



RHOMAR WATER

Heat Transfer Fluids • Hydronic System Solutions

Hydro-Solv™ 9100

Hydronic System Cleaner for Closed Loop Heating & Cooling Systems

- *Specially Formulated for Hydronic Systems*
- *Safe on All Hydronic System Components When Used As Directed*
- *Effectively Cleans Aluminum, Iron, Copper, Brass and Stainless Steel*
- *Concentrated, 1 Gallon dilutes to 50 Gallons of System Volume*
- *Cleans Solder Flux, Cutting Oil, Rust and Dirt from New Systems*
- *Removes Scale and Corrosion Products From Fouled Systems*
- *Recovers Lost Operating Efficiency. A Clean System Lowers Heating Bills*
- *Removes Bacteria*
- *Contains No Acids or TSP*
- *Biodegradable and Environmentally Friendly*



Available in a variety of container sizes.

Rhomar Water, 2103 E Rockhurst St., Springfield, MO 65802
1-800-543-5975 • www.RhomarWater.com



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DESCRIPTION:

Hydro-Solv™ 9100 is a concentrated triple-action hydronic system cleaner, dispersant and corrosion inhibitor for all types of closed loops, ground source geothermal and solar heating systems. When used as directed, **Hydro-Solv™ 9100** is safe for aluminum boilers and will quickly remove accumulations of scale, corrosion, organic material, flux residue, cutting oils, dirt and biological contamination.

ADVANTAGES:

Hydro-Solv™ 9100 is the product of choice for online and new installation cleanup jobs. It is recommended that all new hydronic systems be cleaned and passivated with **Hydro-Solv™ 9100** prior to putting the system in service. It will penetrate and disperse a broad range of mineral and organic foulants and help recover lost efficiency in older fouled and corroded systems. In addition, **Hydro-Solv™ 9100** contains corrosion inhibitor additives that will help protect system metals during the cleaning process. When used as directed, it effectively cleans iron, copper, aluminum, brass and stainless steel. **Hydro-Solv™ 9100** will not harm flexible tubing and contains no acids or Trisodium Phosphate (TSP).

DIRECTIONS:

1. Open all zone valves on system to be cleaned.
2. Thoroughly flush the system with water to remove as many contaminants as possible. Continue to run the water through the system until it appears clean.
3. Add **Hydro-Solv™ 9100** cleaner to the system at a rate of 1 gallon per 50 gallons of system water. When used as directed **Hydro-Solv™ 9100** is safe to run through the boiler during the cleaning process.
4. Cleaning:
 - a. New Installations: Circulate **Hydro-Solv™ 9100** cleaner 4 to 6 hours, then flush the system with water until it becomes clear. Continue to flush the system until the pH is the same as that of the makeup water.
 - b. Existing Installations:
 - I. Non-Aluminum Boilers: Circulate for several days or until water becomes visibly fouled, then flush until clear. Older systems with black iron pipe may require additional cleaning to remove all the debris. Repeat the cleaning process until water remains clear. Thoroughly flush to remove cleaner and continue to flush the system until the pH is the same as that of the makeup water.
 - II. Existing Aluminum Boilers: Cleaning time should be limited to 8 hours when circulating through an aluminum boiler. This restriction can be avoided by bypassing the boiler. After cleaning, be sure to flush the system with makeup water until the fluid pH is 8.0 or below. This will help to ensure that all of the old fluid and cleaning solution are removed. (Note: The low pH range will be limited to makeup water pH.)

NOTE: Heating the system to operating temperature will improve results.

5. After cleaning and flushing, add **PRO-TEK®** corrosion inhibitor treatment or **RhoGard™**, an aluminum and stainless steel safe, multi-metal inhibited Glycol for long term freeze and corrosion protection.

ATTENTION:

Variations of product color may be caused by manufacturing conditions, UV or sunlight exposure, or mixing with chlorinated water.

CAUTION:

Avoid contact with skin or eyes. Do not take internally. See SDS for more information.

REORDERS:

Call 1-800-543-5975 or visit our website at www.RhomarWater.com.