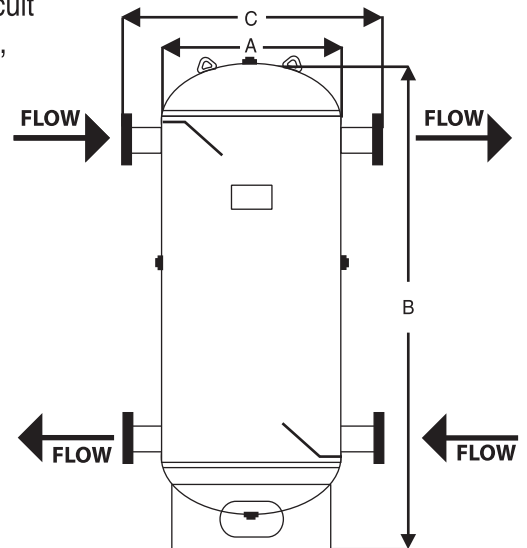


Series HS

Hot Water Hydraulic Separator/Buffer Tanks

American Wheatley HS Series Hot water buffer tanks are designed to operate with modern high efficiency low-mass modular boiler systems. The American Wheatley hot water buffer tank ensures minimal ΔT and provides the necessary thermal storage to prevent short cycling that could occur during low load conditions.

- Prevents flow in one circuit from interfering with flow from another circuit
- Eliminates the need for a primary loop circulating pump, air separator, and strainer, thereby reducing initial cost as well as operating cost
- Eliminates complicated piping, reduces labor and piping costs
- Sized for no more than 4 fps, low velocity in the vessel results in low pressure drops
- Correctly installed hydraulic separation allows the use of multiple circulators to operate independently without interfering with each other
- Ideal for multiple load systems
- American Wheatley manufactures ASME hydraulic separators in standard sizes 2" through 14", ASME 125
- Larger sizes and pressure ratings readily available



Typical Specifications

Furnish and install an American Wheatley HS series, vertical hydraulic buffer tank as described on the drawings or schedule. Inlet and outlet connections shall be flanged unless otherwise noted. Unit shall be constructed of carbon steel and built in accordance with ASME Section VIII, Division 1, the nameplate manufacturer shall carry all applicable ASME certificates. Exterior shall be primer base coated.

MODEL NO.	SIZE	GALLON	A Diam. (In.)	B Overall Height (In.)	Vent (In.)	Drain (In.)	C Flange to Flange	Weight (Lbs.)	Optimal Flow GPM
HS-002	2"	9	12	26	3/4	3/4	NPT	46	65
HS-025	2.5"	14	12	36	3/4	3/4	24	48	65
HS-003	3"	36	16	48	3/4	3/4	28	87	178
HS-004	4"	36	16	48	3/4	3/4	28	90	178
HS-005	5"	65	20	57	3/4	3/4	32	410	300
HS-006	6"	100	20	84	3/4	3/4	32	426	520
HS-008	8"	235	30	90	3/4	1 1/2	42	700	800
HS-100	10"	450	36	118	3/4	1 1/2	48	1,200	1,200
HS-120	12"	500	42	97	3/4	1 1/2	54	1,400	1,400
HS-140	14"	500	42	97	3/4	1 1/2	54	1,450	1,750

JOB NAME _____
 LOCATION _____

 CONTRACTOR _____
 CONTRACTOR P.O. NO. _____

ITEMS	QUANTITY
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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