ABT-D

DUAL COIL BUFFER TANK

AUTONOM

v2.0

ABT-D DUAL 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.

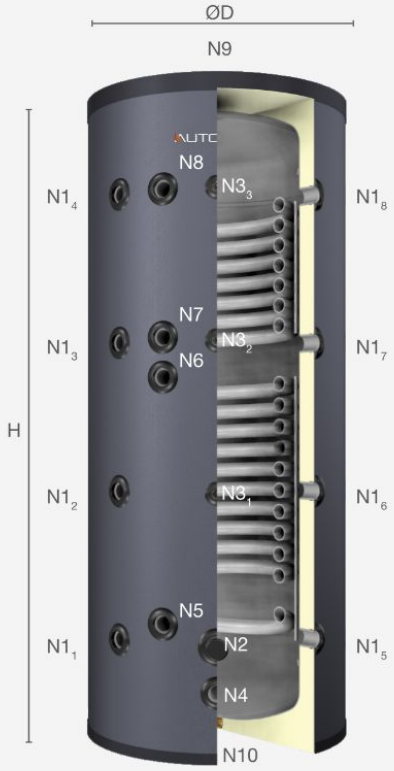
FEATURES

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

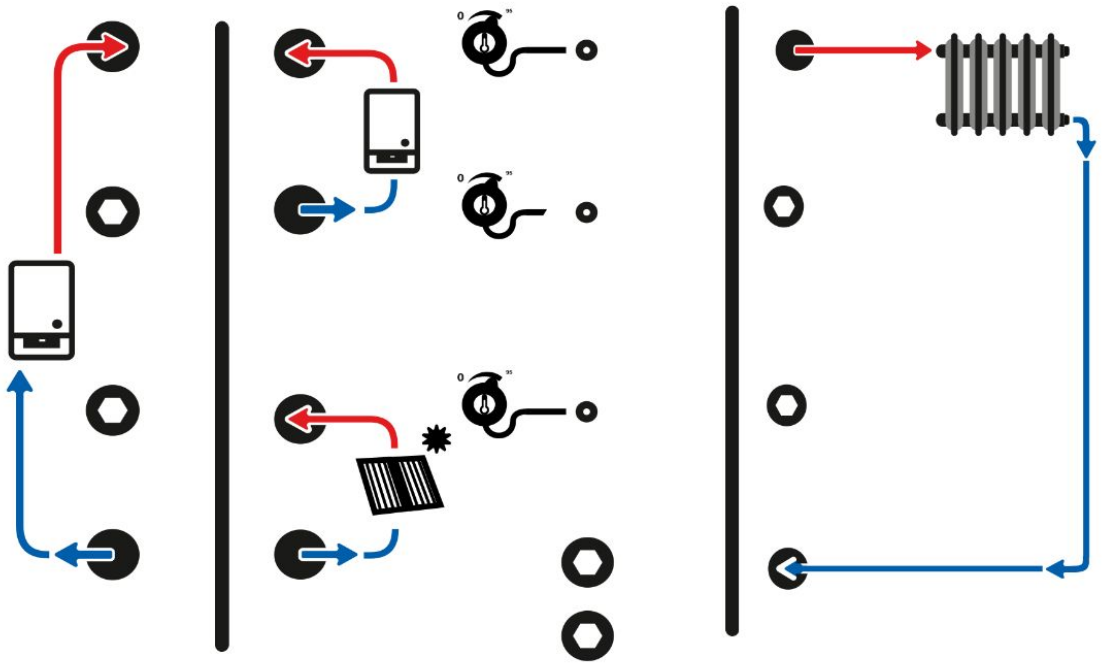
Insulation	Insulation is in accordance with EN 15332 Energy Efficiency Standard
160L – 500L	42 kg/m³ water based hard PU (HCFC-Free) foam
800L – 1000L	42 kg/m³ water based hard PU (HCFC-Free) foam (Optional)
800L – 2000L	18 kg/m³ soft PU
800L – 2000L	26 kg/m³ flame retardant soft PU (Optional)

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

Electric Heater	Electric heater can be installed (Optional)



INSTALLATION DIAGRAM



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

DESCRIPTION	Code	Unit	ABT-D 160	ABT-D 200	ABT-D 300	ABT-D 400	ABT-D 450	ABT-D 800	ABT-D 1000	ABT-D 1500	ABT-D 2000
Volume	V	L	160	200	300	400	435	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	11/4"	11/4"	11/4"	11/4"	11/4"	2"	2"	2"	2"
Drain	N2	inch	11/4"	11/4"	11/4"	11/4"	11/4"	2"	2"	2"	2"
Electric Heater	M3	inch	11/2"	11/2"	11/2"	11/2"	11/2"	2"	2"	2"	2"
Upper Serpentine Diameter	N7	inch	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"
Lower Serpantine Diameter	N6	inch	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"
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	1,37	1,44	2,07	2,19	2,69	3,84	4,64	4,24	-
Gross Weight	G	kg	95	112	132	170	223	290	318	417	640
Tipping Height	-	mm	1290	1465	1420	1650	1970	2300	2320	2580	2580
Thermometer and Sensor	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	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"	11/4"

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LES CHAUDIÈRES AUTONOM / AUTONOM BOILERS
670, avenue J-A Doyon Saint-Joseph-de-Beauce (Québec) G0S 2V0
www.autonomboilers.com info@autonomboilers.com
+1 418-397-4300