STAINLESS STEEL RESIN TRAPS

STANDARD FEATURES:

- Custom Design to meet Flow Rate & Pipe size requirements.
- Clean Trap Pressure Drop of Less Than 2 psi
- 304 or 316 SS Construction
- 316 SS Wedge Wire Slot Openings of 0.010 inches
- Acrylic Tube or Borosilicate Glass for Clear Viewing
- Blowdown Ball Valve for Easy Media Removal

ADVANTAGES:

- Simple Insurance Against Catastrophic Plant & Product Damage
- Prevents Downstream Contamination With Media
- Protects Downstream Pumps,Tanks, RO & other Equipment From Damage
- Impedes Media Loss During Backwash Cycle
- Materials Selected to Maintain Water Quality and Long Service

CUSTOM DESIGN STAINLESS

Res-Kem is now offering custom designed stainless steel resin traps to our PVC and CPVC Resin Trap product line. Install a resin trap. Like insurance, do not wait until catastrophe strikes to see the value.

Why You Need a Resin Trap

Many water treatment processes use small granular, plastic, powdered, pelletized and/or crystalline media in a pressure vessel. Over the years, complex screens, slotted pipes, perforated plates, molded devices, etc. have been engineered to keep the media in the vessel. Through corrosion, chemical attack, thermal damage, rapid flow changes, system age and/or water hammer, these distribution systems will be damaged.

When the distribution systems are damaged, the ion exchange resin or other media will get into the water distribution system contaminating and/or destroying downstream RO membranes, expensive membrane filters, pumps, tanks, piping, processes and any product touched by this contaminated water.

What Is A Resin Trap?

A resin trap is a simple, protective sieving device to insure ion exchange resin or other filtration media does not leave the water treatment equipment, and travel downstream where it doesn't belong. It offers a stainless steel wedge-wire screen with slots small enough to retain upstream ion exchange resins or other filtration media. The number and size of the openings are designed to keep the pressure drop to a ΔP=2 psi at the rated flow rate. A clear acrylic sleeve or borosilicate glass will visually indicate whether there is an upstream problem. A small ball valve allows for recycling of resin or media after the problem has been repaired.

Since the slots in the wedge wire are 0.010 inches, 254µ, a resin trap protects, but does not replace, downstream cartridge filters, bag filters, membrane filters, etc. which generally have a much lower micron ratings.

Where Should You Install a Resin Trap?

A resin trap should be installed in the product water line of most resin and media based water treatment equipment like:

Softeners	Dealkalizers	Condensate Polishers
Demineralizers	Carbon Filters	Sand Filters
Portable DI Tanks	Greensand Filters	Multi-Media Filters

A resin trap should be considered in the backwash lines of most ion exchange and carbon systems because temperature related flow changes can cause these expensive materials to be sent down the drain.

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