PUFFER **FIT-FIT1-FIT 2**

HEATING WATER BUFFER TANK

APPLICATION
Efficient storage of hot water for heating purposes. Used to improve flexibility and responsiveness of discontinuous energy sources.

MATERIAL
Mild steel painted on the outside. No internal anti-corrosion treatment is needed, since the buffer is designed to be installed in a closed loop circuit.

HEAT EXCHANGER
Integrative thermal exchange can be ensured by 1 or 2 fixed heat exchangers.

INSULATION
- HARD: High thermal insulation with ecological polyurethane hard foam (up to model 600)
- SOFT: NOFIRE· high thermal insulation polyester fleece, 100% recyclable material, fire resistance class B-s2d0 -EN 13501 (from model 800)
- Grey PVC external lining

WARRANTY
2 years - See general sales conditions and warranty

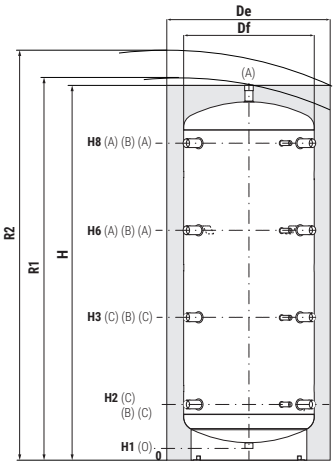
TECHNICAL INFORMATIONS
PUFFERS are used in heating systems with low water content or discontinuous energy sources, such as biomass stoves, heat pumps, solar thermal or other energy sources.

CONNECTIONS

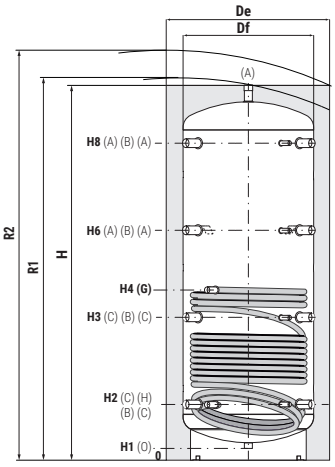
A	From Generator/Heating return 1" 1/2
B	Probe 1/2"
C	To Generator /Heating delivery 1" 1/2
G	Fixed heat exchanger inlet 1"
H	Fixed heat exchanger outlet 1"
O	Drain 1" (only for models >2000)

