



Remote Sump Tanks

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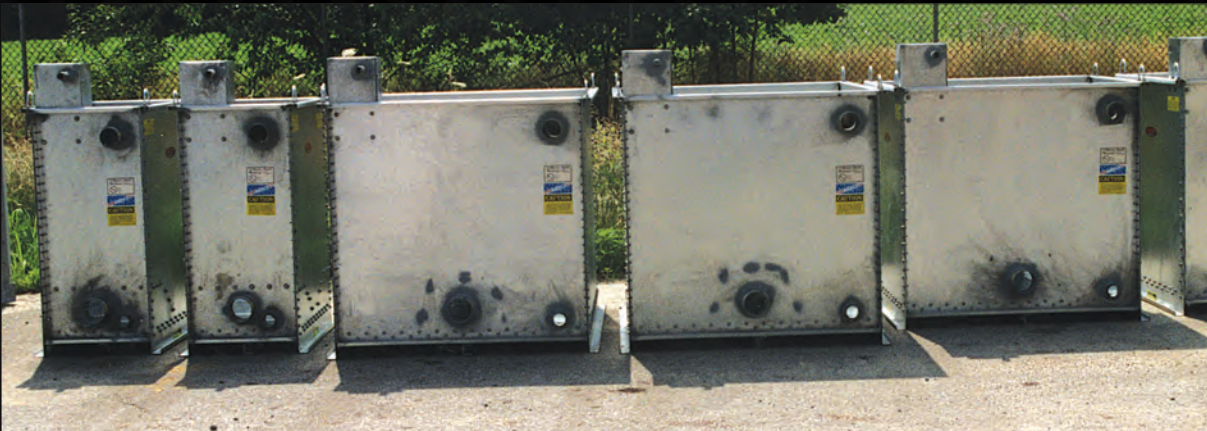
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BAC's RS Remote Sump Tanks can easily be added to cooling towers, closed circuit cooling towers, or evaporative condenser systems and are offered in a variety of sizes and materials. Remote sump tanks can eliminate other methods of freeze protection and are often installed indoors in a heated space to prevent freezing of the recirculating water during cold weather operation. Adding a remote sump tank can simplify water treatment for multiple cell installations and facilitate dry operation of closed circuit cooling towers and evaporative condensers by eliminating the need to drain the cold water basin when switching from wet to dry operation.



RS Remote Sump Tanks: For Water Treatment and Freeze Protection

Single Tank Capacity **94-1,390** US Gallons
Maximum Storage Volume

- ▽ Ideal for Freeze Protection
- ▽ Simplify Water Treatment
- ▽ Low Installed Cost
- ▽ Easy Maintenance
- ▽ Long Service Life

Benefits, Custom Features & Options

> Benefits

▶ **LOW INSTALLED COST**

- **SUPPORT STEEL** – All models mount directly on parallel I-beams.

▶ **EASY MAINTENANCE**

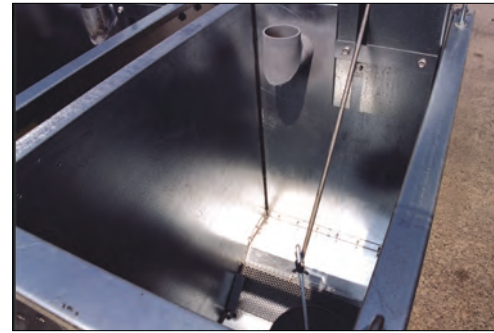
- **INTERNAL ACCESS** – The interior of the unit is easily accessible for adjusting the float valve, cleaning the strainer, or flushing the remote sump tank.

▶ **RELIABLE YEAR-ROUND OPERATION**

- **FREEZE PROTECTION** – For reliable year-round operation, the remote sump tank offers freeze protection when installed indoors in a heated area, eliminating the need to install cold water basin heaters.

▶ **LONG SERVICE LIFE**

- **MATERIALS OF CONSTRUCTION** – Available in galvanized steel or with a thermosetting hybrid polymer.



