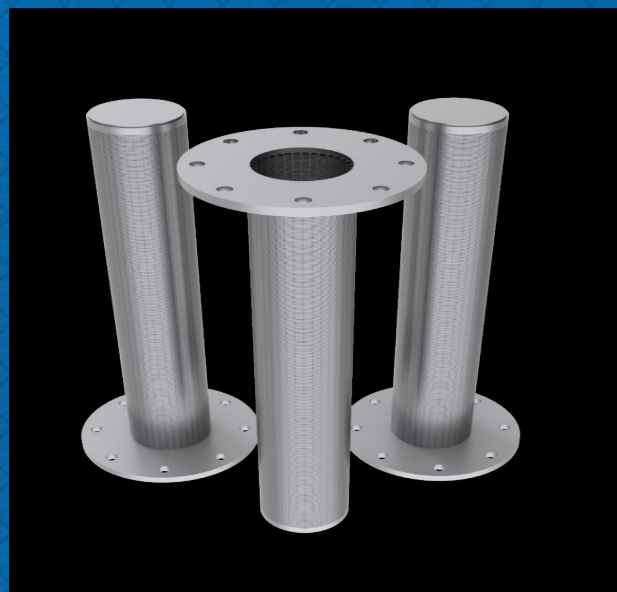


# Resin Trap

## A safety assurance to prevent media loss

The resin trap is designed to be installed at the outlet of the filter body, capturing media and resin to prevent them from moving downstream. The structure is simple, with one end of the wedge wire screen tube closed and the other end connected by a welded flange fitting, making installation and maintenance convenient. With a wedge wire design, continuous slots, and smooth surface, it ensures unobstructed fluid flow and supports both FITO (Flow In To Out) or FOTI (Flow Out To In) filtration methods. Height is customizable to suit various fluid and environmental requirements. Choosing our resin trap means selecting an efficient, durable, and easy-to-maintain fluid processing solution that enhances system performance and reliability.



## Technical Information

• <b>Materials</b>	SS 304, SS 304L, SS 316, SS 316L, SS 321, Duplex, Hastelloy, etc.
• <b>Screen Diameter</b>	25 - 500 mm
• <b>Length</b>	up to 3000 mm
• <b>Slot size</b>	20 micron to 3000 micron (tolerance: $\pm 5$ micron)
• <b>Connection type</b>	Commonly is flange, some are threads
• <b>End type</b>	Closed plate
• <b>Customization</b>	Special slot sizes and configurations can be customized as your request.

## Advantages

*Choose a resin trap to ensure the smooth operation of water treatment processes.*

- Prevents expensive ion exchange resin loss
- Protects pumps and crucial downstream equipment
- Precise slot sizes and open area for efficient particle capture, reducing flow restriction
- Can withstand high temperatures, suitable for hot liquids or gases
- Good machinability, easy to install, and integrate into existing systems

## Applications

*Resin traps are widely used in scenarios such as resin retention and media treatment.*

- Seawater desalination in industrial water uses
- Running water treatment and softening processes in domestic water
- Condensate polishers
- Softeners
- Carbon filters
- Dealkalizers, demineralizers