STORAGE		HEAT EXCHANGERS	
Pmax	Tmax	Pmax	Tmax
3 bar	99 °C	12 bar	110 °C

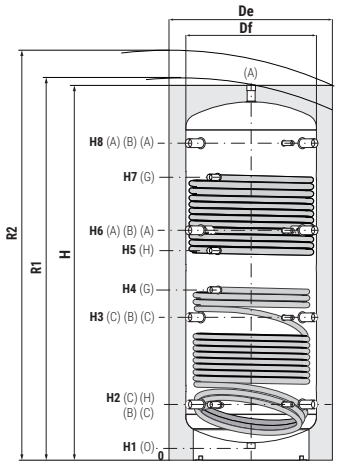
PUFFER FIT



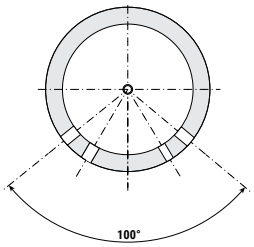
PUFFER FIT1

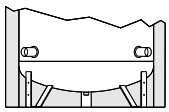


PUFFER FIT2



Top view





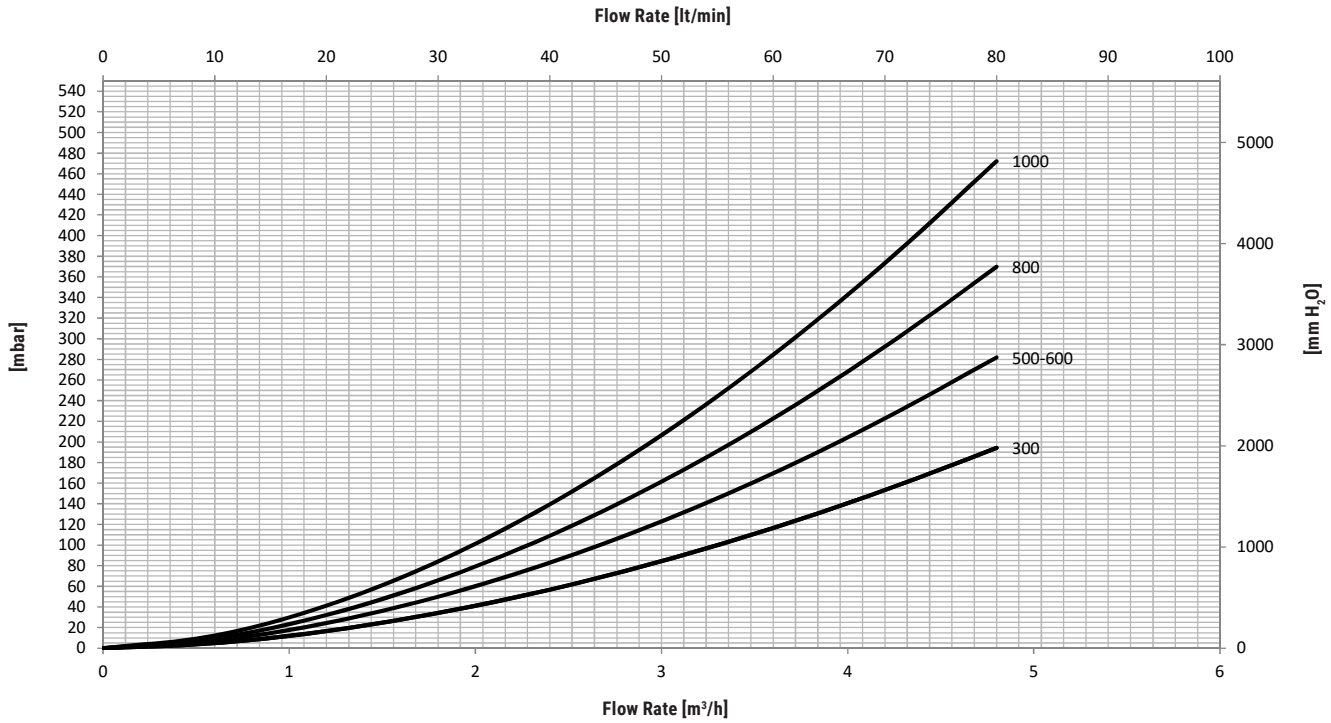
Available feet only for models from 200 to 600

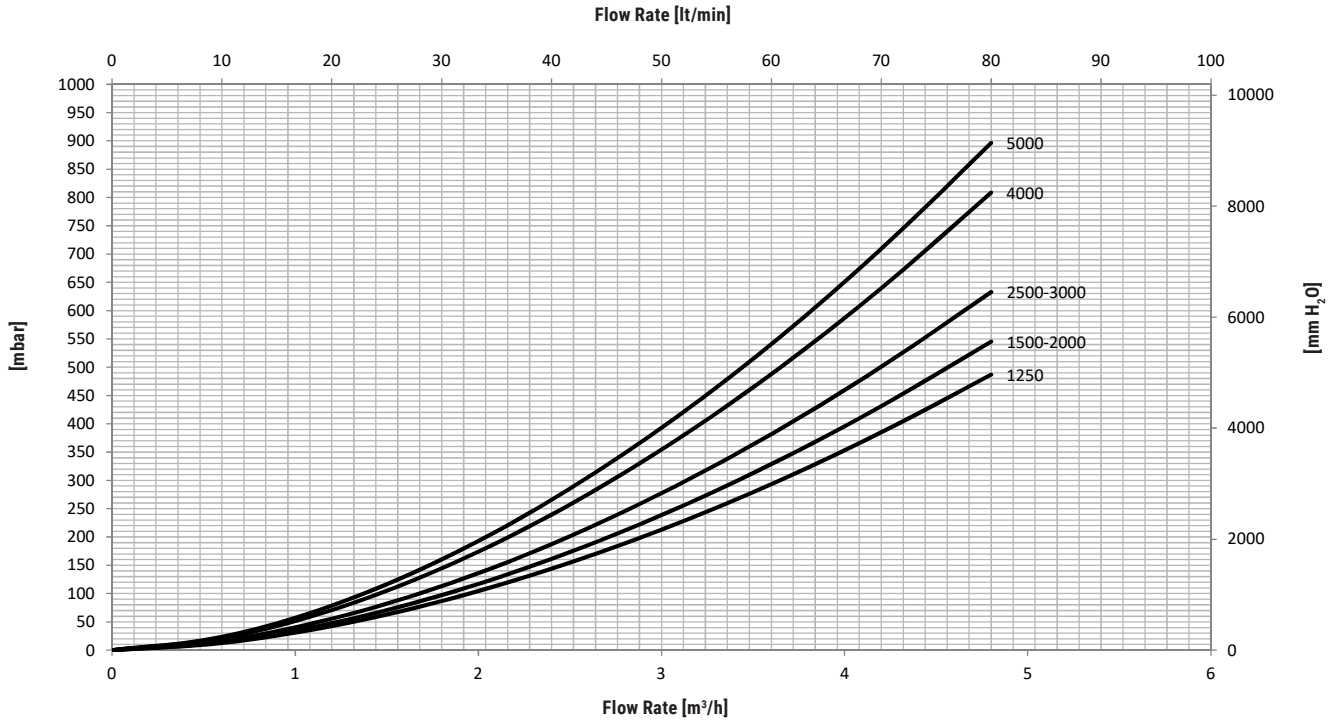
PUFFER FIT - PUFFER FIT 1 - PUFFER FIT 2

