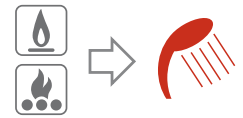


EXTRA1 WRC/WXC OR
HORIZONTAL INSULATED POLYWARM® CALORIFIERS WITH 1 EXTRACTABLE HEAT EXCHANGER



AVAILABLE ON REQUEST STAINLESS
STEEL VERSION

STORAGE		EXCHANGER	
Pmax	Tmax	Pmax	Tmax
8 bar	90°C	12 bar	110°C

For temperature of exchanger > 110°C
see page 102

Technical descriptions

Carbon steel Polywarmcoated horizontal calorifier suitable for drinkable water according to D.M N 174 dated 16 04 04.

Application

Production and Storage of sanitary hot water for domestic and industrial uses.

Insulation

50 mm soft polyester fibre with high Thermal insulation with Thermal conductivity: 0.035 W/mK. Fire resistance class B-s2d0 according to EN 13501.

External lining

PVC red Ral 3000.

Drain pipe

External confluence through jointable pipe.

Heat exchanger:

Stainless Steel 316L or Copper heat exchanger suitable for potable water in accordance with D.M. N° 174 dated 16 04 04.

Cathode protection

Magnesium anode with Anoden-tester which facilitates an easy check of the magnesium bar condition. For capacity > 1500lt n°2 magnesium anode.

Electronic anode on request (see page 75)

Gasket-Flange Plate

- Silicone gaskets suitable for alimentary use for max temperature up to 200°C. (D.M. n.174 dated 2004);
- Flange plate.

Warranty

- 5 years (Polywarm®)

See general sales conditions and warranty.

Datas have been calculated on following basis:

- 1) Primary circuit at 80°C and proper energy source;
- 2) Production of DHW in continue way from 10 to 45°C.
- 3) DHW that can be taken in the fist 10' and in the first hour from storage at 60°C, input 10°C and output 45°C;
- 4) Sanitary water according to UNI CTI 8065.

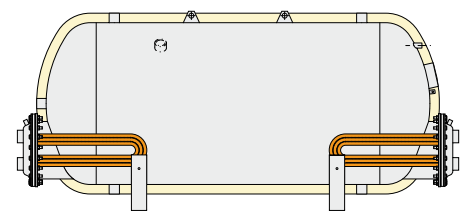
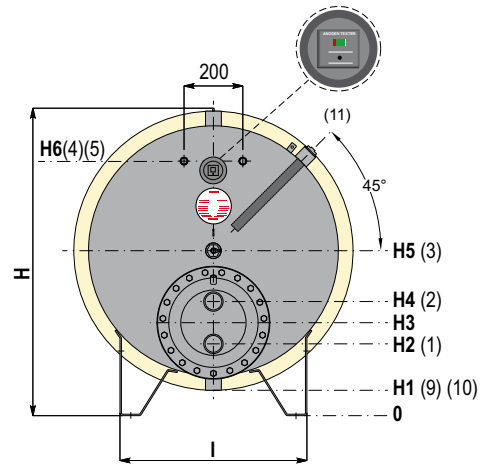
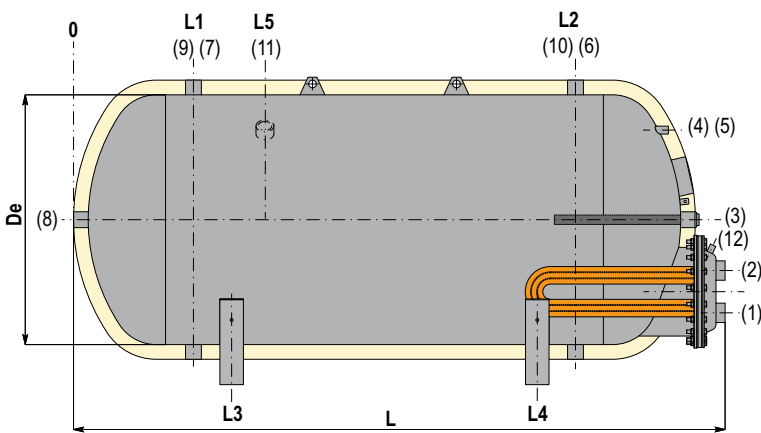
Even if tanks are tested to resist till Max temperature the local legislation has always to be observed during the use.

