



Product catalogue 2017

Innovative storage tank and container solutions

Valid from 01 July 2017

Clever heat storage!



Custom-made storage tanks

Customization down to the last detail

Custom-made storage tanks and vessels are an indispensable addition to our range of products. We would be more than happy to assemble the tank that you require based on your individual particulars and requirements. Just send an enquiry to us.

Features

- ✓ **NEW** Up to a 2.400 mm diameter
- ✓ **NEW** Buffer storage tanks, cold water buffer storage tanks and stainless steel storage tanks up to a 25.000 litre capacity (3 / 6 bar)
- ✓ **NEW** Enamelled domestic water and buffer storage tanks up to 5.000 litres and a 1.500 mm diameter
- ✓ Operating pressure up to 16 bar (conditional upon capacity)
- ✓ Operating temperature:
Storage tank: 0°C - 95°C
Heat exchanger: 0°C - 160°C (25 bar)
- ✓ High-grade S235JR+N quality steel
- ✓ Various heat and low-temperature insulations available
- ✓ Various feet design structures
 - Stand/foot ring:
 - » Buffer storage tanks up to Ø 1.600 mm and a max. 5000 litres
 - » Enamelled storage tanks up to Ø 1.100 mm and a max. 2.000 litres
 - Feets:
 - » Buffer storage tanks above Ø 1.600 mm and upwards of 5000 litres
 - » Enamelled storage tanks above Ø 1.100 mm and upwards of 2.000 litres
 - » All cold water buffer storage tanks (on account of the air circulation)
- ✓ TÜV-tested on request

» Fitting & Components



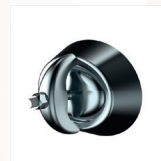
Flange nozzles

For connecting the continuative tubing. Number and position of the flange nozzles can be selected at will.



Tube bend

Enlarges optimum height utilization of the storage tank.



Handhole

Inspection openings for pressure equipment (small-size vessel).



Manhole

Inspection openings for pressure equipment (large-size vessel).



Inspection flange with blind flange and seal

Enables a fin-tubed heat exchange or a flange electric heater to be retrofitted.



Blind flange with connection sleeve G 1 1/2" and seal

Enables a screw-plug electric heater to be retrofitted.



Connection sleeve

For the purpose of attaching measuring equipment such as thermometers, pressure gauges.



Stratified guide channels
Enables the flow within the vessel to be specifically stratified.



Layer perforation plate
Makes possible stratification inside the vessel.



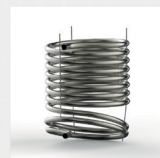
Nozzle tubes
Direct the main flow through without generating any turbulence in the vessel. Made of steel and stainless steel.



Hoisting eye
They allow vessels to be transferred and positioned using crane handling equipment.



Bare-tube heat exchanger
Using an external heat source (e.g. solar thermal system) to heat the storage tank water.



Threaded nozzle
For attaching continuative tubing with a threaded adapter.



Sensor clamping strip
For variable positioning of the temperature sensor.



Calculation support regarding custom-made storage tanks

Hot water storage tank (3/6 bar) & Cold water storage tank (6 bar)

- » 100 mm Polyline® fleece insulation for hot water storage tanks
- » 25 mm "Elastomer" insulation for cold water storage tanks
- » Other insulating variants possible on request
- » Vessel on stand ring or bases
- » Optionally in 3 / 6 / 10 & 16 bar (conditional on capacity)

- » Enamelling possible up to 5.000 litres and Ø 1.500 mm
 - » External coating possible as per AGI Worksheet Q151 for cold storage tanks for an extra charge (up to 5000 litres)
- We would be happy to provide you with an individual supply offer for other pressure levels and sizes up to 25.000 litres. Do use our enquiry form for this.

No stock items! Produced to customer requirements!

Excerpt from our size chart

Basic tank for buffer-, drinking water and cold water storage tanks (KWP)

Contents [Litres]	Ø [mm]	Height [mm]	Weight [kg]	
			3 bar (95°C)	6 bar (95°C)
Storage tank diameter Ø 400 mm				
55	400	600	25	27
80	400	800	30	32
105	400	1000	35	37
130	400	1200	40	42
155	400	1400	45	47
180	400	1600	50	52
Storage tank diameter Ø 450 mm				
70	450	600	29	31
100	450	800	34	36
130	450	1000	39	41
160	450	1200	44	46
190	450	1400	49	51
225	450	1600	54	56
Storage tank diameter Ø 500 mm				
125	500	800	39	42
145	500	1000	45	48
205	500	1200	51	54
245	500	1400	57	60
285	500	1600	63	66
325	500	1800	69	72
Storage tank diameter Ø 550 mm				
180	550	950	46	49
225	550	1150	53	56
270	550	1350	60	63
315	550	1550	67	70
360	550	1750	74	77
405	550	1950	81	84
Storage tank diameter Ø 600 mm				
265	600	1150	60	64
320	600	1350	68	72
375	600	1550	76	80
430	600	1750	84	88
485	600	1950	92	96
540	600	2150	100	105