	Model name	Volume	Weight - PUFFER FIT	Weight - PUFFER FIT 1	Weight - PUFFER FIT 2	Df	De	H	R1	R2	H1	H2	H3	H4	H5	H6	H7	H8	SOLAR HEAT EXCHANGERS Lower heat exchanger [m²]	SOLAR HEAT EXCHANGERS Upper heat exchanger [m²]	ENERGY EFFICIENCY CLASS
HARD INSULATION	**200**	180	39	-	-	-	550	1298	-	1420	-	206	456	-	-	786	-	1076	-	-	B
	300	279	48	62	-	-	650	1340	-	1489	-	220	470	-	-	800	-	1090	1,2	-	C
	500	478	67	88	102	-	750	1629	-	1793	-	220	620	940	1070	1010	1390	1390	1,8	1,2	C
	600	560	79	100	115	-	750	1879	-	2023	-	220	640	940	1320	1166	1640	1640	1,8	1,2	C
SOFT INSULATION	**800**	718	91	120	142	790	990	1740	1731	2017	-	260	630	930	1070	1030	1430	1430	2,4	1,9	C
	1000	910	106	143	171	790	990	2090	2074	2326	-	310	745	1030	1160	1250	1710	1710	3,1	2,4	C
	1000C	1000	137	-	-	850	1050	2010	2010	2275	-	310	750	-	-	1190	-	1630	-	-	C
	1250	1260	165	203	231	950	1150	2050	2051	2551	-	310	745	1015	1150	1250	1695	1695	3,2	2,4	C
	1500	1422	185	228	257	1000	1200	2150	2154	2497	-	380	825	1180	1373	1350	1760	1760	3,6	2,5	C
	2000	1973	222	264	301	1100	1300	2370	2379	2737	-	320	900	1120	1270	1490	1970	1970	3,6	3,1	C
	2500	2307	239	289	325	1250	1450	2339	2383	2757	144	535	975	1250	1405	1415	1855	1855	4,2	3,1	
	3000	2915	281	331	367	1250	1450	2839	2867	3193	144	535	1020	1250	1530	1680	2330	2330	4,2	3,1	
	4000	3762	359	423	462	1400	1600	2913	2956	3328	128	564	1110	1544	1708	1860	2410	2410	5,4	3,3	
	5000	4985	421	492	535	1600	1800	2951	3011	3462	105	580	1100	1560	1718	1810	2418	2418	6,0	3,7	

