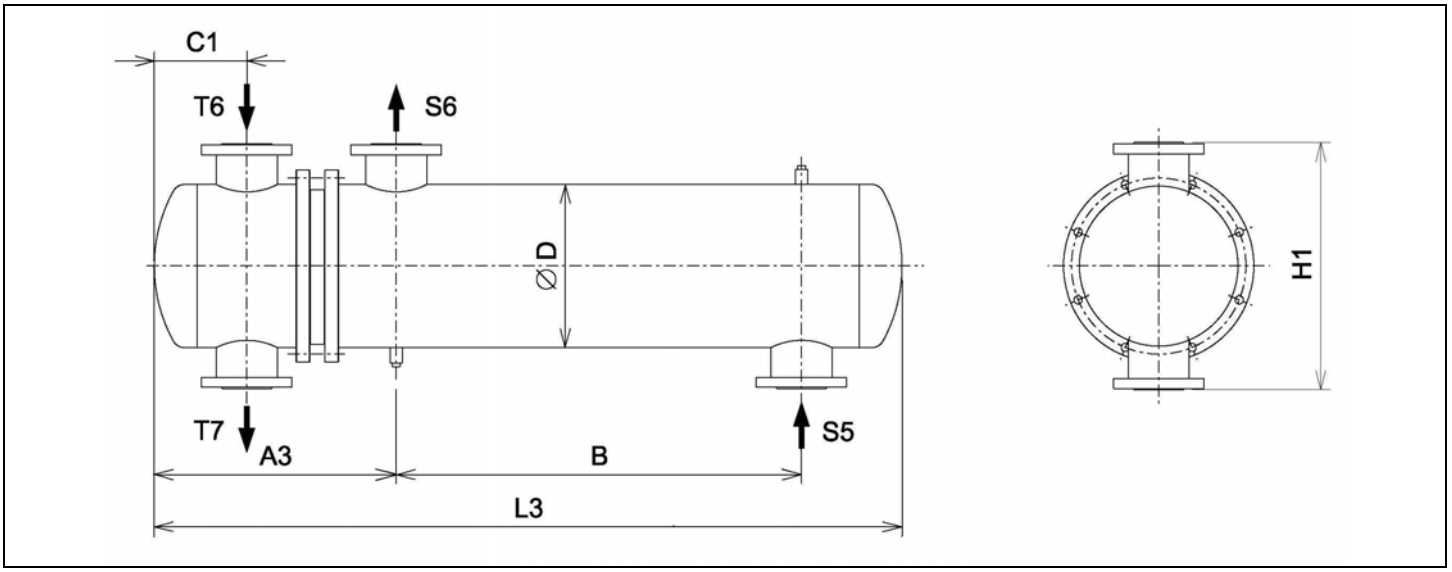
Flanges according to EN 1092-1 (other executions on request)

Size	Mod.	ØD	A2	B	C	H	L2 Carb.	L2 Inox	Head conn. T5 - T6 N° steps 2 - 4	Shell connections S3 - S4	Shell connections S3 - S4 Increase I°	Shell connections S3 - S4 Increase II°	Weight Kg
8	820	457	690	1755	290	690	2889	2890	DN 200 PN 40 (1)	DN 200 PN 16 (2)	DN 250 PN 16 (2)	DN 300 PN16 (2)	718
	822			1955			3089	3090					764
	825			2255			3389	3390					833
	829			2655			3789	3790					925
	832			2955			4089	4090					994
	835			3255			4389	4390					1063
	839			3655			4789	4790					1155
9	920	508	733	1640	310	760	2819	2825	DN 200 PN 40 (1)	DN 200 PN 16 (2)	DN 250 PN 16 (2)	DN 300 PN 16 (2)	910
	923			1940			3119	3125					1005
	925			2140			3319	3325					1070
	928			2440			3619	3625					1165
	931			2740			3919	3925					1260
	936			3240			4419	4425					1420
	941			3740			4919	4925					1580
	947			4340			5519	5525					1770
	952			5840			6019	6025					1930

(1) If the cylindrical head has design pressure P06 - 6 bar @ 350 ° C, the flange connections are PN 16
(2) If the shell has design pressure 16 bar @ 205, the flange connections are PN 40

Models - Dimensions in mm, Connections and Weights in Kg.

