



# V520-55-C700

Diffuser

Valcor Nuclear

## DESCRIPTION

The V520-55-C700 Diffuser is the butt-weld version of Valcor's family of high-pressure-drop diffusers. It can be used individually or as a multi-stage orifice plate system of two or more units placed in series to eliminate the damage that is caused by control valve cavitation.

## APPLICATION

- These diffusers can be used for any flow-restriction orifice service.
- To protect a steam trap and its downstream piping from early failure caused by flashing
- To protect a desuperheater spray valve and its downstream piping from any early failure caused by cavitation
- To reduce the noise from a steam vent or safety valve

## FEATURES

- Machined from forged, stainless steel
- Multiple-hole, straight couplings are sufficiently strong to withstand the fluid's maximum working pressure
- The quantity and size of the holes are calculated for optimum performance and strategically placed to obtain maximum noise reduction and energy dissipation

## SPECIFICATIONS

- Material: ASME-SA479, Type 316 Stainless Steel
- Sizes: 3/4" to 4"
- Pressure rating: ANSI Class 6000



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