

# BUFFER STORAGE TANKS

**The energy store for buffer storage heating systems.** Buffer storage tanks compensate for the differences between the times when energy is generated and when there is an actual energy demand, thereby ensuring efficient heating energy use.

The **PT...CF** models include an internal heat exchanger for the direct connection of heat generator equipment, and a flexible stainless steel heat exchanger with 500 to 1000 litres capacity for domestic hot water production.

The **AQ PT** models of 500 to 2000 litres capacity are available both without, and with single or double heat exchanger. The double heat exchanger versions allow greater flexibility when used with heat generator equipment.

The storage tanks have thermal insulation, which can be installed on site for volumes of at least 500 litres. This solution makes it easier to transport and install the tanks.

**The PT HC models serve as the energy storage for heating and cooling systems.** They are recommended primarily for heat pump systems. The buffer tank consists of a steel tank, polyurethane foam insulation, and plastic housing and lid. They are available in 100 and 200 litre empty design.





HEAT STORAGE FOR  
HOT WATER BASED CLO-  
SED OR OPEN HEATING  
SYSTEMS



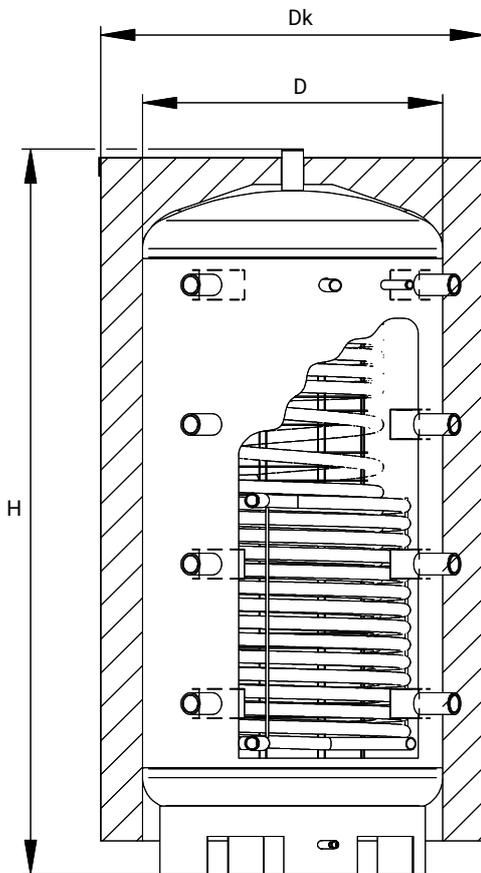
DISCHARGE  
OUTLET



POSSIBILITY FOR  
INTEGRATION IN SOLAR  
SYSTEMS

## BUFFER STORAGE TANKS

### PT...CF ErP



\*3 year full

\*For more information about  
the products and warranty terms,  
please visit [www.hajdurt.hu](http://www.hajdurt.hu)

TYPE		PT300 ErP	PT500CF ErP	PT750CF ErP	PT1000CF ErP
Rated volume	[litre]	300	500	750	1000
Height H	[mm]	1535	1890	1920	2320
Diameter (without insulation) D	[mm]	-	650	790	
Diameter (with insulation) Dk	[mm]	660	870	1010	
<b>Maximum operating pressure</b>					
- tank	[MPa]	0,6		0,5	
- solar exchanger	[MPa]	-		0,6	
- DHW pipe	[MPa]	-		1	
Water connection				Rp6/4	
Electric heating element connection				Rp6/4	
Sensor connections				Rp1/2	
DHW connections		-		G1"	
Heat exchanger surface	[m <sup>2</sup> ]	-	2,2	2,8	
DHW exchanger surface	[m <sup>2</sup> ]	-		6,8	
Weight (with insulation)	[kg]	87	142	172	177
Heat loss	[W]	86	78	92	98
Energy efficiency class		C	B	B	B

