BOL. EXTRA1 WRC VT VAP.

INSULATED POLYWARM® CALORIFIERS WITH 1 STEAM OR HOT WATER HEAT EXCHANGER

POLYWARM®

STORAGE		EXCHANGER	
Pmax	Tmax	Pmax	Tmax
8 bar	90 °C	12 bar	191,6 °C

CE

Capacity	BOL. EXTRA1 WRC VT VAP. COPPER EXCHANGER	
[liters]	ART. NR.	
200	3069162350051	
300	3069162350052	
500	3069162350053	
800	3069162350054	
1000	3069162350055	
1500	3069162350056	
2000	3069162350057	
3000	3069162350058	
4000	3069162350059	
5000	3069162350060	

Technical descriptions
The calorifiers work with the steam produced by the system. They are realized in carbon steel with internal Polywarm® coating, an innovative thermoplastic internal corrosion proofing, composed by resins suitable for drinkable water, according to D.M N 174 dated 16 04 04.

Application
Production and storage of sanitary hot water for civil and industrial use.

Corrosion-proofing
Internal polywarm coating suitable for drinkable water D.L. n. 108 del 25.01.92.
Particularly suitable for solar systems

Insulation
50 mm soft polyurethane foam. Thermal conductivity: 0.038 W/mK.

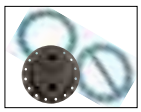
External lining
SCAI RED RAL 3000 complete with upper trims and flange cover.
External confluence through jointable pipe.

Warranty
- 5 years - See general sales conditions and warranty

Heat exchanger
Copper heat exchanger suitable for drinking water in accordance with D.M. N° 174 dated 06.04.04. Full compliance with P.E.D. categories Art. 3.3, Cat I & Cat II suitable for saturated steam.

Cathode protection
Magnesium anode with Anoden-tester which allows to easily check which is the real consumption of the magnesium bar.
Capacity >1500 lt have two magnesium anode.
Electronic anode on request (see page 71)

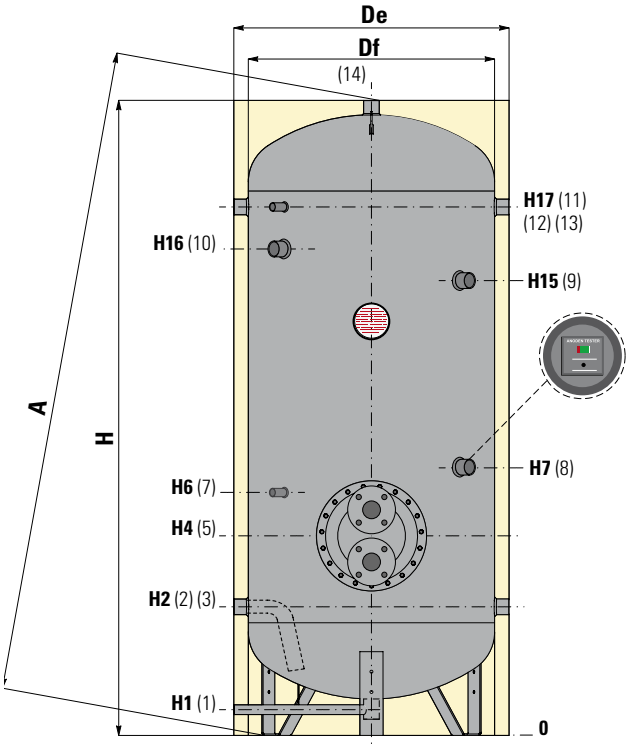
Gasket-Flange Plate
- CEFLEX gum for food use max temperature 192°;
- Corrosion proofing flange cover.



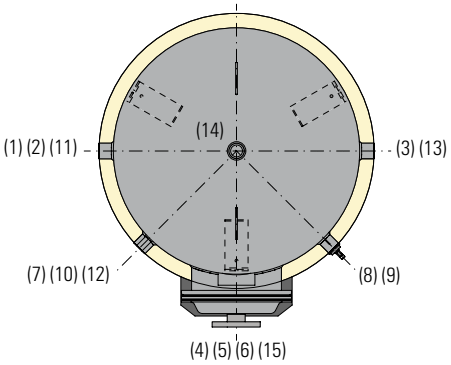
Data have been calculated on primary at saturated steam and production of DHW in continue way from 10° to 45°C with storage at 60°C
Even if tanks are tested to resist from Max temperature from 60°C to 90°C, local laws and regulations should always be respected during their use.