Capacity	EXTRA1 WRC OR COPPER EXCHANGER		Exchanger Surface
	ART. NR.	[]	
[liters]			[m²]
200			0,5
300			0,75
500			1
800			1,5
1000			2
1500			3
2000			4
3000			5
4000			8
5000			10

Capacity	EXTRA1 WXC OR STAINLESS STEEL EXCHANGER		Exchanger Surface
	ART. NR.	[]	
[liters]			[m²]
200			0,5
300			0,75
500			1
800			1,5
1000			2
1500			3
2000			4
3000			5
4000			8
5000			10

Capacity	Ignition Time	Output	Continous production of DHW	Storage volume	DHW produced in the first 10 Min.	DHW produced in the first hour	Flow rate	Exchanger pressure loss	
								[mm.H2O]	[mbar]
[liters]	[min]	[Kw]	[lt/h]	[lt]	[lt/10']	[lt/60']	[m³/h]		
200	49	18	455	190	347	635	2	309	30,3
300	48	28	701	285	524	968	3	372	36,5
500	60	38	947	480	844	1443	4	419	41,1
800	59	59	1466	740	1301	2230	6	718	70,4
1000	54	86	2127	995	1776	3123	10	1380	135,3
1500	53	133	3290	1490	2677	4761	15	2295	225,1
2000	52	180	4453	1975	3564	6384	20	2996	293,8
3000	65	216	5361	2975	5144	8539	20	2436	238,9
4000	57	330	8168	3890	6918	12092	20	3896	382,1
5000	60	401	9921	4890	8639	14923	20	4707	461,6

CONNECTIONS	
1	Primary Circuit Outlet
2	Primary Circuit Inlet
3	Connection for magnesium anode
4 - 5	Connection for instrumentation 1/2" Gas F
6 - 7	Domestic Hot water outlet
8	Connection for recirculation
9 - 10	Domestic Cold Water Circuit Inlet
11	Connection to 2nd anode 1"1/4 Gas F (available only on >1500 lt)
12	Air Ventil Heat Exchanger 3/8" Gas F



VERSION WITH 2 EXTRACTABLE
HEAT EXCHANGERS AVAILABLE ON REQUEST

Capacity	De	L	H	L1	L2	L3	L4	L5	H1	H2	H3	H4	H5	H6	I	1-2	4-5	3-8	6-7-9-10	11
[liters]	[mm]															CONNECTIONS Gas F				
200	450	1534	601	294	1094	359	1029	-	41	191	241	291	446	446	364	1"	1/2"	1"1/4	1"1/4	-
300	550	1585	760	320	1120	390	1050	-	100	287	337	387	555	619	419	1"	1/2"	1"1/4	1"1/4	-
500	650	1874	855	345	1395	440	1300	-	95	332	382	432	600	664	477	1"	1/2"	1"1/4	1"1/4	-
800	750	2191	951	375	1675	505	1545	-	91	297	387	477	666	766	577	2"	1/2"	1"1/4	1"1/2	-
1000	850	2201	1046	408	1708	538	1578	-	86	226	316	406	561	866	636	2"	1/2"	1"1/2	1"1/2	-
1500	950	2571	1142	424	1974	579	1819	-	72	247	337	427	597	952	760	2"	1/2"	2"	2"	-
2000	1100	2626	1283	470	2020	610	1880	858	63	263	368	473	663	1018	849	2"	1/2"	2"	2"	1"1/4
3000	1250	2956	1524	495	2295	695	2095	945	154	324	429	534	829	1184	981	2"	1/2"	2"	2"	1"1/4
4000	1450	3066	1707	560	2360	665	2255	1010	137	307	412	517	912	1267	1101	2"	1/2"	2"	3"	1"1/4
5000	1600	3107	1845	583	2383	783	2183	1033	125	305	410	515	975	1330	1189	2"	1/2"	2"	3"	1"1/4