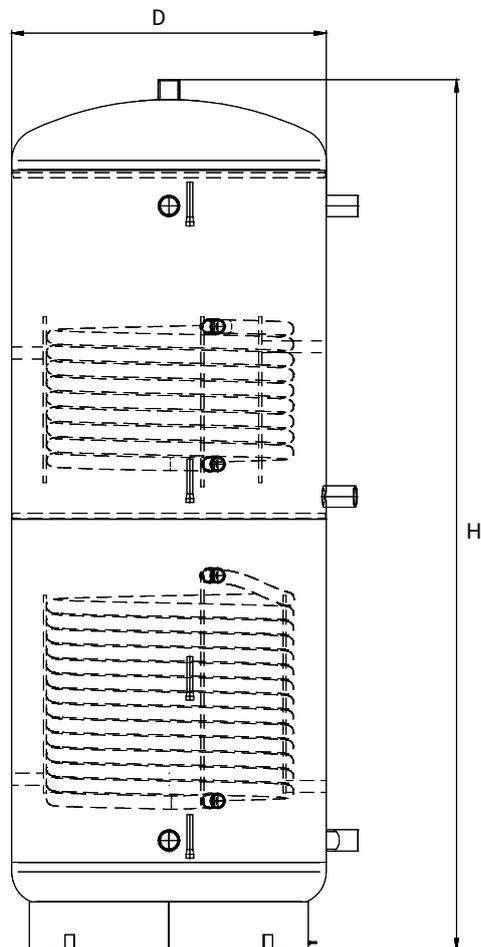


HEAT STORAGE FOR HOT  
WATER BASED CLOSED OR  
OPEN HEATING SYSTEMS



POSSIBILITY FOR  
INTEGRATION IN SOLAR  
SYSTEMS

## AQ PT6.2... ErP



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TYPE		AQ PT6.2 500 ErP	AQ PT6.2 750 ErP	AQ PT6.2 1000 ErP	AQ PT6 1500 ErP	AQ PT6 2000 ErP	AQ PT6.2 500C ErP	AQ PT6.2 750C ErP	AQ PT6.2 1000C ErP	AQ PT6 1500C ErP	AQ PT6 2000C ErP	AQ PT6.2 500C2 ErP	AQ PT6.2 750C2 ErP	AQ PT6.2 1000C2 ErP	AQ PT6 1500C2 ErP	AQ PT6 2000C2 ErP	
Rated volume	[litre]	500	750	1000	1500	2000	500	750	1000	1500	2000	500	750	1000	1500	2000	
Height (with insulation) H	[mm]	1670	1860	2200	2190	2202	1670	1860	2200	2190	2202	1670	1860	2200	2190	2202	
Diameter (without insulation) D	[mm]	650	790	1000	1150	1350	650	790	1000	1150	1350	650	790	1000	1150	1350	
Diameter (with insulation) Dk	[mm]	850	990	1200	1350	1500	850	990	1200	1350	1500	850	990	1200	1350	1500	
<b>Maximum operating pressure</b>																	
- tank	[MPa]	0,3															
- lower heat exchanger	[MPa]	-					0,6						-				
- upper heat exchanger	[MPa]	-					-						0,6				
Water connection		Rp6/4															
Electric heating element connection		Rp6/4															
Sensor connections		outer pocket tube															
Exchanger connection		-					Rp1										
Lower exchanger surface	[m <sup>2</sup> ]	-					1,7	2,9	3	3,6	4,2	1,7	2,9	3	3,6	4,2	
Upper exchanger surface	[m <sup>2</sup> ]	-					-						1	1,8	2	2,4	2,8
Weight (without insulation)	[kg]	66	90	104	182	211	92	126	144	233	274	103	154	169	266	329	
Heat loss	[W]	114	132	145	170	190	114	132	145	170	190	114	132	145	170	190	
Energy efficiency class		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	



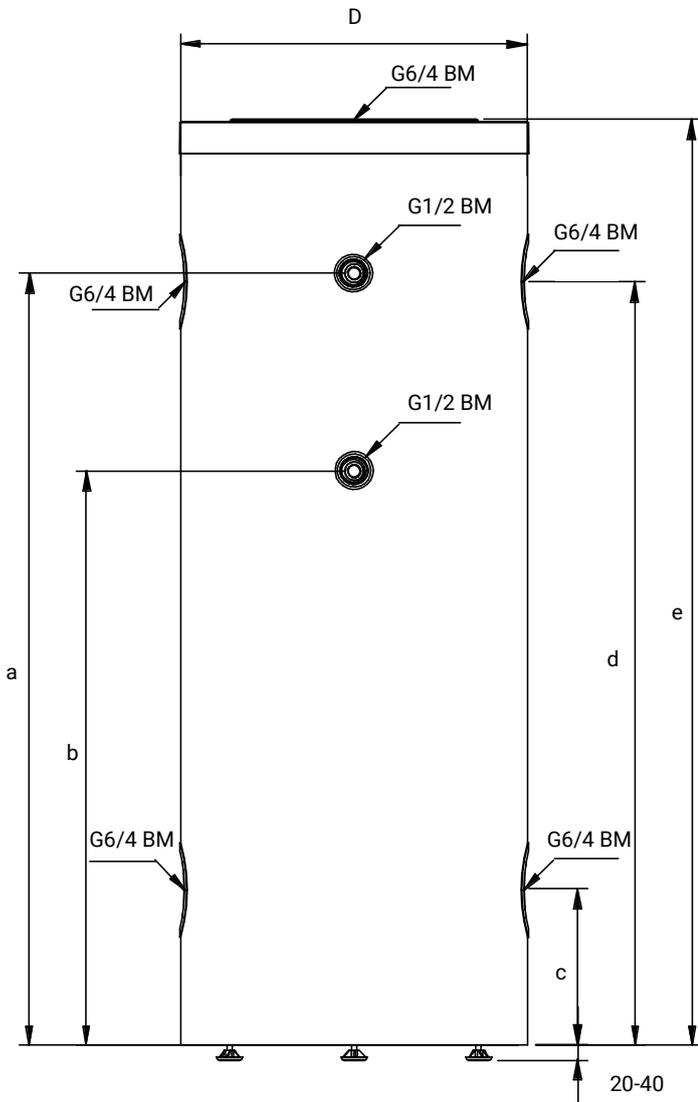
OPTIONAL  
INTEGRATION INTO  
A COOLING SYSTEM



EXCELLENT CLOSED  
CELL INSULATION

# BUFFER STORAGE TANKS

## PT HC...



TYPE		PT HC 100	PT HC 200
Rated volume	[litre]	107	202
e (height)	[mm]	874	1474
D (diameter)	[mm]	546	
b	[mm]	433	913
c		247	
d		614	1214
a		628	1228
Water connection		G6/4	
Max. operating pressure	[MPa]	0,6	
Thermal sensor pipe branch		G1/2	
Standby energy	[kWh/24h]	0,94	1,56
Weight	[kg]	25	42
Heat loss	[W]	39	65
Energy efficiency class		B	C



\*3 year full

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