Contents [Litres]	Ø [mm]	Height [mm]	Weight [kg]	
			3 bar (95°C)	6 bar (95°C)
Storage tank diameter Ø 650 mm				
345	650	1250	68	89
410	650	1450	77	99
475	650	1650	86	109
540	650	1850	95	119
605	650	2050	104	129
670	650	2250	113	139
715	650	2380	119	147
Storage tank diameter Ø 700 mm				
400	700	1250	79	99
475	700	1450	88	110
550	700	1650	97	121
625	700	1850	106	132
700	700	2050	115	143
775	700	2250	124	154
835	700	2400	131	162
Storage tank diameter Ø 750 mm				
490	750	1350	89	114
580	750	1550	99	127
670	750	1750	109	139
760	750	1950	119	141
850	750	2150	129	153
940	750	2350	139	165
975	750	2440	145	172
Storage tank diameter Ø 790 mm				
550	790	1350	94	119
645	790	1550	105	131
740	790	1750	116	143
835	790	1950	127	155
930	790	2150	138	167
1025	790	2350	149	179
1075	790	2450	155	185
Storage tank diameter Ø 800 mm				
565	800	1350	95	120
665	800	1550	107	133



Contents [Litres]	Ø [mm]	Height [mm]	Weight [kg]	
			3 bar (95°C)	6 bar (95°C)
765	800	1750	119	146
865	800	1950	131	159
965	800	2150	143	162
1065	800	2350	155	185
1110	800	2400	161	192
Storage tank diameter Ø 850 mm				
635	850	1350	102	131
745	850	1550	115	145
855	850	1750	128	159
965	850	1950	141	173
1075	850	2150	154	187
1185	850	2350	167	201
1260	850	2470	174	208
Storage tank diameter Ø 900 mm				
770	900	1450	118	188
900	900	1650	130	207
1020	900	1850	142	226
1150	900	2050	154	243
1275	900	2250	166	262
1410	900	2470	178	281
Storage tank diameter Ø 950 mm				
850	950	1450	128	200
1000	950	1650	140	219
1130	950	1850	152	238
1270	950	2050	164	257
1410	950	2250	176	276
1550	950	2450	184	295
1600	950	2500	187	300
Storage tank diameter Ø 1000 mm				
940	1000	1450	166	213
1095	1000	1650	171	233
1250	1000	1850	186	253
1410	1000	2050	201	273
1560	1000	2250	216	293
1720	1000	2450	231	313
1800	1000	2540	238	323
Storage tank diameter Ø 1100 mm				
1300	1100	1650	204	264
1500	1100	1850	221	286
1700	1100	2050	238	308
1900	1100	2250	255	330
2100	1100	2450	272	352
2150	1100	2540	281	363
Storage tank diameter Ø 1150 mm				
1430	1150	1650	214	302
1640	1150	1850	232	326
1850	1150	2050	250	350

Contents [Litres]	Ø [mm]	Height [mm]	Weight [kg]	
			3 bar (95°C)	6 bar (95°C)
2050	1150	2250	258	374
2250	1150	2450	276	398
2400	1150	2580	290	416
Storage tank diameter Ø 1200 mm				
1800	1200	1850	251	353
2000	1200	2050	270	378
2250	1200	2250	289	403
2450	1200	2450	308	428
2600	1200	2610	323	446
3000	1200	2950	357	489
Storage tank diameter Ø 1250 mm				
2150	1250	2050	277	389
2400	1250	2250	297	415
2650	1250	2450	317	441
2870	1250	2630	337	467
3150	1250	2850	357	493
3400	1250	3050	377	519
3600	1250	3250	397	545
Storage tank diameter Ø 1300 mm				
2500	1300	2200	335	405
3100	1300	2650	365	465
3800	1300	3200	415	565
4500	1300	3700	465	630
5150	1300	4200	515	700
5750	1300	4650	555	760
Storage tank diameter Ø 1400 mm				
2900	1400	2200	450	625
3650	1400	2700	500	715
4400	1400	3200	550	800
5200	1400	3700	605	890
6000	1400	4200	660	975
6700	1400	4700	710	1065
Storage tank diameter Ø 1500 mm				
3300	1500	2200	515	730
4200	1500	2700	570	825
5100	1500	3200	625	920
6000	1500	3700	680	1015
6900	1500	4200	735	1110
7800	1500	4700	790	1205
Storage tank diameter Ø 1600 mm				
4000	1600	2300	610	810
5000	1600	2800	665	910
6000	1600	3300	765	1010
7000	1600	3800	850	1110
8000	1600	4300	930	1210
9000	1600	4700	1010	1310
10000	1600	5300	1100	1410

Accessories & components for custom-made storage tanks

	Size
Flange nozzles (PN 6 / PN 16) DIN 2631 / EN1092-1 Length: ~ 140 mm	DN 15
	DN 20
	DN 25
	DN 32
	DN 40
	DN 50
	DN 65
	DN 80
	DN 100
	DN 125
	DN 150
DN 200	
DN 250	
DN 300	