Internal Access for Easy Maintenance

> Custom Features & Options

▶ **CONSTRUCTION OPTIONS**

• **STANDARD CONSTRUCTION**

G-235 hot-dip galvanized steel is the heaviest commercially available galvanized steel, universally recognized for its strength and corrosion resistance. To assure long-life, G-235 hot-dip galvanized steel is used as the standard material of construction for all units. All exposed cut edges are protected with a zinc-rich coating after fabrication to ensure the zinc rich corrosion barrier is maintained for all over protection. With proper maintenance and water treatment, G-235 galvanized steel products will provide an excellent service life under the operating conditions normally encountered in comfort cooling and industrial applications.

• **THERMOSETTING HYBRID POLYMER (OPTION)**

A thermosetting hybrid polymer coating used to extend equipment life, is applied to select hot-dip galvanized steel components of the remote sump tank. The thermosetting hybrid polymer has been tested to withstand 6,000 hours in a 5% salt spray without blistering, chipping, or loss of adhesion.

▶ **HOT WELL/COLD WELL ARRANGEMENT (OPTION)**

A water tight center baffle is provided, along with additional suction and drain connections and strainer, for separate storage of hot and cold water. This arrangement is provided with a single make-up assembly. The hot well/cold well arrangement is frequently used with highly variable loads to even out the load put on the evaporative cooling equipment.

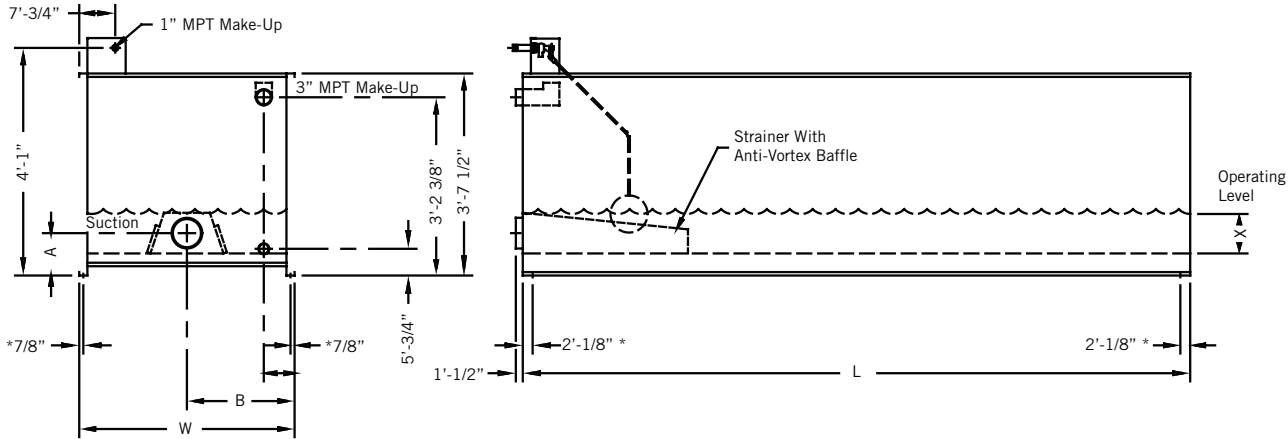
▶ **ELECTRIC WATER LEVEL CONTROL (OPTION)**

BAC Electric Water Level Controls (EWLC) are state-of-the-art conductivity actuated, probe type liquid level controls. The hermetically sealed EWLC is engineered and manufactured specifically for use in evaporative cooling systems and are equipped with an error code LED which illuminates to indicate status, including when the water and/or probes are dirty. The EWLC option replaces the standard mechanical make-up valve. EWLC is recommended when more precise water level control is required, in areas that experience sub-freezing conditions, and where the incoming supply water pressure is outside the normal 15 to 50 psig pressure range of the standard mechanical make-up valve.

▶ **TANK COVERS (OPTION)**

Covers with lifting handles are available.

