

Overview of our storage tanks - the right solution for every heating system

Solar storage tank			Domestic water storage tank							Buffer storage tank			
ESS-PU	SSH	SSH-Plus	EBS-PU	BS	HLS-Plus	PSB	HSO	WWS-TS	SPSX	SPSX-G/ SPSX-2G	PSX-ECO		
Bare-tube heat exchanger			Bare-tube heat exchanger							Bare-tube heat exchanger			
2	2	3	1	1	1 - 2	0	1	1	0	1 - 2	0		
Compressive strenght			Compressive strenght							Compressive strenght			
10 bar	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar	10 bar	3 bar	3 bar	3 bar		
Insulation HS = PU rigid foam			Insulation HS = PU rigid foam							Insulation			
HS	Fleece	Fleece	HS	Fleece	Fleece	Fleece	HS	HS	Fleece	Fleece	Fleece		
Contents			Contents							Contents			
200 l to 500 l	300 l to 2.000 l	350 l to 800 l	120 l to 500 l	120 l to 2.000 l	150 l to 800 l	200 l to 2.000 l	120 l to 150 l	120 l to 200 l	200 l to 3.000 l	500 l to 2.000 l	200 l to 3.000 l		
Standard energy efficiency class			Standard energy efficiency class							Standard energy efficiency class			
Detailed product information and technical data are provided on the following pages:													
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The suitable storage tank for your complete system Note: Special solutions such as the combination of various heat sources also allow for other applications.													
									■	■	■		
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									■	■	■		
■	■	■	■	■	■	■	■	■					
■	■	■	■	■	■	■	■	■					
■	■	■	■	■	■	■	■	■	■	■	■		
■	■	■	■	■	■	■	■	■	■	■	■		
■	■	■			■								
■	■	■	■	■	■	■	■	■					

			System	Combined storage tank (Domestic water storage tank + Buffer storage tank)			Stainless steel storage tank			Other		
PSX-G-ECO	PS-BHKW	GPS (Großbuffer)	PSFW /-G	SKSW	WKS-WP	WKS	HSS	HBS	HPS	DWK	DLB	
			GWTs	Bare-tube heat exchanger			Bare-tube heat exchanger					
1	0	0	0 - 1	0 - 2	0 - 2	0 - 2	2	1	0	-	-	
			Com. st.	Compressive strenght			Compressive strenght					
3 bar	6 bar	3 bar	3 bar	3 bar	3 bar	3 bar	10 bar	10 bar	10 bar	4/6/10 bar	11/16 bar	
			Insulation	Insulation			Insulation					
Fleece	Fleece	Fleece	Fleece	Fleece	Fleece	Fleece	Fleece	Fleece	Fleece	-	-	
			Contents	Contents			Contents					
500 l to 2.000 l	500 l to 2.000 l	2.000 l to 10.000 l	500 l to 1.000 l	600 l to 1.500 l	600 l to 1.500 l	600 l to 1.500 l	200 l to 2.000 l	150 l to 2.000 l	150 l to 2.000 l	60 l to 3.000 l	40 l to 1.000 l	
			Class	Standard energy efficiency class			Standard energy efficiency class					
											-	-
p. 38	p. 40	p. 42	p. 46	p. 54	p. 56	p. 58	p. 62	p. 64	p. 66	p. 72	p. 74	
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Huch domestic water storage tank

Water - the elixir of life

Our domestic water storage tanks find their place in a hygienically trouble-free preparation of domestic water owing to quality-tested enamelling. We guarantee maximum quality on the basis of German standards and technical norms. The domestic water storage tanks can be combined with various heat generators.



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Quality features

1 High-grade bare-tube heat exchangers

Thanks to a special heat exchanger design and arrangement a high extraction grade of up to 96% is achieved.

2 Domestic water-suited

Hygienically correct domestic water heating thanks to high-grade enamelling. An anode supplied as standard also provides protection from corrosion.

3 Connection stubs

Our connection stubs are a standard 50 mm in length. The fleece insulation thus insulates any non-used connections. This cuts radiation losses and an improved energy efficiency is achieved by the storage tank.

4 Use of the entire storage tank capacity

An optimum hot water connection at the top of the storage tank means that the storage tank capacity is fully utilised.