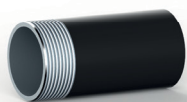
	Size
Tube bend with flange nozzles (PN 6 / PN 16) DIN 2633 / EN1092-1	DN 15
	DN 20
	DN 25
	DN 32
	DN 40
	DN 50
	DN 65
	DN 80
	DN 100
	DN 125
	DN 150
	DN 200
	DN 250
DN 300	



	Size
Connection sleeve (for KWP / Buffer) DIN 2986	1/2 Zoll
	3/4 Zoll
	1 Zoll
	1 1/4 Zoll
	1 1/2 Zoll
	2 Zoll



	Size
Branch sleeves Length: 120 mm	1/2 Zoll
	3/4 Zoll
	1 Zoll
	1 1/4 Zoll
	1 1/2 Zoll
	2 Zoll



	Size
Hoisting eye (for transport)	65 x 60 x 6 mm



	Size
Stainless steel nozzle tubes up to 1000 mm (more sizes on request)	DN 100
	DN 125
	DN 150
	DN 200
	DN 250
	DN 300



	Size
Steel 1.0038 nozzle tubes up to 1000 mm (more sizes on request)	DN 65
	DN 80
	DN 100
	DN 125
	DN 150
	DN 200
	DN 250
	DN 300



	Size
Inspection flange with blind flange incl. seal	DN 200 (DIN 4805)
	DN 200
	DN 300 PN 6 (EN1092)
	DN 400 PN6 (EN1092)
	DN 500 PN6 (EN1092)



	Size
Blind flange with connection sleeve G1 1/2" incl. seal	DN 200 (DIN 4805)
	DN 200



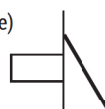
	Size
Manhole	420 x 320 mm



	Size
Hand hole	100 x 150 mm



	Size
Impact plate (Deflector plate)	60 x 60 x 3 mm



	Size
Layer perforation plate	ø 550 mm
	ø 600 mm
	ø 650 mm
	ø 750 mm
	ø 800 mm
	ø 1000 mm
	ø 1100 mm
	ø 1300 mm
ø 1400 mm	
ø 1600 mm	



	Size
Stratification guiding channels	400 mm
	500 mm
	600 mm
	720 mm
	820 mm
	920 mm
1020 mm	



	Size
Bare-tube heat exchanger including optional connections Up to 2000 litres, an internal heating coil is available; from 2500 litres we recommend using an external heat exchanger for more efficiency	2,5 m ² ø = 540 from 500 l
	2,5 m ² ø = 600 from 880 l
	3,2 m ² ø = 600 ab 800 l



	Size
Sensor clamping strips	500 mm
	800 mm



More accessories and components on request!

Enquiry for custom-made storage tanks



Copy, complete and fax the form.

Company: _____

Address: _____

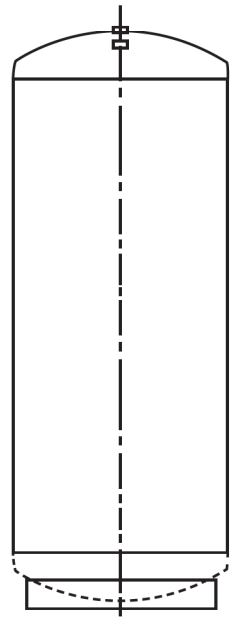
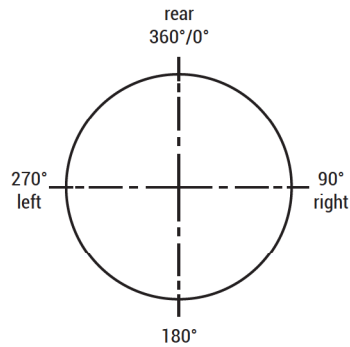
Contact person: _____

Telephon: _____

E-mail: _____

Project: _____

Drawing of Connections



Buffer storage tank <input type="checkbox"/>	Cold water storage tank <input type="checkbox"/>	Drinking water storage tank <input type="checkbox"/>	Others <input type="checkbox"/>
Contents	Litres	Compressive strenght	bar
Diameter	mm	max. Height	mm
Connections	Item (see drawing)	Operating temperature	°C
Various feet design: Foot ring <input type="checkbox"/>		oder 3 Feets <input type="checkbox"/>	

Description	Size	Amount

Insulation: _____

Others: _____

Date: _____ Signature: _____

Send the completed enquiry form by fax (0049 - 33920 - 672 77) or by e-mail (anfragen@huch.com) to our quotation processing department and you will promptly receive an offer for your desired storage unit.

The General Terms and Conditions for Sale and Delivery of Huch GmbH Behälterbau as well as the agreements acknowledged with order acceptance shall apply to all transactions. Subject to any kind of changes and errors. In order to maintain warranty, only original parts may be used as replacement parts such as seals etc.

Custom-made tanks