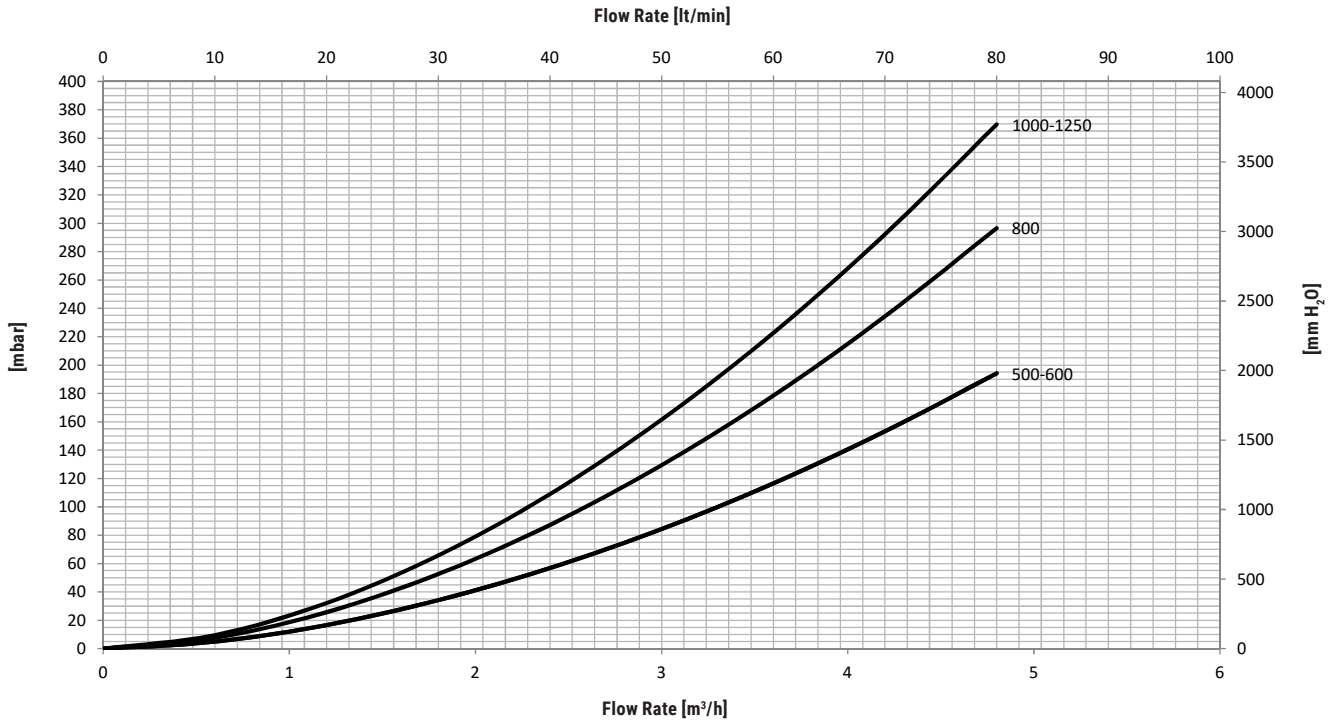
The model designation does not reflect the exact capacity of the tank

