

ABT-CB

HYDRAULIC SEPARATOR | BUFFER TANK

AUTONOM

v1.2

ABT-CB HYDRAULIC SEPARATOR | BUFFER TANK



Hydraulic separators | Buffer tanks are engineered to prevent short cycling of the heat source and to balance pressure and flow differences, which increases efficiency and extends the life of components in modern hydronic systems.

They function as a storage tank for excess heat, acting as a buffer during periods of high BTU output.

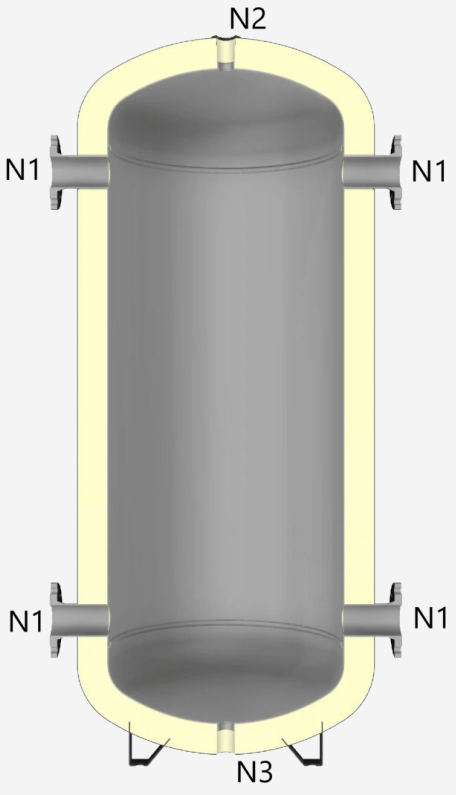
The hydraulic separator is piped so that the building's flow and the heating system's flow circulate independently.

FEATURES

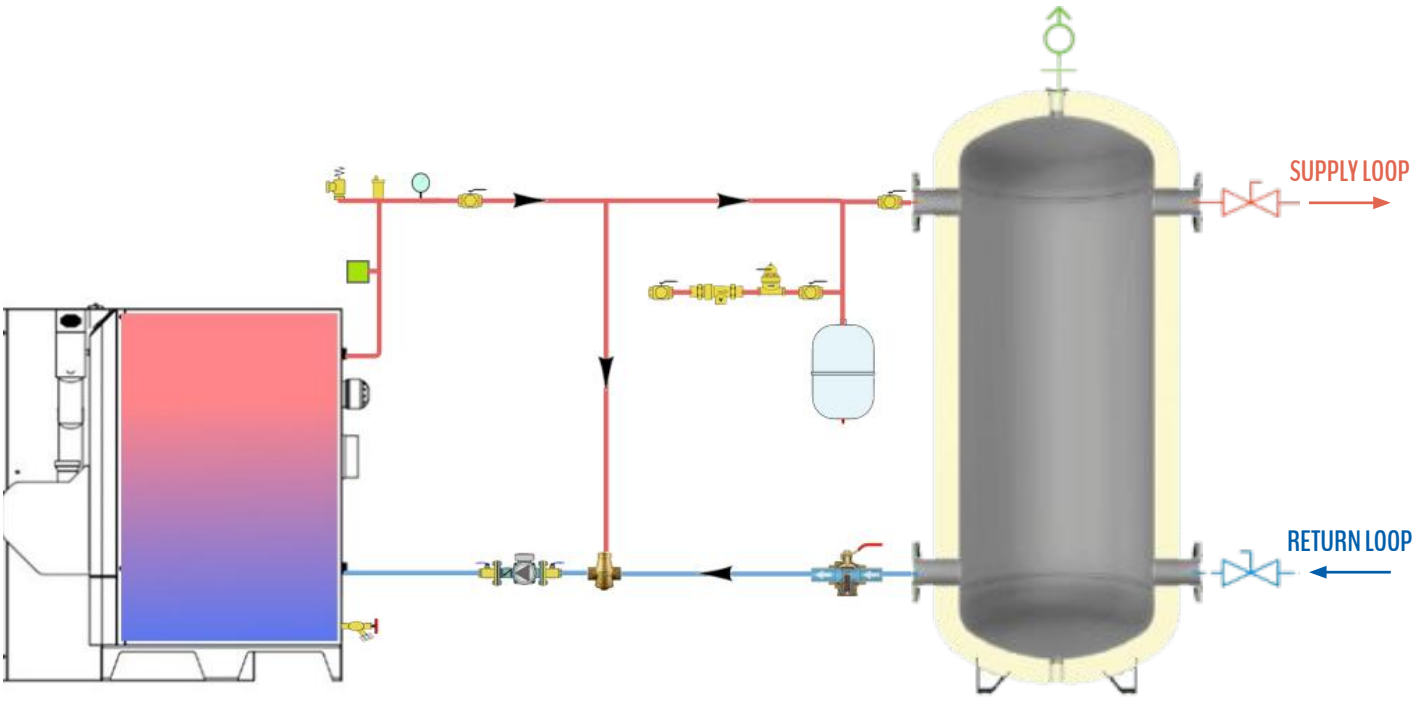
Volume	From 100 to 4 000 L | 26 to 1 057 US gal
Max operating temperature	95 °C | 203 °F
Max operating pressure	87 psi (not ASME certified)
Flange connection pressure class	PN16 (≅ ASME Class 150)

Isolation	Compliant with ***EN 15332 Energy Efficiency*** standard
100 to 500 L 26 to 132 US gal	50 mm rigid water-based PU type insulation, 42 kg/m³ (HCFC-free)
800 to 4 000 L 211 to 1 057 US gal	80 mm flexible PU type insulation, 15 kg/m³

Exterior finish	
100 to 500 L 26 to 132 US gal	Blueshell (recyclable polyethylene cover that provides heat-saving)
800 to 4 000 L 211 to 1 057 US gal	Vinleks (vinyl artificial leather)



INSTALLATION DIAGRAM



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

SPECIFICATIONS

			ABT-CB MODEL									
Volume	V	L	100	300	500	800	1000	1500	2000	2500	3000	4000
Insulation type	i	mm	50 mm PU 42 kg/m3			80 SPU 15 kg/m3						
Diameter	⌀D	mm	540	760	800	910	1010	1120	1310	1460	1460	1660
Height	H	mm	1115	1225	1850	2110	2070	2375	2280	2160	2580	2575
Heating connection	N1	in / DN	Threaded 1 1/2	Threaded 2	Threaded 2 1/2	Flanged DN80	Flanged DN100					
Air vent fitting	N2	in	1 1/4									
Blind connection	N3	in	1 1/4					2				
Weight (gross)	G	kg	46	80	118	199	215	311	385	540	593	806
Tipping height	R	in	48 1/2	55	78 1/2	90 3/4	89 1/2	101 3/4	94	94 1/2	108	111 1/2

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