

# "Y" STRAINER

The "Y" Strainer is used for filtration of control fluid with standard potable water quality and standard maintenance.

## Features

- Self contained, line pressure operated
- Quick and positive operation
- Weather proof
- No cover needed, suited for outdoor installation

## Approvals

UL Listed

Optional: FM Approved

## Materials

Gong: Aluminum

Housing: Aluminum

Fasteners: Galvanized Steel

Impeller: Delrin

Nozzle: Brass

## End Connections

Inlet: 3/4" BSPT (F)

Outlet drain: 1" BSPT (F)

## Operation:

When a Deluge Valve is activated, water flows through the valve's trim, supplying water pressure through the strainer and into the water motor inlet. From the inlet, the water flows through a nozzle [2] which directs the stream to the impeller [3]. The stream turns the impeller and drive shaft [4], causing the striker arm [5] to rotate and strike the gong, thus producing a continuous alarm. The water is discharged through a 1" (25 mm) drain outlet at the bottom of the impeller housing. The discharged water must be piped through the wall to the atmosphere or to a suitable open drain.