Size 2 – 4 – 5 – 6 Model configuration - " P25 "



Flanges according to EN 1092-1 (Other executions on request)

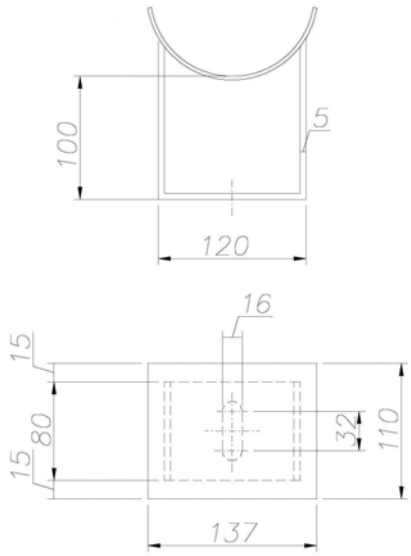
Size	Model	ØD	A3	B	C1	H1	L3	Head conn. T6 – T7 N° Steps 2 - 4	Shell connections S5 – S6	Shell connections S5 – S6 Increase I°	Shell connections S5 – S6 Increase II°	Weight Kg
2	207	168	390	540	135	320	1050	DN 50 PN 40	DN 65 PN 16 (1)	DN 80 PN 16 (1)	DN 100 PN16 (1)	64
	209			740			1250					67
	211			940			1450					70
	213			1140			1650					76
	215			1340			1850					82
	218			1640			2150					92
	220			1840			2350					98
3	309	219	405	718	140	380	1280	DN 65 PN 40	DN 80 PN 16 (1)	DN 100 PN 16 (1)	DN 125 PN16 (1)	97
	311			918			1480					106
	313			1118			1680					115
	315			1318			1880					125
	318			1618			2180					140
	320			1818			2380					150
4	409	273	479	686	164	460	1424	DN 80 PN 40	DN 100 PN 16 (1)	DN 125 PN 16 (1)	DN 150 PN 16 (1)	127
	411			886			1624					140
	413			1086			1824					153
	415			1286			2024					166
	418			1586			2324					186
	420			1786			2524					200
	424			2186			2924					226

(1) If the shell has a design pressure of 16 bar @ 205, the flange connections are PN 40

Pair of saddle supports – Valid for all models - Dimensions in mm and Weight in Kg. Calculation code ASME VIII Div. 1 Ed. 2015

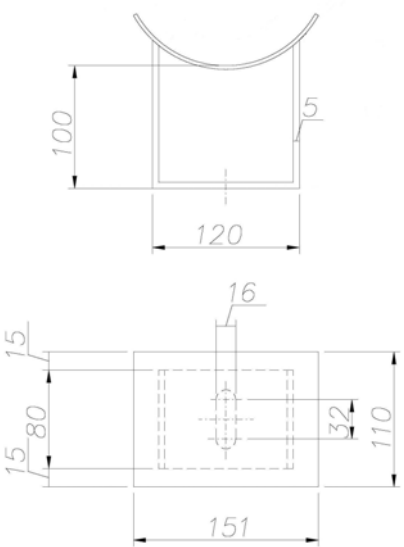
- In accordance with the Ordinance n° 3274 dated 20.03.03 GAZZETTA UFFICIALE DELLA REPUBBLICA ITALIANA
  External environment **EARTHQUAKE seismic zones 1 – 2 – 3 – 4 on the ground of category "A"**
- In conformity to D.M. LL. PP. dated 16 January 1996 and Circ. LL. PP. dated 4 July 1996
  External environment **WIND – areas 1 – 2 – 3 – 4 – 5 – 6 – 7 – 8 Class A–B–C–D Category I–II–III–IV–V**

