

ABT-B

BUFFER TANK

AUTONOM

v2.2

ABT-B BUFFER TANK



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

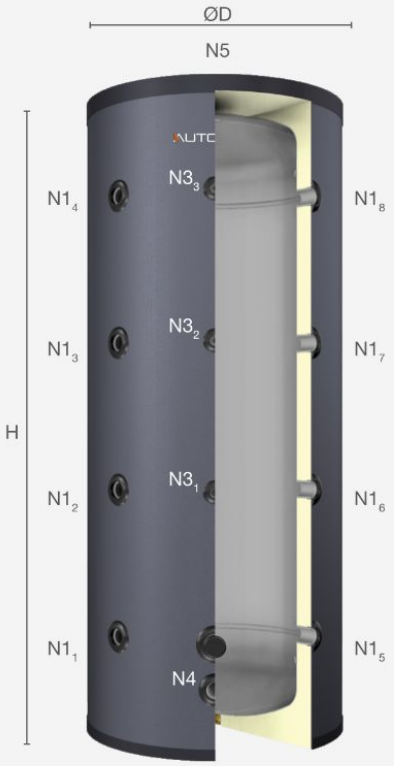
It is used to ensure a constant supply of heat, but also to optimize the efficiency of a boiler, a geothermal system or heat pump.

FEATURES

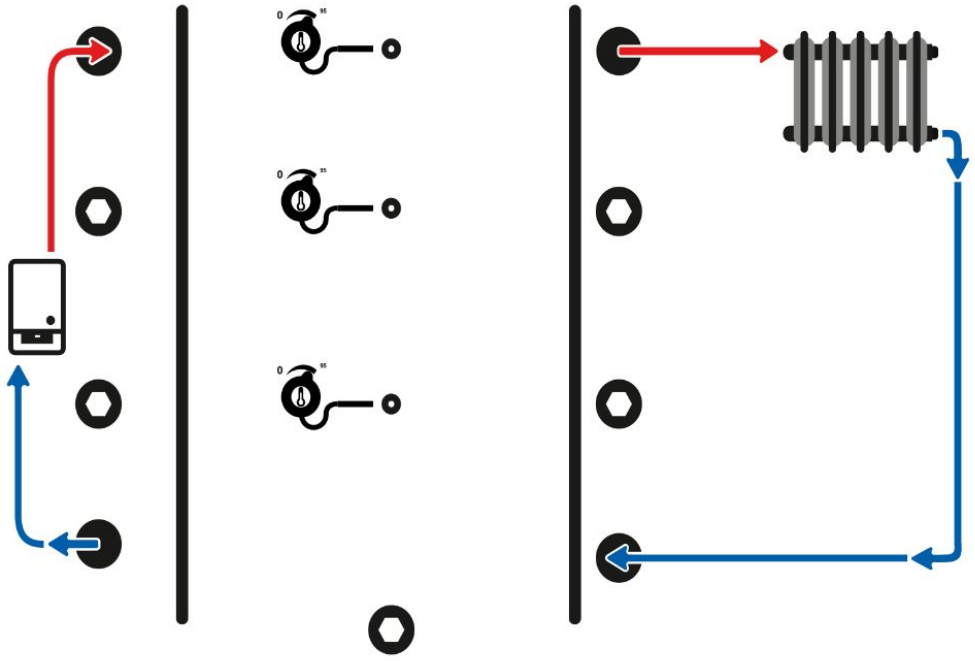
Volume	From 300 to 4 000 L | 79 to 1 057 US gal
Max operating temperature	95 °C | 203 °F
Max operating pressure	85 psi (not ASME certified)
Tank construction	High-corrosion-resistant steel

Isolation	Compliant with ***EN 15332 Energy Efficiency*** standard
300 to 451 L 79 to 119 US gal	Rigid water-based PU type insulation, 42 kg/m³ (HCFC-free)
800 to 4 000 L 211 to 1 057 US gal	Flexible PU type insulation, 18 kg/m³

Exterior finish	
300 to 4 000 L 79 to 1 057 US gal	Artificial leather, IXPE and ABS



INSTALLATION DIAGRAM



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

SPECIFICATIONS

			ABT-B MODEL									
	CODE	UNIT	300	400	450	800	1 000	1 500	2 000	2 500	3 000	4 000
Volume	V	L	300	400	451	800	1000	1500	2000	2500	3000	4000
Diameter	⌀D	mm	700	750	700	900	1000	1120	1310	1460	1460	1660
Height	H	mm	1210	1450	1820	2100	2070	2300	2280	2160	2580	2575
Heating connection	N1	in	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	2	2	3
Air vent fitting	N5	in	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	t -	mm	PU/50	PU/50	PU/50	PU/50	PU/50	PU/50	PU/80	PU/80	PU/80	PU/80
Weight (gross)	G	kg	70	106	106	183	197	286	360	510	563	745
Tipping height	-	in	55	77 1/2	78 1/2	90 3/4	89 1/2	101 3/4	100 1/2	102 3/4	113 1/2	111 1/2
Thermometer fitting	N3	in	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Drain fitting	N4	in	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	2	2	3

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