

Information essential for the design of a diffuser:

Type of fluid (steam, gas etc)

Molecular weight of the fluid

Flow rate in kg per hour

Conditions before the control or relief valve

- Pressure
- Temperature

Conditions after the control or relief valve but before the diffuser

- Pressure
- Temperature

Conditions after the diffuser

- Pressure
- Temperature

Size and type of valve

Unsilenced noise level in Lw or Lp

Required silenced noise level

Pipe size after the diffuser

Design code (PED, ASME VIII div 1 etc)

Additional information

Design code piping

Required inlet connection:

- Flange size
- Flange rating
- Type of flange

Materials of construction

Lifting lugs

Required external surface treatment of the diffuser