



*Efficiency and reliability, every day!*

**FORCED CIRCULATION TANKS FOR HEAT PUMP**

**160 - 1000Lt**



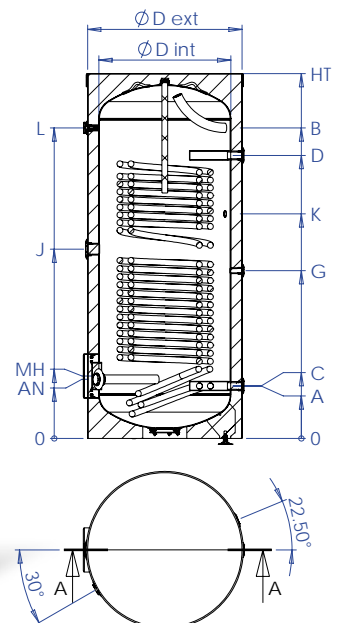
*The solution  
for big installations*

MODEL		160lt Ø600	200lt Ø600	300lt Ø600	400lt Ø700	500lt Ø700	800lt Ø990	1000lt Ø990
Capacity	Lt	150	181	276	368	429	750	933
Net weight	kg	87	105	151	179	211	277	342
Insulation	mm	50	50	50	50	50	70	70
Heat exchanger surface C1	m <sup>2</sup>	1,80	2,62	3,77	4,76	6,00	6,55	8,20
Heat exchanger capacity C1	Lt	9	13	18	23	29	43	54
Heat Exchanger output (60-80°C) C1	kW	43	63	90	114	144	157	197
Heat Exchanger Continuous Flow Rate (60-80°C) C1	l/h	1059	1545	2223	2807	3538	3803	4830
Heat losses ΔT 45K	kW/24h	1,4	1,5	1,7	2,2	2,5	3,2	3,5
Energy efficiency class		B	B	B	C	C	C	C
Heat Exchanger Pressure drop C1	mbar	28	56	117	210	332	424	612
Maximum operational temperature	°C	95	95	95	95	95	95	95
Rated pressure	bar	10	10	10	10	10	8	8
Rated pressure of the heat exchanger	bar	6	6	6	6	6	6	6

MODEL			160lt Ø600	200lt Ø600	300lt Ø600	400lt Ø700	500lt Ø700	800lt Ø990	1000lt Ø990
External diameter	D ext	mm	600	600	600	700	700	990	990
Internal diameter	D int	mm	500	500	500	600	600	850	850
Height	HT	mm	1035	1230	1760	1655	1900	1770	2100
Manhole	MH	mm	287	287	287	283	283	459	459
Anode	AN	mm	272	272	272	268	268	411	411
Cold water inlet	A	mm	242	242	242	238	238	331	331
Hot water outlet	B	mm	787	982	1512	1408	1658	1372	1727
Lower HE outlet	C	mm	242	242	242	238	238	331	331
Lower HE inlet	D	mm	787	982	1222	1283	1488	1206	1361
Upper HE outlet	E	mm	-	-	-	-	-	-	-
Upper HE inlet	F	mm	-	-	-	-	-	-	-
Sensor pocket 1	G	mm	515	612	732	761	863	769	846
Sensor pocket 2	H	mm	-	-	-	-	-	-	-
Heating element	J	mm	557	694	1012	858	993	994	1154
Recirculation	K	mm	602	735	1088	1018	1184	1025	1262
Thermometer	L	mm	787	982	1512	1408	1658	1372	1727

NOTE: Dimensional tolerance ±10mm

		160lt-500lt	800lt-1000lt
Height	HT		
External Diameter	D ext		
Internal Diameter	D int		
Manhole	MH	Ø180	Ø300
Cold water inlet	A	F 1"	F 1 1/2"
Hot water outlet	B	F 1"	F 1 1/2"
Lower HE Outlet	C	F 1"	F 1 1/2"
Lower HE Inlet	D	F 1"	F 1 1/2"
Sensor pocket 1	G	F 1/2"	F 1/2"
Heating element	J	F 1 1/2"	F 1 1/2"
Recirculation	K	F 3/4"	F 3/4"
Thermometer	L	F 1/2"	F 1/2"

