



Capacity [liters]	PUFFER 2 Stratification Buffer ART. NR.	LOWER Heat exchangers surface	UPPER Heat exchangers surface
		[m ²]	[m ²]
800	3251162282004	3,0	2,4
1000	3251162282005	4,0	2,4

Application
Production and Storage of heating hot water. Used to improve flexibility of pellets, stoves and burners.

Technical descriptions
Easy Stratification Buffers are used in units with a typically discontinuous energy source. The buffer tank is connected with the heating system and do not need any coating inside. Made in carbon steel outside painted.

Version with heat exchanger allows use together with a solar installation. In order to take fully advantage of the stratification principles the Easy Stratification Buffers are equipped with a separator plate positioned in the middle that limits the possibility to mix the water between the top and bottom volume.

Material
There is no need of any anti-corrosion treatment due to the fact that the buffer is in a closed circuit without any adding air.

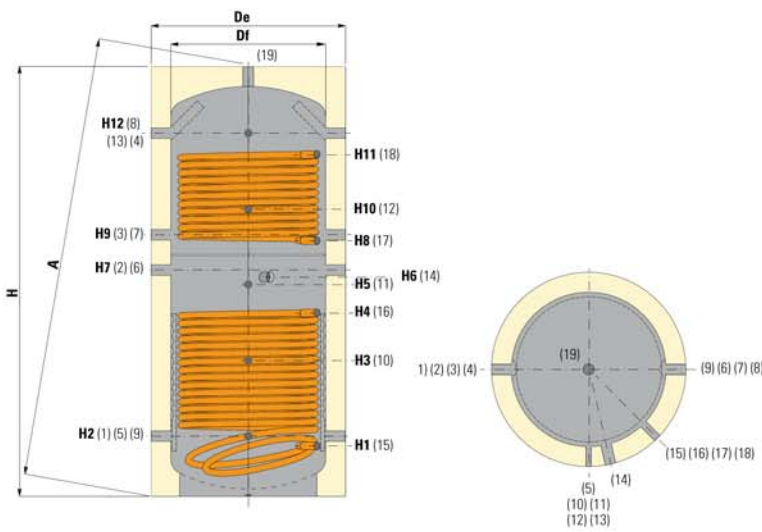
Heat exchanger:
2 Carbon steel fixed coil

Insulation
100 mm soft polyester fibre with high Thermal insulation with Thermal conductivity: 0.035 W/mK. Fire resistance class B-s2d0 according to EN 13501. Grey PVC external lining complete with top cover.

Warranty
-2 years See general sales conditions and warranty.

STORAGE		EXCHANGER	
Pmax	Tmax	Pmax	Tmax
3 bar	99°C	12 bar	110°C

For temperature of exchanger > 110°C see page 102



CONNECTIONS	
1	Heating return/To Generator 1" 1/2 Gas F
2	To Generator 1"1/2 Gas F
3	To Generator 1"1/2 Gas F
4	Heating delivery/From Generator 1" 1/2 Gas F
5	Connection for instrumentation 1/2" Gas F
6	To Generator 1"1/2 Gas F
7	To Generator 1"1/2 Gas F
8	Heating delivery/From Generator 1" 1/2 Gas F
9	Heating return/To Generator 1"1/2 Gas F
10	
11	
12	Connection for instrumentation 1/2" Gas F
13	
14	Connection for electrical integration 1"1/2 Gas F
15	Lower exchanger outlet 1" Gas F
16	Lower exchanger inlet 1" Gas F
17	Upper exchanger outlet 1" Gas F
18	Upper exchanger inlet 1" Gas F
19	Heating delivery/From Generator 1" 1/2 Gas F

Capacity	Df	De	H	A	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12
[liters]	[mm]															
800	790	990	1908	1946	258	308	626	818	943	958	998	1118	1178	1261	1558	1578
1000	790	990	2198	2231	258	308	696	938	1083	1122	1158	1308	1338	1471	1748	1858

POWERS OF FIXED HEAT EXCHANGERS

Thermal output is given in both KW or kcal/h in terms of average temperature difference between primary and secondary circuit, all for a range of primary 3 m³/h. For example, a PUFFER VC SERP. VT of 1000 liters Capacity with a water flow of 3 m³/h at 80 °C inlet and outlet at 70 °C, has on the storage of water an average temperature of 60 °C, the mean difference of temperature will be (80 +70) / 20-60 = 15 °C and therefore you can exchange up to approximately 28 KW.

Output of the lower heat exchangers **PUFFER VC SERP. VT** depending on the average DeltaT between primary and accumulation considering flow rate 3 m³/h from 300 to 2000 lt. and 5 m³/h from 3000 to 5000 lt.

Output of the lower heat exchangers **PUFFER 2 STRATIFICAZIONE** depending on the average DeltaT between primary and accumulation considering flow rate 3 m³/h