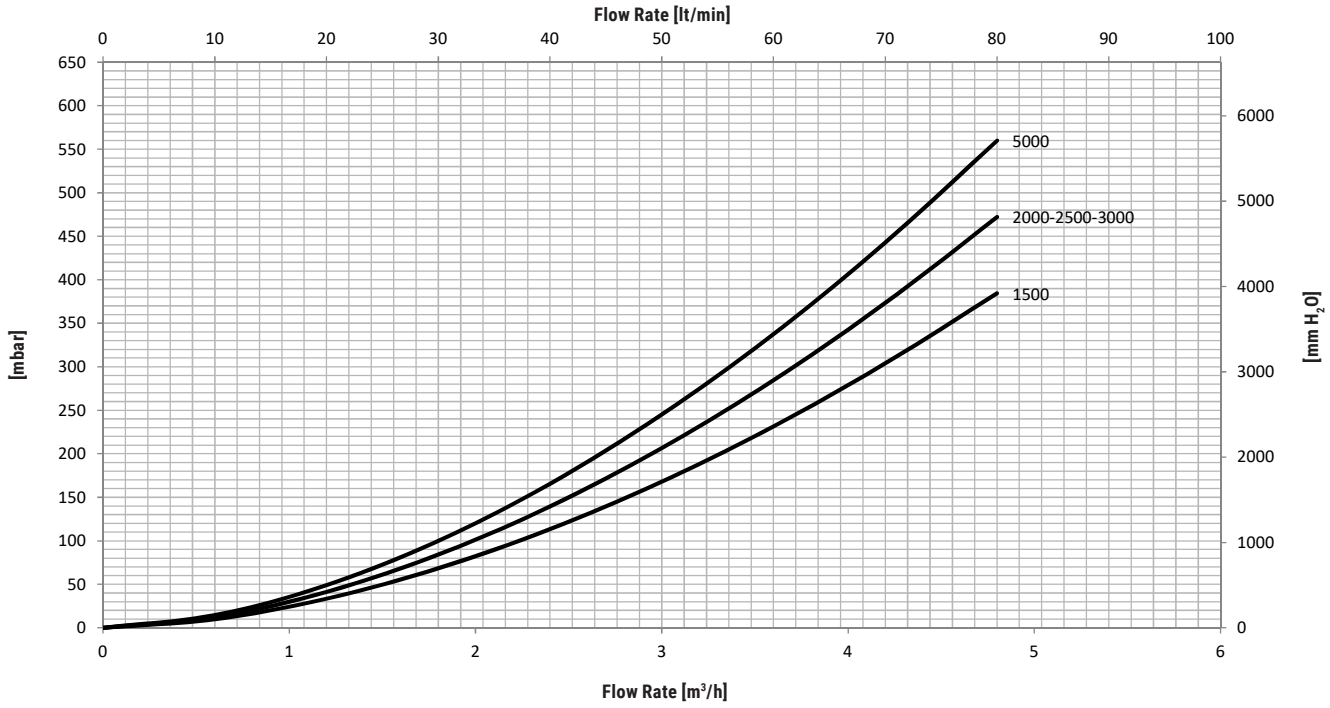
PRESSURE LOSS **LOWER** FIXED HEAT EXCHANGER