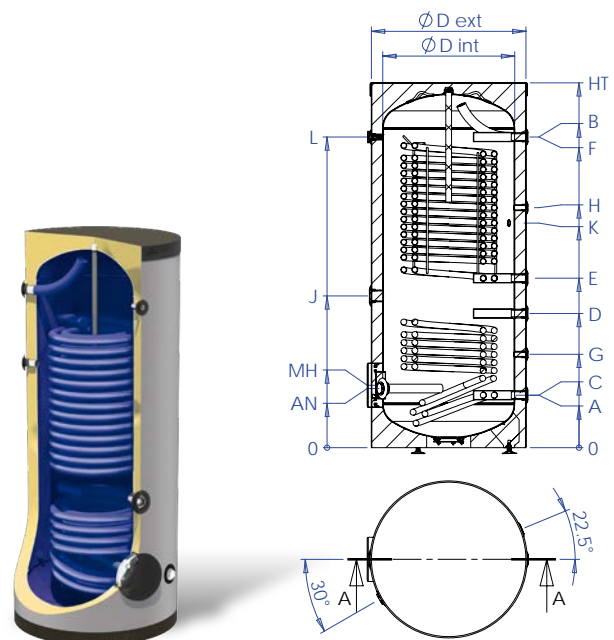


MODEL		200lt Ø600	300lt Ø600	400lt Ø700	500lt Ø700	800lt Ø990	1000lt Ø990
Capacity	Lt	184	272	369	431	746	919
Net Weight	kg	102	164	177	212	294	346
Insulation	mm	50	50	50	50	70	70
Heat Exchanger surface C1	m <sup>2</sup>	0,64	1,14	1,51	1,51	2,44	3,66
Heat Exchanger surface C2	m <sup>2</sup>	1,65	3,12	3,06	4,21	4,54	6,18
Heat Exchanger capacity C1	Lt	3	6	7	7	16	24
Heat Exchanger capacity C2	Lt	8	15	15	21	30	40
Heat Exchanger output (60-80°C) C1	kW	15	27	36	36	59	88
Heat Exchanger output (60-80°C) C2	kW	40	75	73	101	109	148
Heat Exchanger Continuous Flow Rate (60-80°C) C1	l/h	377	672	890	890	1439	2158
Heat Exchanger Continuous Flow Rate (60-80°C) C2	l/h	973	1840	1805	2483	2677	3644
Heat losses ΔT 45K	kW/24h	1,5	1,7	2,2	2,5	3,2	3,5
Energy efficiency class		B	B	C	C	C	C
Heat Exchanger Pressure drop C1	mbar	9	23	62	62	86	187
Heat Exchanger Pressure drop C2	mbar	44	96	154	229	262	495
Maximum operational temperature	°C	95	95	95	95	95	95
Rated pressure	bar	10	10	10	10	8	8
Rated pressure of the heat exchanger	bar	6	6	6	6	6	6

MODEL			200lt Ø600	300lt Ø600	400lt Ø700	500lt Ø700	800lt Ø990	1000lt Ø990
External Diameter	D ext	mm	600	600	700	700	990	990
Internal Diameter	D int	mm	500	500	600	600	850	850
Height	HT	mm	1230	1760	1655	1900	1770	2100
Manhole	MH	mm	287	287	283	283	459	459
Anode	AN	mm	272	272	268	268	411	411
Cold water inlet	A	mm	242	242	238	238	331	331
Hot water outlet	B	mm	982	1512	1408	1658	1372	1727
Lower HE outlet	C	mm	242	242	238	238	331	331
Lower HE inlet	D	mm	462	582	608	608	661	811
Upper HE outlet	E	mm	562	742	768	738	802	977
Upper HE inlet	F	mm	982	1492	1408	1658	1372	1727
Sensor pocket 1	G	mm	352	412	423	423	496	571
Sensor pocket 2	H	mm	772	1117	1088	1198	1087	1352
Heating element	J	mm	512	662	688	673	732	894
Recirculation	K	mm	735	1088	1018	1184	1025	1262
Thermometer	L	mm	982	1512	1408	1658	1372	1727

NOTE: Dimensional tolerance ±10mm

		160lt-500lt	800lt-1000lt
Height		HT	
External dimensions		D ext	
Internal dimensions		D int	
Manhole	MH	Ø180	Ø300
Cold water Inlet	A	F 1"	F 1 1/2"
Hot water Outlet	B	F 1"	F 1 1/2"
Lower HE outlet	C	F 1"	F 1 1/2"
Lower HE inlet	D	F 1"	F 1 1/2"
Upper HE outlet	E	F 1"	F 1 1/2"
Upper HE Inlet	F	F 1"	F 1 1/2"
Sensor pocket 1	G	F 1/2"	F 1/2"
Sensor pocket 2	H	F 1/2"	F 1/2"
Heating element	J	F 1 1/2"	F 1 1/2"
Recirculation	K	F 3/4"	F 3/4"
Thermometer	L	F 1/2"	F 1/2"



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## FORCED CIRCULATION TANKS FOR HEAT PUMP

160 - 1000Lt

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