# PUFFER **FIT-FIT1-FIT 2**

## HEATING WATER BUFFER TANK

**APPLICATION**
Production and storage of heating hot water.

**MATERIAL**
Made in mild steel outside painted. 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.

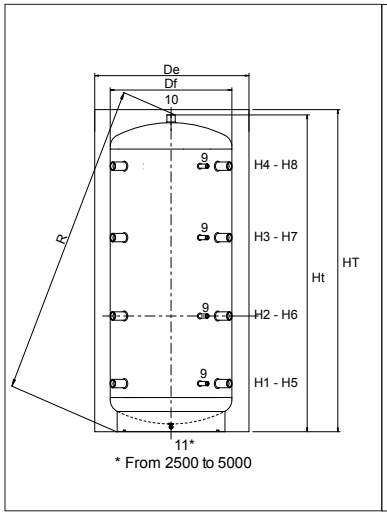
**HEAT EXCHANGER**
The thermal exchange is ensured by 1 or 2 fixed heat exchangers.

**INSULATION**
NOFIRE® 100 mm soft polyester fibre 100% made of recyclable material, with high.Fire resistance class B-s2d0 according to EN 13501.
Grey PVC external lining complete with top cover.

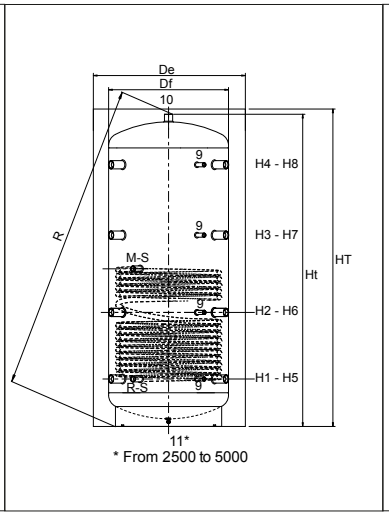
**WARRANTY**
2 years- See general sales conditions and warranty

**TECHNICAL DESCRIPTIONS**
Used to improve flexibility of pellets, stoves and burners. PUFFER 1 are used in units with a typically discontinuous energy source such as biomass boiler and solar thermal system.

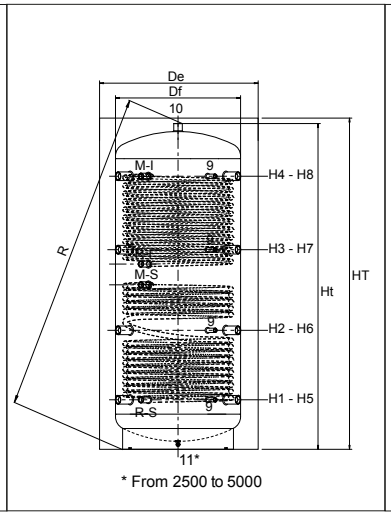
| CONNECTIONS | |
|---|---|
| H1 | To Generator |
| H2 | To Generator/Heating return |
| H3 | Heating delivery/From Generator |
| H4 | Mandata Riscaldamento/ Dal generatore |
| H5 | To Generator |
| H6 | To Generator/Heating return |
| H7 | Heating delivery/From Generator |
| H8 | Heating delivery/From Generator |
| 9 | Connection for instrumentation |
| 10 | Heating delivery |
| 11 | Drain |
| MS | Fixed lower heat exchanger outlet |
| RS | Fixed lower heat exchanger inlet |
| MI | Fixed upper heat exchanger outlet |
| RI | Fixed upper heat exchanger inlet |