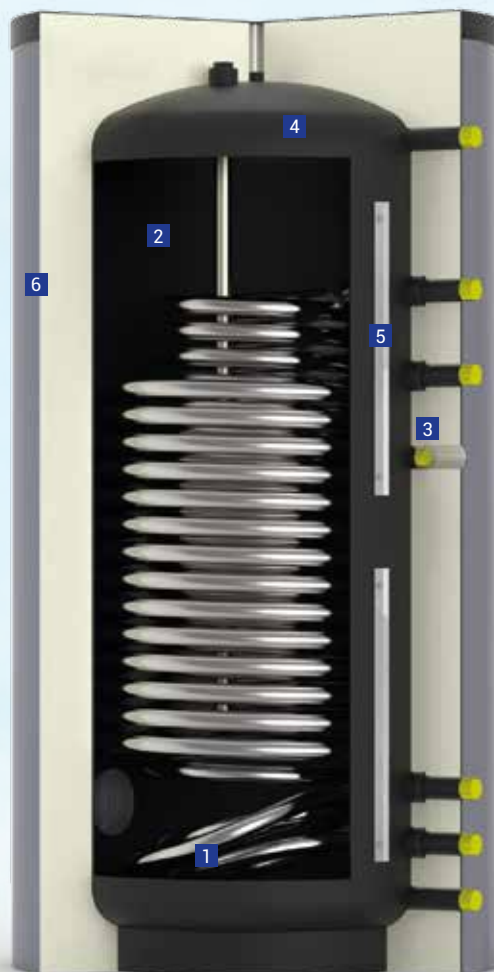
5 Flexible positioning of the temperature sensors

Sensor clamping strips allow the temperature sensor to be positioned at will. As a result, the Huch storage tanks are suitable for many application fields. (barring storage tanks with PU rigid foam; here firmly positioned sensor/controller connections).

6 Innovative highly efficient storage tank insulation

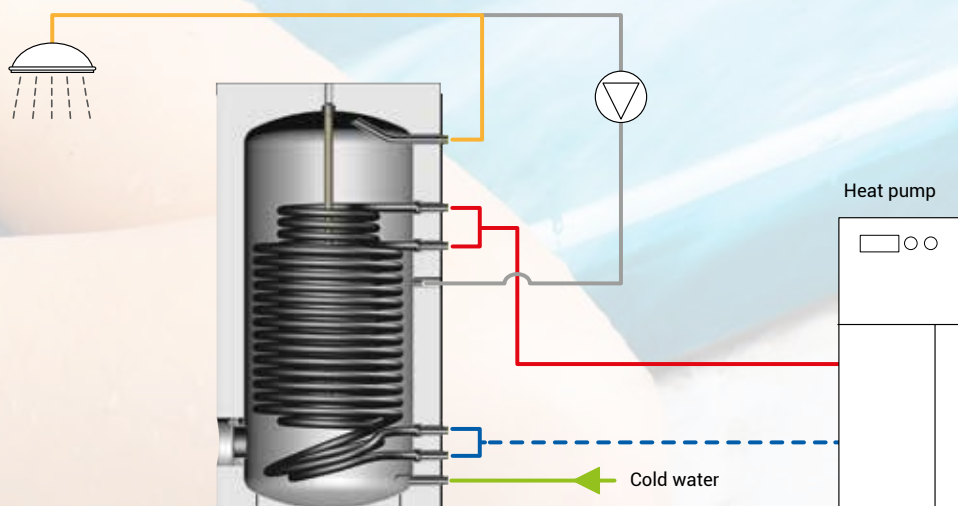
The high-grade Polyline® fleece insulation incl. a 100 mm lid and a 50 mm base insulation reduces heat loss by 10-15 % over soft foam.

PU rigid foam insulation - 50 mm high-grade polyurethane foam firmly wraps up the vessels in foam. No chimney effect develops and the insulation has excellent insulating properties.



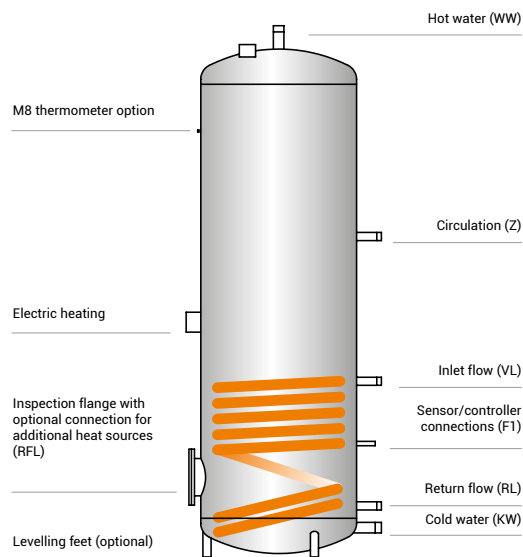
The HLS-Plus domestic water storage tank is shown in the illustration.

Connection scheme



Schematic diagram – relevant standards and regulations must be observed!

