



SunEarth

THE COPPERSTOR SERIES

DRAIN BACK RESERVOIR SPECIFICATION SHEET

Applications



Solar Water Heating



General:

The CopperStor represents a cost effective advance in drainback reservoir design. Fabricated from no ferrous metal components, the CopperStor is nearly impervious to corrosion and allows for direct sweated connections without the need for troublesome dielectric unions.

High temperature 5% silver brazed joints ensure high strength and are not affected by lower temperature flames used for sweating the connections. COPPERSTOR reservoirs are finished with a water-based matte black paint and wrapped in 1/2" Rubatex insulation to minimize heat loss and sound.

CopperStor drainback reservoirs have been designed for use with the SunEarth Cascade OG-300 solar water heating system, but they may be incorporated into most other professionally engineered drainback systems.

Typical Applications:

CopperStor drainback reservoirs can be seamlessly coupled with the SunEarth HE double wall solar reservoir to create our popular Cascade indirect solar water heating system. Using the SunEarth HE tank eliminates the need for a second pump and external heat exchanger. The CopperStor drainback reservoir can easily be hung from the wall adjacent to the SunEarth HE tank for an easy and unobtrusive installation.

For applications where it is not economical to replace the existing storage reservoir or preferable to have an external heat exchanger, the CopperStor may be used in combinations with our SunPlate heat exchanger in our versatile Cascade 2 indirect solar water heating system.

Technical Specification:

DBHCopperStor Drain Back Tanks:

Model Number	Width (in)	Length (in)	Depth (in)	Dry Weight (lbs)	Fluid Capacity	Wet Weight	Max Pressure (PSIG)	Connection Pipe Dia. (in)
DB-5.0	12	50	5	42	5.0	82	160	3/4
DB-7.5	18	50	5	56	7.5	117	160	3/4
DB-10.0	24	50	5	84	10.0	164	160	3/4
DBH-X*	X (48")	50	5	X (11.48 lbs.)	X(2.41 gal.)	X (30.76 lbs.)	160	1

*Number of collectors

Due to SunEarth's policy of continuous product improvement, specifications are subject to change without notice.



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Nov 2019