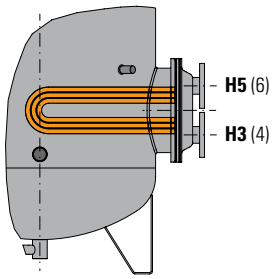
Capacity	Heat Exchangers Surface	Production of DHW			Output	Weight	PED Category
[liters]	[m²]	l/h	l/10 mm	Ignition Time [min]	[KW]	[Kg]	
200	0,5	2209	596	6	92	68	Art. 3.3
300	0,75	3313	894	6	138	83	Art. 3.3
500	1	4418	1306	8	184	106	Cat. I
800	1,5	6627	1959	8	276	168	Cat. I
1000	2	8836	2613	8	368	191	Cat. I
1500	3	13254	3919	8	552	250	Cat. I
2000	3	13254	4489	10	552	367	Cat. I
3000	5	22090	7102	9	920	491	Cat. II
4000	5	22090	8242	12	920	663	Cat. II
5000	5	22090	9382	15	920	793	Cat. II

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

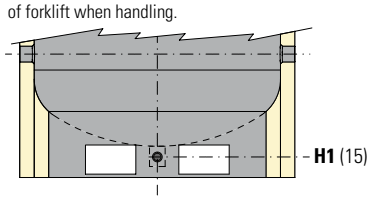


	CONNECTIONS
1	Drain 3/4" Gas F (from 200 lt to 1.000 lt)
2	Domestic Cold Water Circuit Inlet
3	Alternative Domestic Cold Water Circuit Inlet or connection for more boilers
4	Condensate draining system
5	Exchanger flange
6	Steam inlet
7	Connection for thermostat 1/2" Gas F
8	Connection for magnesium anode 1" 1/4 Gas F
9	Connection to 2nd anode 1"1/4 Gas F (available only on >1500 lt)
10	Connection for electrical immersion resistance 1"1/2 Gas F
11-13	Connection for recirculation or for Domestic Hot water delivery
12	Connection for thermometer 1/2" Gas F
14	Domestic Hot water outlet
15	Drain 1" Gas F (only for capacities >1000 lt)





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



Cap.	Weight	Net Volume	Df	De	H	A	H1	H2	H3	H4	H5	H6	H7	H15	H16	H17	5	4-6	2-3 11-13	14
[liters]	[Kg]	[liters]	[mm]														[mm]	[mm]	Connections Gas F	
200	68	188	450	550	1441	1463	64	316	351	401	451	511	751	//	1066	1176	Øe 300	DN25 PN16	1"1/4	1"1/4
300	83	289	550	650	1550	1578	123	400	435	485	535	595	835	//	1150	1260	Øe 300	DN25 PN16	1"1/4	1"1/4
500	106	497	650	750	1841	1873	114	416	451	501	551	611	976	//	1370	1526	Øe 300	DN25 PN16	1"1/4	1"1/4
800	168	789	750	850	2138	2174	101	433	478	568	658	718	1118	//	1638	1793	Øe 380	DN50 PN16	1"1/4	1"1/4
1000	191	1037	850	950	2192	2235	89	454	499	589	679	739	1139	//	1660	1814	Øe 380	DN50 PN16	1"1/2	1"1/2
1500	250	1489	950	1050	2498	2540	106	493	538	628	718	777	1302	//	1947	2102	Øe 380	DN50 PN16	1"1/2	2"
2000	367	2052	1100	1200	2575	2630	93	535	655	760	865	935	909	2000	1945	2125	Øe 430	DN50 PN16	2"	2"
3000	491	2983	1250	1350	2919	2982	137	604	724	829	934	1003	1028	2268	2285	2443	Øe 430	DN50 PN16	2"	2"
4000	663	4003	1450	1550	2925	3010	112	642	762	870	972	1042	1047	2257	2210	2382	Øe 430	DN50 PN16	2"	2"
5000	793	4935	1600	1700	2959	3061	92	646	766	871	976	1046	1051	2271	2241	2396	Øe 430	DN50 PN16	2"	2"