



COUNTERCURRENT HEAT EXCHANGE



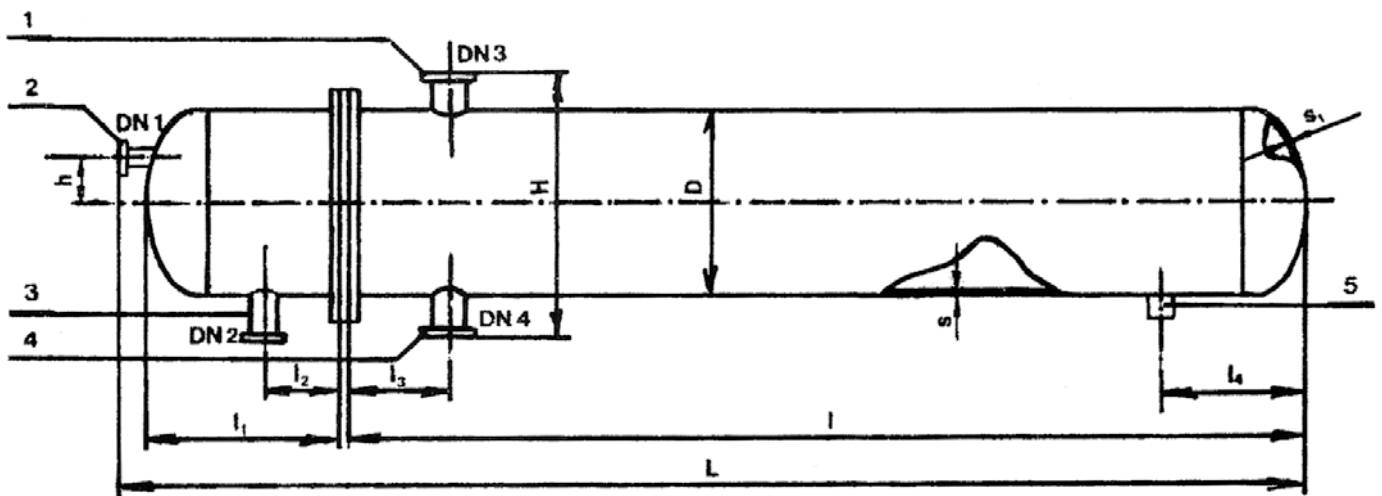
MetaComm

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COUNTERCURRENT HEAT EXCHANGE

Counter-current heat exchangers are widely used in thermotechnics, especially in the installation of central heating in warm and hot water systems. Can be applied in other systems with heating or cooling fluid. The wall is made of welded steel RSt.37-2 or H II. Inside the shell is located beam steel (St.35-4) or copper tube U-shaped or straight (two pipe wall) on ends of rolled and welded into a pipe wall.

Pipe register with the pipe wall can be done without dismantling.



1 - Secondary fluid outlet

2 - Primary fluid inlet

4 - Secondary fluid inlet

3 - Primary fluid outlet

5 - Drain

TYPE	A	D	H	L	l	l ₁	l ₂	l ₃	l ₄	h	DN1	DN2	DN3	DN4
-	m ²	mm	mm	mm	mm	mm	mm	mm	mm	mm	-	-	-	-
1	1	159	359	1404	1045	224	124	164	148	40	40	25	40	40
2	2	219	419	1372	970	266	141	180	180	55	50	32	40	40
3	3	219	419	1822	1420	266	141	196	180	55	50	32	50	50
4	3.5	219	419	2021	1619	266	141	196	180	55	50	32	50	50
5	4	219	419	2211	1869	266	141	196	180	55	50	32	50	50
6	4.5	219	419	2471	2069	266	141	196	180	55	50	32	50	50
7	5	224	524	1444	990	312	157	232	216	81	65	40	65	65
8	5.5	224	524	1540	1086	312	157	232	216	81	65	40	65	65
9	6	32	524	1622	1186	312	157	232	216	81	65	40	65	65
10	7	368	568	1494	1022	326	157	236	225	92	65	40	65	65
11	8	368	568	1633	1156	331	166	256	230	92	80	50	80	80
12	9	419	620	1477	996	338	166	268	235	105	80	50	80	80
13	10	419	620	1580	1102	338	166	268	235	105	80	50	80	80
14	15	470	680	1765	1255	355	180	340	245	117	100	50	100	100
15	20	470	680	2195	1660	380	195	350	260	117	65	65	125	125
16	25	521	740	2195	1634	407	195	352	285	138	125	65	125	125
17	30	559	760	2319	1687	472	217	382	340	140	150	80	150	150
18	40	609	900	2119	1841	518	248	418	370	152	200	100	200	200
19	50	660	900	2611	1898	548	248	428	400	165	200	100	200	200
20	60	660	900	2953	2240	648	248	428	400	165	200	100	200	200
21	70	720	950	2992	2233	589	254	454	435	180	200	100	200	200



Metacomm is 100% privately own company for production of welded structures and vessels made of carbon steel, stainless steel and aluminum alloys. Metacomm was founded in 2005. in order to continue 40 years long experience in production and to maintain market position in the energy sector of Energoinvest, Sarajevo (most famous factory in ex-Yugoslavia). Metacomm did acquire all resources (personnel, equipment, facilities and documentation) from Energoinvest's Factory for Process Equipment in Jajce.

The company owns the area of 30.000 m², 2400 m² of production facilities, warehouses and workshops, and mechanical equipment (equipment for cutting, grooving phases of welding, circular and angular bending, positioners and turners for container assembling, milling machines, drilling machines, lathes for the production of flanges and filter plate, hydro-test up to 40 bar, annealing and ACP for production of cylindrical, welded vessels and equipment under pressure from class 1 to class 4 according to EU Directive: PED 97/23/EC. There is possibility of heat-treatment of products (annealing), and anti-corrosion protection (sand blasting, coating, rubber lining etc).. We are the only company in Bosnia and Herzegovina which produces dish heads through process of incremental deformation in cold condition for cylindrical vessels in the area of a diameter of 800 mm to 4000 mm thickness up to 14 mm for steel of limit of elasticity up to 355 MPa.

We have introduced a system of quality management ISO 9001 and facility certified welders for the execution of welding processes according to EN 3834 (by the TÜV / Munich).

The company employs about 60 workers trained and tested for the production of vessels and pressurized equipment (engineers in the field of engineering calculations and welded construction with certificate from EWE(European welding Engineers) and IWE (International Welding Engineers), certified welders for welding processes: MIG / MAG, TIG / WIG, UP-EPP, REL).

The average processing capacity in the last three years has been approx. 1,500 MT hot rolled steel sheets in the quality of S235JRG to S355J2G3 in vessels/tanks for water, oil and petroleum products, refinery gases, air and other technical gases. We have process about 150 MT/year of stainless steel and aluminum alloys (AlMg) in equipment for the food industry.

The company has established cooperation with certified subcontractors for the services of testing (NDT, UT, RT and methods with destruction of material FMT), and services of hard rubber lining of equipment for aggressive fluids.

Company vision is to become concurrent regarding quality of produced goods, finale treatment, documentations, delivery time and expertise of key personnel to the manufacturers from countries with traditional in industrial production of pressurized process equipment.

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ISO 9001:2000



EN ISO 3834-3



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