



KBT-B

- BUFFER TANK



Top Section View



Side Section View

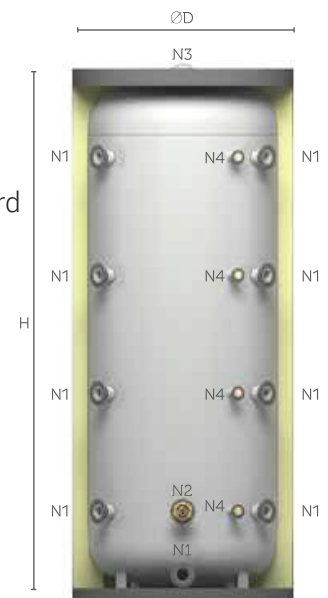
Outer Appearance

Volume : 100L – 2000L (Please contact us for different capacities and pressure)
 Maximum Operating Temperature : 95 °C
 Body Operating Pressure : 6 Bar
 Connection Flange / Pressure Class : DN 50 – DN 300 / PN16
 Inner Surface Coating : Buffer tanks are made of high quality S235JR (EN 10025) corrosion resistance steel

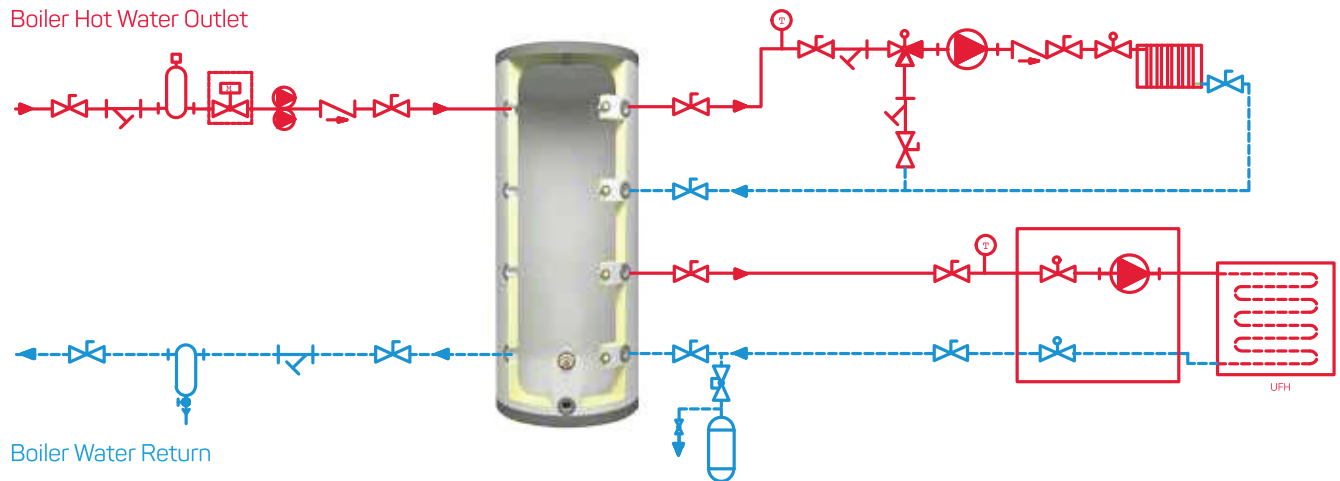
Insulation : Insulation is in accordance with EN 15332 Energy Efficiency Standard
 100L – 500L : 42 kg/m³ water based hard PU (HCFC-Free) foam
 800L – 1000L : 42 kg/m³ water based hard PU (HCFC-Free) foam (Optional)
 800L – 2000L : 18 kg/m³ soft PU
 800L – 2000L : 26 kg/m³ flame retardant soft PU (Optional)

External Cover Coating
 100L – 500L : Electrostatic Powder Painted Steel / Artificial Leather / IXPE / ABS
 800L – 2000L : Artificial Leather / IXPE / ABS

External Heater : Electric heater can be installed (Optional)



INSTALLATION DIAGRAM



Installation diagram given above is just a template. Installation must be done according to update standards and directives.

DESCRIPTION	Code	Unit	KBT-B 100	KBT-B 160	KBT-B 200	KBT-B 300	KBT-B 400	KBT-B 500	KBT-B 800	KBT-B 1000	KBT-B 1500	KBT-B 2000
Volume	V	L	100	160	200	300	400	500	800	1000	1500	2000
Body Diameter	ØD	mm	490	590	590	700	750	750	900	1000	1120	1260
Total Height	H	mm	1080	1125	1320	1210	1450	1800	2100	2070	2300	2230
Domestic Hot Water Outlet	N1	inch	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Air Release Valve Connection	N4	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Insulation Type & Thickness	t	mm	PU/50	PU/50	PU/50	PU/50	PU/50	PU/50	SP/80	SP/80	SP/80	SP/80
Energy Heat Loss	-	kWh/d	1,38	1,59	1,7	1,99	2,34	2,63	3,61	4,24	-	-
Gross Weight	G	kg	55	72	79	97	130	153	223	235	330	470
Tipping Height	-	mm	1205	1290	1465	1420	1650	1970	2300	2320	2580	2580
Thermometer and Sensor Connections	N4	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Electric Heater	N2	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

HL Hydronics reserves the right to change technical information without notice.
Information and schemes given may not be copied and used without permission from HL Hydronics.
If used, HL Hydronics does not take responsibility.