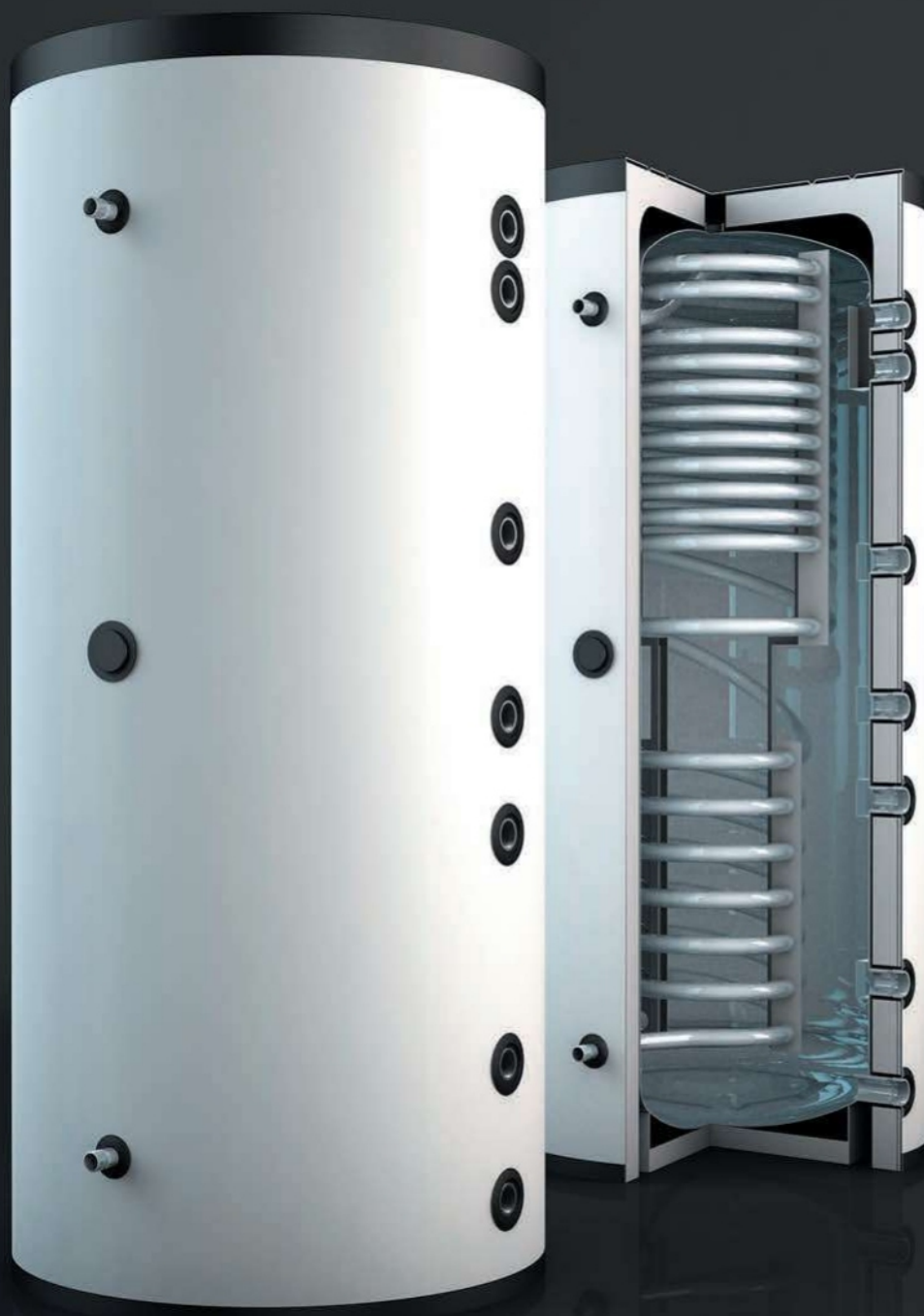


H 500 - 2000



# Hygienic storage tank

## H 500 - 2000

### Application

This buffer tank with its integrated stainless steel pipe can be used with various heating sources, such as boilers for gas, oil and solid fuels, or with heat pumps.

### Corrosion protection for parts with drinking water contact

Stainless steel 1.4404

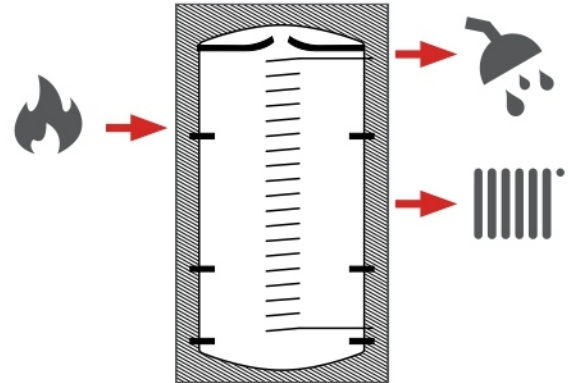
### External corrosion protection

Powder coating

### Heat insulation

Type 500-1000: 70 mm PU rigid foam half-shell with soft sleeve

Type 1500-2000: 85 mm PU rigid foam half-shell with soft sleeve



Model overview H 500 - 2000

Type	Article no.	Volume	Height with insulation	Tilt height	Installation diameter	Weight (empty)	Surface corrugated pipe top	Output figure	Energy efficiency class
Unit	[-]	[l]	[mm]	[mm]	[mm]	[kg]	[m <sup>2</sup> ]	[-]	[-]
H 500	STD0500H	497	1750	1740	650	180	5.5	3	C
H 800	STD0800H	772	1970	1950	750	191	6	3.8	C
H 1000	STD1000H	902	2120	2100	790	219	6	4	C
H 1500	STD1500H	1526	2220	2220	1000	345	9.8	9.3	C
H 2000	STD2000H	1998	2420	2410	1100	375	9.8	10.4	C