Domestic water storage tank EBS-PU

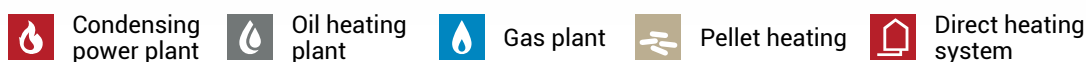


Price / Order number

Storage type	EBS-PU	120	150	200	300	400	500
Price							
EBS-PU with insulation	[€/item]	851,-	913,-	994,-	1206,-	1456,-	1694,-
Order number							
EBS-PU with insulation RAL 9006		14300	15280	14597	14596	15186	14599
In stock		✓	✓	✓	✓	✓	✓

Product description

- » **Material:** S235JR+N steel, internal enamelled, external primer coat
- » **Compressive strenght:** 10 bar
- » **Technical features:** large bare-tube heat exchanger, Magnesium protection anode 1 ¼", Sensor sleeve, Thermometer, Inspection flange 180 x 110 x LK 150
- » **Connections:** Standard 1 ½" sleeve for retrofitting an electric heating, flat-sealing external threads
- » **Insulation:** 50 mm PU rigid foam insulation with Sky-coating
- » Levelling feet see list of accessories
- » **Energy efficiency class "B"** until 500 Litres on request
- » **Accessories:** are on the pages from 84.



Special solutions such as the combination of various heat sources also allow for other applications.

Technical data

Storage type	EBS-PU	120	150	200	300	400	500
Content	[Litres]	120	150	200	300	400	500
Energy efficiency class		C	C	C	C	C	C
Heat retaining loss (with insulation)	[Watt]	69	73	84	90	95	99
Diameter without insulation	[mm]	500*	500*	500*	500*	600*	650*
Diameter with insulation	[mm]	600	600	600	600	700	750
Insulation	[mm]	50*	50*	50*	50*	50*	50*
Height with insulation	[mm]	814	969	1232	1697	1660	1783
Tilted height	[mm]	1011	1140	1370	1800	1750	1970
Heating surface	[m ²]	0,6	0,7	0,9	1,2	1,5	1,8
Water content WT	[Litres]	3,8	4,4	5,7	7,5	9,4	11,3
Flow rate WT	[m ³ /h]	0,8	1,0	1,2	1,6	2,0	2,4
Pressure loss WT	[mbar]	30	50	70	60	120	250
NL number** according to DIN 4708		1,7	2,1	3,6	8	11	14
Continuous output according to DIN 4708 (10°/80°/45°)	[l/h] (kW)	460 (18,7)	580 (23,6)	710 (28,9)	970 (39,5)	1180 (48,0)	1400 (57,0)
max. T/ max. P - TW	[°C/bar]	95 / 10	95 / 10	95 / 10	95 / 10	95 / 10	95 / 10
max. T/ max. P - GWT-HZG***	[°C/bar]	160 / 25	160 / 25	160 / 25	160 / 25	160 / 25	160 / 25
Cold water / hot water AG (KW/WW)	[Inch]	G 1	G 1	G 1	G 1	G 1	G 1
Circulation AG (Z)	[Inch]	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
Heat exchanger AG (VL/RL)	[Inch]	G ¾	G ¾	G ¾	G ¾	G ¾	G ¾
Electric heating IG (E-HZG)	[Inch]	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½	G 1 ½
Nominal width of inspection flange (RFL)		DN 110	DN 110	DN 110	DN 110	DN 110	DN 110
Sensor/controller connections (F1)		for all storage tanks: Sensor sleeve, internal diameter = 9 mm					
Thermometer connections		for all storage tanks: M8 thermometer option					
Dimensions							
KW	[mm]	110	110	110	110	127	128
RL	[mm]	180	180	180	180	205	205
VL	[mm]	450	520	630	580	635	685
Z	[mm]	520	660	780	1045	1065	1125
WW	[mm]	for all storage tanks: top					
E-HZG	[mm]	520	600	800	770	770	920
Weight	[kg]	59	66	73	94	151	195
Maintenance accessories							
Anode	[€/item] Order number	29,- 05712	34,- 05713	35,- 05714	37,- 03679	42,- 04041	62,- 04042
Blind flange	[€/item] Order number	21,- 03683	21,- 03683	21,- 03683	21,- 03683	21,- 03683	21,- 03683
Flange seal	[€/item] Order number	13,- 03684	13,- 03684	13,- 03684	13,- 03684	13,- 03684	13,- 03684

* Insulation not removable ** In order to achieve the specified NL number, the boiler out *** Operating media for heat exchanger: water in liquid state only.
Pay attention to the applicable DIN and DVGW specifications when connecting up the domestic water.