MISURE 1



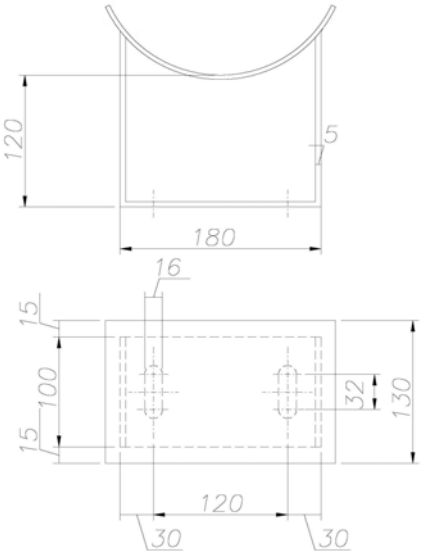
Pair or support weight Kg. 3.4

MISURE 2



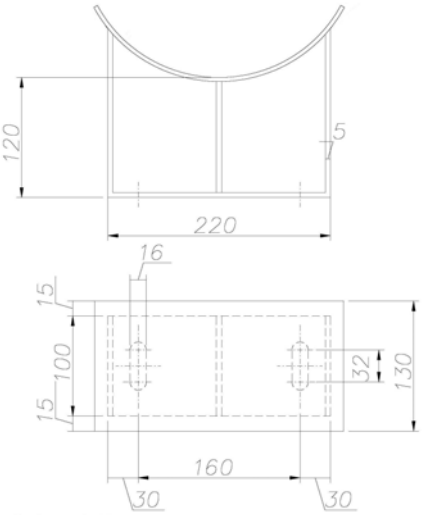
Pair or support weight Kg. 3.2

MISURE 3



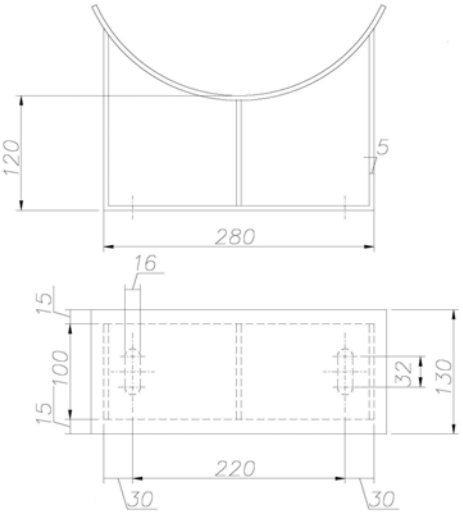
Pair or support weight Kg. 6

MISURE 4



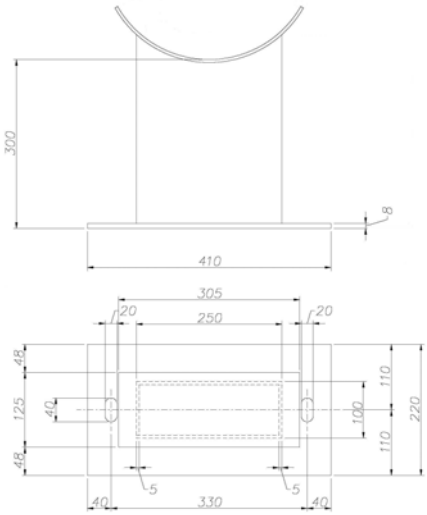
Pair or support weight Kg. 7.7

MISURE 5



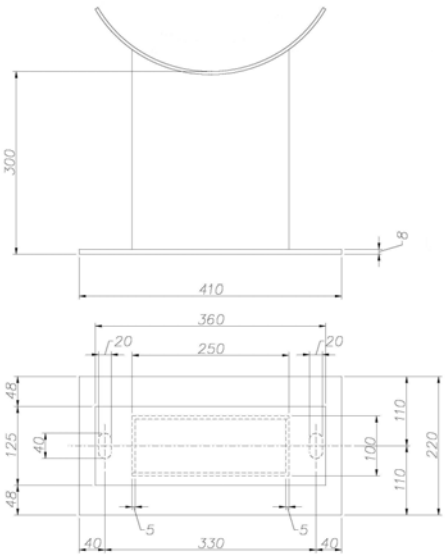
Pair or support weight Kg. 10

MISURE 6



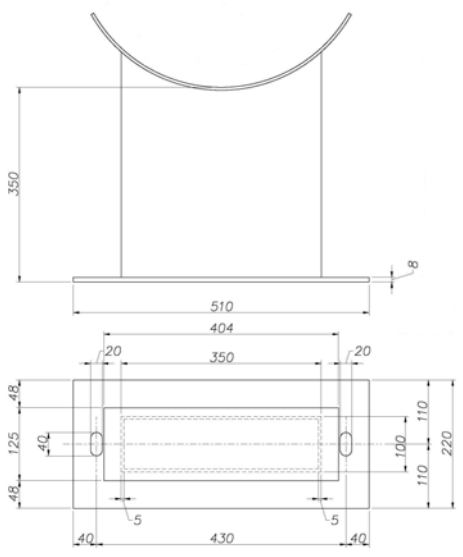
Pair or support weight Kg. 33.2

MISURE 7



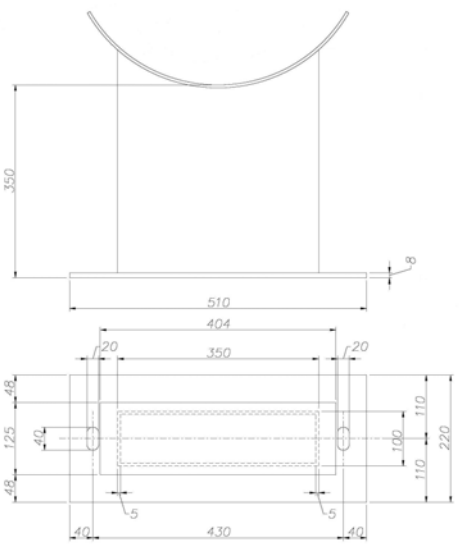
Pair or support weight Kg. 33.6

MISURE 8



Pair or support weight Kg. 47.7

MISURE 9



Pair or support weight Kg. 48.2

SKID solutions – ASSEMBLY with PED 2014/68/UE conformity

The preassembled “skid” units – “assembly” are complete units, integrated with control panel.
They are conform to PED 2014/68/UE with Declaration of Conformity Assemblie CAT. IV CE marked with Notified Body number, exempt from commissioning audit according to art.5 del D.M. 1 December 2004 n° 329.
They are used for hot water and superheated water production, with primary heat transfer fluid: thermal oil – Superheated water – Steam.

Main characteristics :

• ***BASEMENT***	*Carbon steel U profile RAL 6011 painted – UNP 240 x 80 RAL 6011 painted – Palletized and with eyebolts*
• ***ELECTRICAL CONTROL PANEL***	*Electrical control panel RAL 7032 painted or st. steel AISI 304, with Siemens PLC or electromechanical*
• ***CONNECTIONS***	*Electric or pneumatic to pneumatic valves and to the other equipments*
• ***INSULATION***	*Heat exchanger – Pipelines except the valves, with rock wool th.50 mm density 100 Kg/dm3 with covering of aluminum sheet 8/10, openings with stainless steel screws*
• ***PIPELINES***	*Carbon steel ASTM A106 gr. B API5L sch. 40 – painted with a coat of rust inhibitor and a coat for high temperature – Carbon steel flanges EN 1092-1 PN16 o PN40 – Carbon steel fittings – Armed graphite gaskets.*
• ***COMPONENTS***	*High quality from CONFLOW SpA products range*