

EXTRA3 WRC/WXC VT
INSULATED POLYWARM® CALORIFIERS
WITH 3 EXTRACTABLE HEAT EXCHANGERS



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

For temperature of exchanger > 110°C
 see page 102

Capacity [liters]	EXTRA3 WRC VT COPPER EXCHANGERS		EXTRA3 WXC VT STAINLESS STEEL 316L EXCHANGERS		Heat Exchangers Surface [m²]				Weight [Kg]
	ART. NR.		ART. NR.	Price [€]	Lower	Medio	Upper	Total Surface	
200	3092162350001		3092162360001		0,75	0,5	0,5	1,75	90
300	3092162350002		3092162360002		1	1	0,75	2,75	109
500	3092162350003		3092162360003		1,5	1,5	1	4	144
800	3092162350004		3092162360004		2	2	1	5	212
1000	3092162350005		3092162360005		3	2	1,5	6,5	247
1500	3092162350006		3092162360006		3	3	1,5	7,5	325
2000	3092162350007		3092162360007		4	4	2	10	478
3000	3092162350009		3092162360009		5	5	3	13	608
4000	3092162350010		3092162360010		8	8	4	20	836
5000	3092162350012		3092162360012		10	10	5	25	994

Technical descriptions

Carbon steel Polywarm® coated vertical calorifier suitable for drinkable water according to D.M N 174 dated 16 04 04. The thermal exchanger is ensured by the innovative Heat Exchanger for legionellosis-prophylaxis, with tubes bent to the bottom, reducing legionellosis bacteria's diffusion and improving the heating performance.

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 complete with top and flange cover.

Drain pipe

External confluence through jointable pipe.

Heat exchanger:

- Lower Legionellosis prophylaxis coil
- Stainless Steel 316L or Copper Curved Pipe, suitable for drinking water according to D.M N 174 dated 16 04 04.
- Upper and middle straight coils
- Stainless Steel 316L or Copper Pipe.

Cathode protection

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

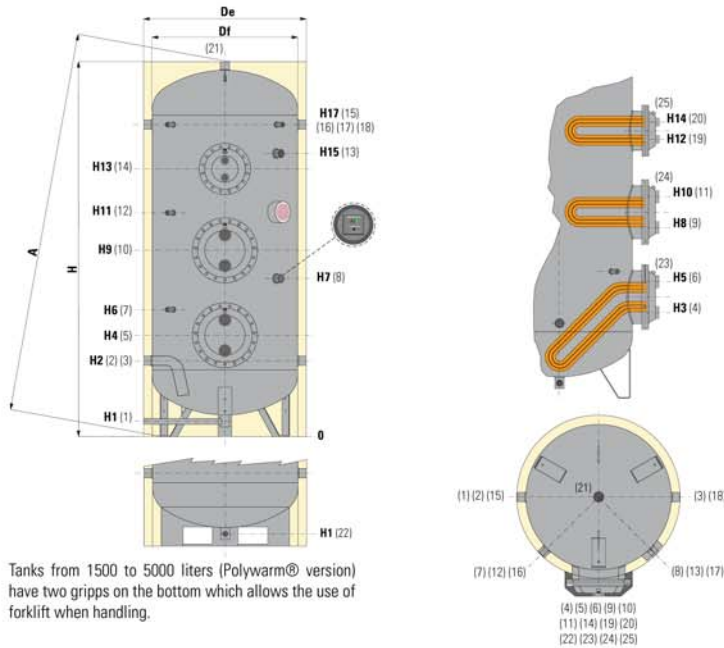
Electronic anode on request (see page 75)

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® - Stainless Steel 316L)
- See general sales conditions and warranty.



Tanks from 1500 to 5000 liters (Polywarm® version) have two grips on the bottom which allows the use of forklift when handling.

CONNECTIONS	
1	Drain 3/4" Gas F (from 200 lt to 1.000 lt)
2	Domestic Cold Water Circuit Inlet
3	Alternative Domestic Cold Water Circuit Inlet or connection for more boilers
4	Primary Circuit Outlet – Lower Exchanger
5	Lower exchanger Flange
6	Primary Circuit Inlet – Lower exchanger
7-12	Connection for thermostat 1/2" Gas F
8	Connection for magnesium anode 1" 1/4 Gas F
9	Primary Circuit Outlet – Middle Exchanger
10	Middle exchanger flange
11	Primary Circuit Inlet – Middle Exchanger
13	Connection to 2nd anode 1" 1/4 Gas F (available only on >1500 lt)
14	Upper Exchanger Flange
15-18	Connection for recirculation or for Domestic Hot water delivery
16-17	Connection for thermometer/thermostat 1/2" Gas F
19	Primary Circuit Outlet – Upper Exchanger
20	Primary Circuit Inlet – Upper Exchanger
21	Domestic Hot water outlet
22	Drain 1" Gas F (only for capacities >1000 lt)
23-24-25	Air Ventil Heat Exchangers 3/8" Gas F

Cap.	Net Volume	Weight	Df	De	H	A	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H17	5-10	14	2-3 15-18	4-6 9-11	19 20	21
[liters]	[liters]	[Kg]																					[mm] Øe	CONNECTIONS Gas F				
200	188	90	450	550	1441	1463	64	316	351	401	451	511	631	701	751	801	861	1061	1111	1161	//	1176	300	300	1"1/4	1"	1"	1"1/4
300	289	109	550	650	1550	1578	123	400	435	485	535	595	715	785	835	885	945	1145	1195	1245	//	1260	300	300	1"1/4	1"	1"	1"1/4
500	497	144	650	750	1841	1873	114	416	451	501	551	611	801	926	976	1026	1086	1351	1401	1451	//	1526	300	300	1"1/4	1"	1"	1"1/4
800	789	212	750	850	2138	2174	101	433	478	568	658	718	898	978	1068	1158	1268	1518	1568	1618	//	1793	380	300	1"1/4	2"	1"	1"1/4
1000	1037	247	850	950	2192	2235	89	454	499	589	679	739	989	1049	1139	1229	1289	1549	1639	1729	//	1814	380	380	1"1/2	2"	2"	1"1/2
1500	1489	325	950	1050	2498	2540	106	493	538	628	718	778	1128	1213	1303	1393	1453	1838	1928	2018	//	2103	380	380	1"1/2	2"	2"	2"
2000	2052	478	1100	1200	2575	2630	93	535	655	760	865	935	909	1230	1335	1440	1505	1795	1885	1975	2000	2125	430	380	2"	2"	2"	2"
3000	2983	608	1250	1350	2919	2982	137	604	724	829	934	1004	1028	1424	1529	1634	1704	2139	2229	2319	2068	2444	430	380	2"	2"	2"	2"
4000	4003	836	1450	1550	2925	3010	112	642	762	867	972	1042	1047	1380	1485	1590	1662	2107	2167	2317	1967	2382	430	430	2"	2"	2"	2"
5000	4935	994	1600	1700	2959	3061	92	646	766	871	976	1046	1051	1466	1571	1676	1746	2076	2181	2286	2271	2396	430	430	2"	2"	2"	2"

For graphics and exchanger pressure loss data see page 94

P.E.D. product planned and produced in conformity to the article 3.3 of directive 92/23/CE