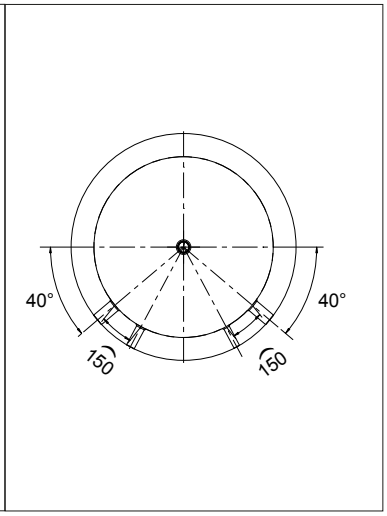
**Puffer FIT**



**FIT1**



**FIT2**



**Top view**

***with feet**

| PUFFER FIT | | | | | | | | | | | | | | | | | | | | SOLAR HEAT EXCHANGER | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model name | H1-H5 ø1"1/2 [mm] | H2-H6 ø1"1/2 [mm] | H3-H7 ø1"1/2 [mm] | H4-H8 ø1"1/2 [mm] | 9 | 10 | 11 | M-S ø1" | R-S ø1" | M-I ø1" | R-I ø1" | Ht (no insulation) [mm] | Ø-Df | Ø-De | HT (with insulation) [mm] | R (with insulation) [mm] | R (no insulation) [mm] | P. Max [bar] | T. Max [°C] | Lower heat exchanger [m²] | Upper heat exchanger [m²] | P. Max [bar] | T. Max [°C] |
| **300** | 220 | 470 | 800 | 1090 | 1/2" | 1"1/2 | - | 660 | 220 | 1090 | - | // | 550 | 650 | 1340 | 1489 | // | 3 | 99 | 1,2 | - | 12 | 110 |
| **500** | 220 | 620 | 1010 | 1390 | 1/2" | 1"1/2 | - | 940 | 220 | 1390 | 1070 | // | 650 | 750 | 1629 | 1793 | // | 3 | 99 | 1,8 | 1,2 | 12 | 110 |
| **600** | 220 | 640 | 1166 | 1640 | 1/2" | 1"1/2 | - | 940 | 220 | 1640 | 1320 | // | 650 | 750 | 1879 | 2023 | // | 3 | 99 | 1,8 | 1,2 | 12 | 110 |
| **800** | 260 | 630 | 1030 | 1430 | 1/2" | 1"1/2 | - | 930 | 260 | 1430 | 1070 | 1690 | 790 | 990 | 1740 | // | 1731 | 3 | 99 | 2,4 | 1,9 | 12 | 110 |
| **900** | 270 | 745 | 1250 | 1670 | 1/2" | 1"1/2 | - | 990 | 270 | 1670 | 1120 | 1940 | 790 | 990 | 1990 | // | 1976 | 3 | 99 | 3,1 | 2,4 | 12 | 110 |
| **1000** | 310 | 745 | 1250 | 1710 | 1/2" | 1"1/2 | - | 1030 | 310 | 1710 | 1160 | 2040 | 790 | 990 | 2090 | // | 2074 | 3 | 99 | 3,1 | 2,4 | 12 | 110 |
| **1250** | 310 | 745 | 1250 | 1695 | 1/2" | 1"1/2 | - | 1015 | 310 | 1695 | 1150 | 2000 | 950 | 1150 | 2050 | // | 2051 | 3 | 99 | 3,2 | 2,4 | 12 | 110 |
| **1500** | 380 | 825 | 1350 | 1760 | 1/2" | 1"1/2 | - | 1180 | 380 | 1760 | 1373 | 2100 | 1000 | 1200 | 2150 | // | 2154 | 3 | 99 | 3,6 | 2,5 | 12 | 110 |
| **2000** | 320 | 900 | 1490 | 1970 | 1/2" | 1"1/2 | - | 1120 | 320 | 1970 | 1270 | 2320 | 1100 | 1300 | 2370 | // | 2379 | 3 | 99 | 3,6 | 3,1 | 12 | 110 |
| **2500** | 535 | 975 | 1415 | 1855 | 1/2" | 1"1/2 | 1" | 1250 | 535 | 1855 | 1405 | 2289 | 1250 | 1450 | 2339 | // | 2383 | 3 | 99 | 4,2 | 3,1 | 12 | 110 |
| **3000** | 535 | 1020 | 1680 | 2330 | 1/2" | 1"1/2 | 1" | 1250 | 535 | 2330 | 1530 | 2789 | 1250 | 1450 | 2839 | // | 2867 | 3 | 99 | 4,2 | 3,1 | 12 | 110 |
| **4000** | 564 | 1110 | 1860 | 2410 | 1/2" | 1"1/2 | 1" | 1544 | 564 | 2410 | 1708 | 2863 | 1400 | 1600 | 2913 | // | 2956 | 3 | 99 | 5,4 | 3,3 | 12 | 110 |
| **5000** | 580 | 1100 | 1810 | 2418 | 1/2" | 1"1/2 | 1" | 1560 | 580 | 2418 | 1718 | 2901 | 1600 | 1800 | 2951 | // | 3011 | 3 | 99 | 6,0 | 3,7 | 12 | 110 |

The model designation does not reflect the exact capacity of the tank

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