Engineering Data



Model Number	Shipping Weights (lbs)	Maximum Weight (lbs) ^[1]	Maximum Storage Volume (gal)	"X" Minimum Operating Level ^[2]	Net Available Volume (gal)	Dimensions				Suction MPT
						W	L	A	B	
RS 94	240	1,070	94	8 1/2"	72	1'-11"	3'-1"	8"	1'	4"
RS 212	350	2,220	212	8 1/2"	163	3'-11"	3'-1"	8"	2'	4"
RS 335	470	3,410	335	8 1/2"	257	3'-11"	4'-7"	8"	2'	4"
RS 457	610	4,630	457	8 1/2"	351	3'-11"	6'-0"	10"	2'	6"
RS 702	800	6,970	702	8 1/2"	539	3'-11"	9'	10"	2'	6"
RS 946	1,030	9,340	946	8 1/2"	727	3'-11"	12'	10"	2'	6"
RS 1390	1,260	13,470	1,390	8 1/2"	1,068	5'-7"	12'	10"	2'-10"	6"



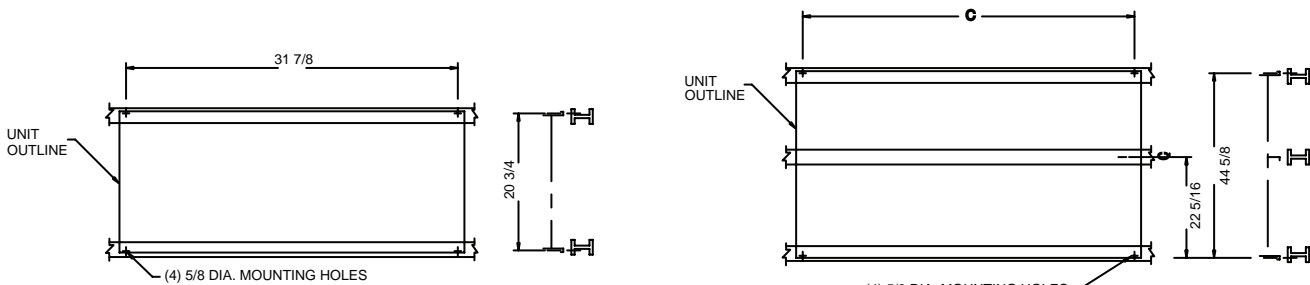
NOTES:

1. Maximum weight is for tank filled with water to spillout.
2. Minimum operating level "X" is measured from inside bottom of tank.

Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase.

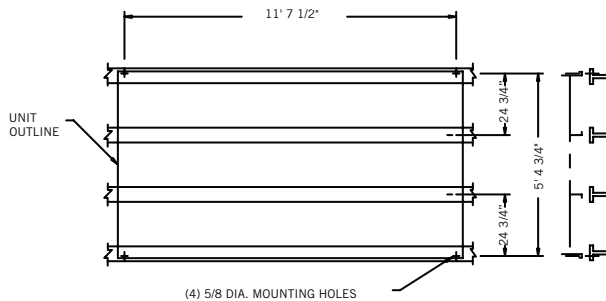
Structural Support

The recommended support arrangement for the RS Remote Sump Tank consists of parallel structural members running the full length of the unit, spaced as shown in the following drawings. In addition to providing adequate support, the members also serve to raise the unit above any solid foundation to assure access to the bottom of the unit. To support a RS Remote Sump Tank in an alternate support arrangement, consult your local BAC Representative.



RS-94

RS-212 thru 946



RS-1390

Model Number	C
RS 94	—
RS 212	2'-8"
RS 335	4'-2"
RS 457	5'-8"
RS 702	8'-8"
RS 946	11'-8"
RS 1390	—



NOTES:

1. Support members and anchor bolts shall be designed, furnished, and installed by others.
2. Design of support members and anchor bolts shall be in accordance with the strength and serviceability requirements of the applicable building code and project specifications.
3. Support members shall be level at the top.
4. Refer to the certified unit support drawing for loading and additional support requirements.