



# ABT-S

## SINGLE COIL BUFFER TANK

 AUTONOM

# ABT-S SINGLE COIL BUFFER TANK



A buffer tank (also called a buffer vessel) is used to store thermal energy, generally hot water or a water/glycol mixture.

It is used to ensure a constant supply of heat, but also to optimize the efficiency of a boiler, a geothermal system or heat pump.

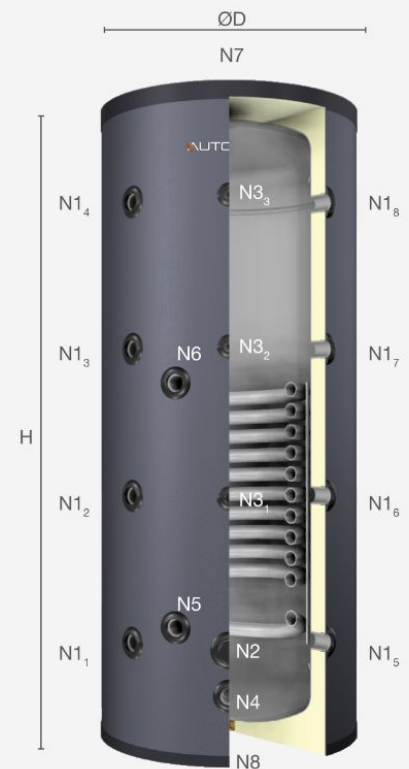
## FEATURES

<b>Volume</b>	160L – 2000L (Please contact us for different capacities and pressure)
<b>Maximum Operating Temperature</b>	95 °C
<b>Body Operating Pressure</b>	6 Bar
<b>Inner Surface Coating</b>	Buffer tanks are made of high quality S235JR (EN 10025) corrosion resistance steel

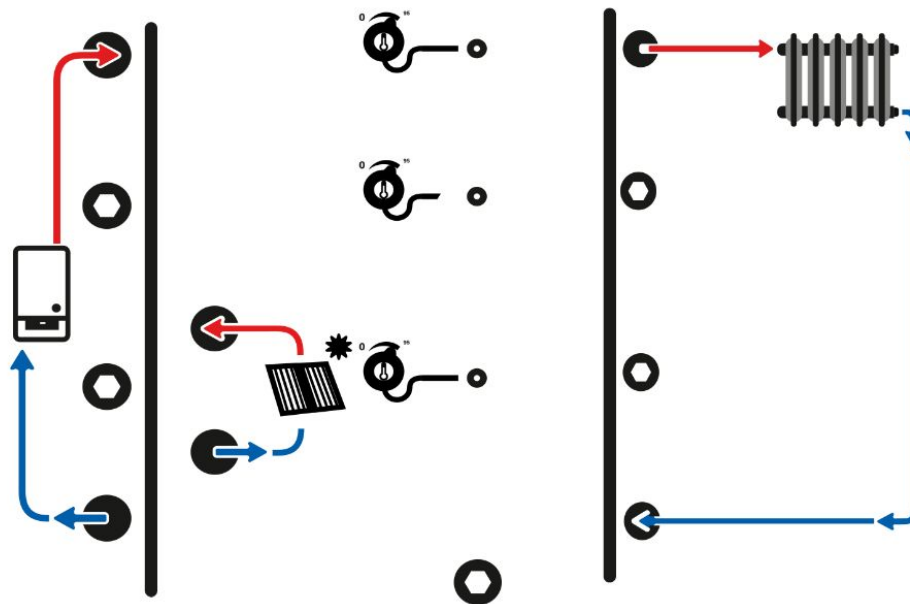
<b>Insulation</b>	Insulation is in accordance with EN 15332 Energy Efficiency Standard
160L – 500L	42 kg/m <sup>3</sup> water based hard PU (HCFC-Free) foam
800L – 1000L	42 kg/m <sup>3</sup> water based hard PU (HCFC-Free) foam (Optional)
800L – 2000L	18 kg/m <sup>3</sup> soft PU
800L – 2000L	26 kg/m <sup>3</sup> flame retardant soft PU (Optional)

<b>External Cover Coating</b>	
160L – 500L	Electrostatic Powder Painted Steel / Artificial Leather / IXPE / ABS
800L – 2000L	Artificial Leather / IXPE / ABS

<b>Electric Heater</b>	Electric heater can be installed (Optional)
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# INSTALLATION DIAGRAM



This installation diagram is for reference only. Follow all applicable standards when installing.

DESCRIPTION	Code	Unit	ABT-S 160	ABT-S 200	ABT-S 300	ABT-S 400	ABT-S 450	ABT-S 800	ABT-S 1000	ABT-S 1500	ABT-S 2000
Volume	V	L	160	200	300	400	442	800	1000	1500	2000
Body Diameter	ØD	mm	590	590	700	750	700	900	1000	1120	1260
Total Height	H	mm	1125	1320	1210	1450	1820	2100	2070	2300	2230
Water Outlet	N1	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"
Drain	N2	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"
Electric Heater	N3	inch	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Serpentine Diameter	N6	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"
Insulation Type & Thickness	t	mm	PU/50	PU/50	PU/50	PU/50	PU/50	SP/80	SP/80	SP/80	SP/80
Energy Heat Loss	-	kWh/d	1,51	1,78	2,03	2,26	2,77	3,94	4,62	-	-
Gross Weight	G	kg	91	109	123	156	194	261	283	380	594
Tipping Height	-	mm	1290	1465	1420	1650	1670	2300	2320	2580	2580
Connections	N5	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	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"


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