PRESSURE LOSS **UPPER** FIXED HEAT EXCHANGER

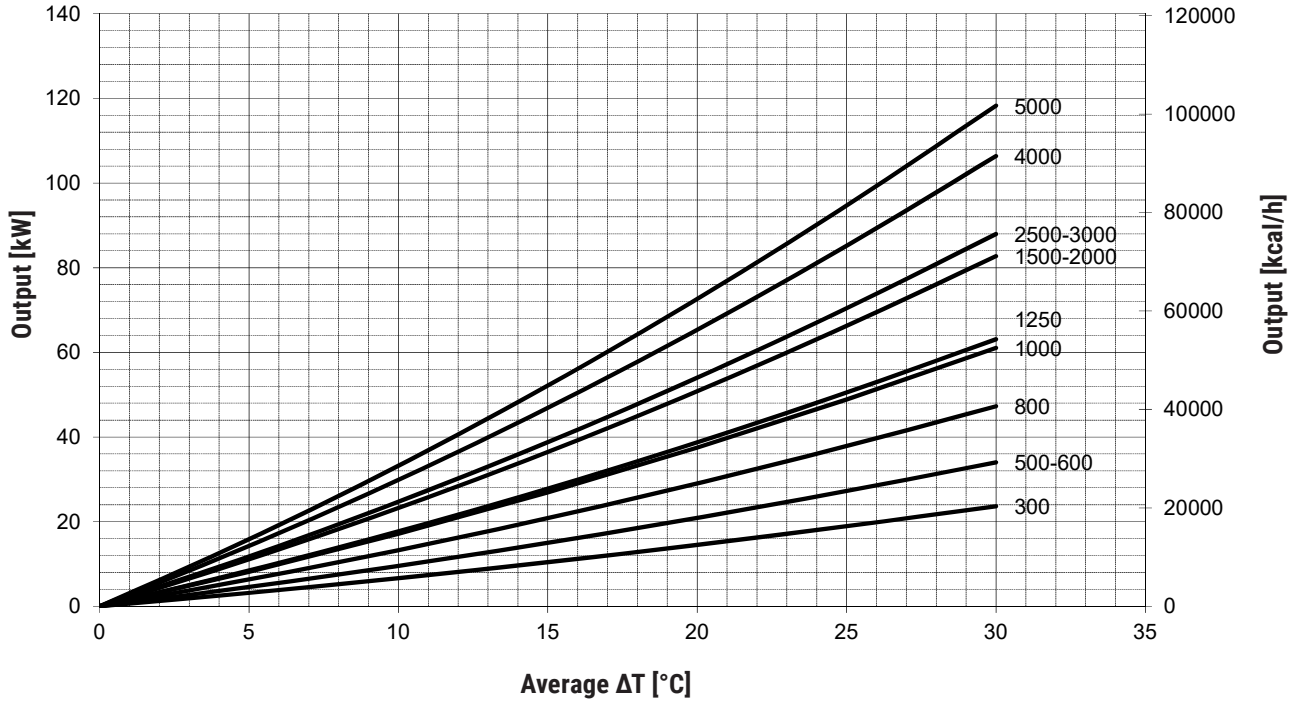




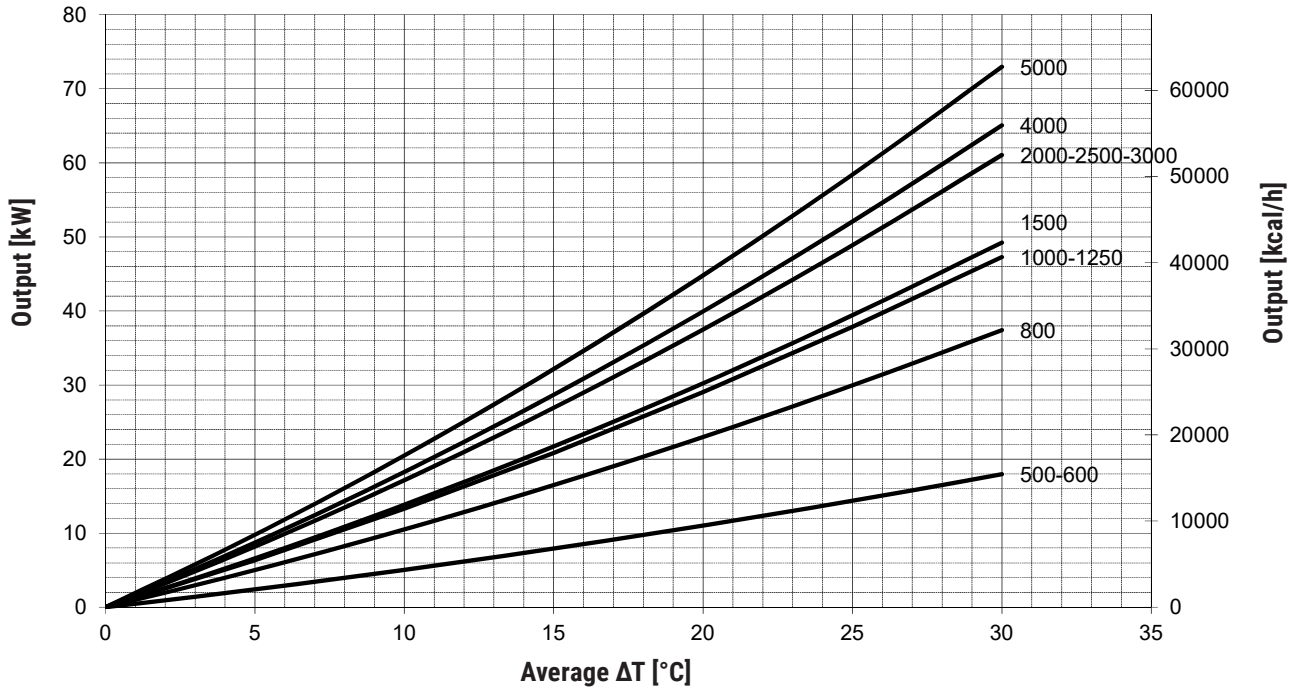
HEAT EXCHANGER THERMAL OUTPUT CHART

Thermal output is given both in kW and kcal/h on the basis of the difference between primary and secondary circuit average temperature. Primary flow rate estimated at 3 m3/h.

LOWER FIXED HEAT EXCHANGER



UPPER FIXED HEAT EXCHANGER



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