# Hygienic storage tank

## Technical specifications H 500 - 2000

Type	Unit	H 500	H 800	H 1000	H 1500	H 2000
Article no.	[-]	STD0500H	STD0800H	STD1000H	STD1500H	STD2000H
Volume	[l]	497	772	902	1526	1998
Content heating side	[l]	469	742	872	1476	1948
Drinking water content	[l]	28	30	30	50	50
Height with insulation	[mm]	1750	1970	2120	2220	2420
Diameter with insulation	[mm]	810	910	950	1200	1300
Diameter without insulation	[mm]	650	750	790	1000	1100
Tilt height	[mm]	1740	1950	2100	2220	2410
Installation diameter	[mm]	650	750	790	1000	1100
Weight (empty)	[kg]	180	191	219	345	375
Max. operating pressure heating side	[bar]	3	3	3	3	3
Test pressure heating side	[bar]	4,5	4,5	4,5	4,5	4,5
Max. operating pressure hot drinking water side	[bar]	6	6	6	6	6
Test pressure hot drinking water side	[bar]	9	9	9	9	9
Max. operating temperature heating side	[°C]	95	95	95	95	95
Max. operating temperature hot drinking water side	[°C]	95	95	95	95	95
Surface corrugated pipe top	[m <sup>2</sup> ]	5,5	6	6	9,8	9,8
Insulation thickness	[mm]	70	70	70	85	85
Max. installation length EHP	[mm]	500	500	500	750	750
Output figure	[-]	3	3,8	4	9,3	10,4
Standby heat loss	[kWh/d]	2,50	3,10	3,38	4,10	4,44
Holding losses	[W]	104	129	141	171	185
Efficiency class	[-]	C	C	C	C	C
Insulation material	[-]	PU rigid foam shell ( $\lambda=0.024$ W/mK)				
Corrosion protection	[-]	stainless steel				

## Output data H 500 - 2000

	Storage tank fully charged			Only top part of storage tank charged <sup>1</sup>						
	Initial output without heat generator [l]			Initial output without heat generator [l]			Values as per DIN4708 <sup>2</sup>			
	Draw-off rate			Draw-off rate			Output figure	Maximum draw-off performance in 10 min <sup>3</sup>		
	10 l/min	15 l/min	20 l/min	10 l/min	15 l/min	20 l/min		[l]	[l/min]	
HE TW	500	373	319	281	260	234	209	3.0 (29 kW)	232	23.2
	800	573	519	456	382	322	275	3.8 (30 kW)	260	26.0
	1000	637	600	536	402	331	281	4.0 (33 kW)	267	26.7
	1500	700	650	547	430	358	301	9.3 (70 kW)	399	39.9
	2000	842	714	651	463	393	358	10.4 (80 kW)	423	42.3

1 - Heating from CW 10 °C to WW 45 °C; storage tank temperature 65 °C

2 - Heating from CW 10 °C to WW 45 °C; supply 70 °C; storage tank temperature CW + 50 K

3 - Data relative to output figure

## Connections and dimensions H 500 - 2000

Connections		Unit	H 500	H 800	H 1000	H 1500	H 2000
ENT	Ventilation	[mm]	1690 1¼" IT	1910 1¼" IT	2060 1¼" IT	2140 1¼" IT	2320 1¼" IT
WW	Hot water	[mm]	1410 1" OT	1670 1" OT	1820 1" OT	1835 1" OT	2000 1" OT
KV 1	Boiler supply 1	[mm]	1410 1½" IT	1670 1½" IT	1820 1½" IT	1835 1½" IT	2000 1½" IT
KV 2	Boiler supply 2	[mm]	1300 1½" IT	1560 1½" IT	1710 1½" IT	1725 1½" IT	1890 1½" IT
HZV	Heating supply	[mm]	1020 1½" IT	1150 1½" IT	1300 1½" IT	1285 1½" IT	1380 1½" IT
EHP	Electric heating cartridge	[mm]	900 1½" IT	950 1½" IT	1100 1½" IT	1065 1½" IT	1230 1½" IT
KR 1	Boiler return 1	[mm]	820 1½" IT	870 1½" IT	990 1½" IT	975 1½" IT	1030 1½" IT
HZR 1	Heating return 1	[mm]	620 1½" IT	670 1½" IT	790 1½" IT	775 1½" IT	830 1½" IT
KR 2	Boiler return 2	[mm]	390 1½" IT	400 1½" IT	400 1½" IT	465 1½" IT	480 1½" IT
KW	Cold water	[mm]	260 1" OT	270 1" OT	270 1" OT	335 1" OT	350 1" OT
HZR 2	Heating return 2	[mm]	150 1½" IT	170 1½" IT	170 1½" IT	235 1½" IT	250 1½" IT
FKL	Sensor rail						

