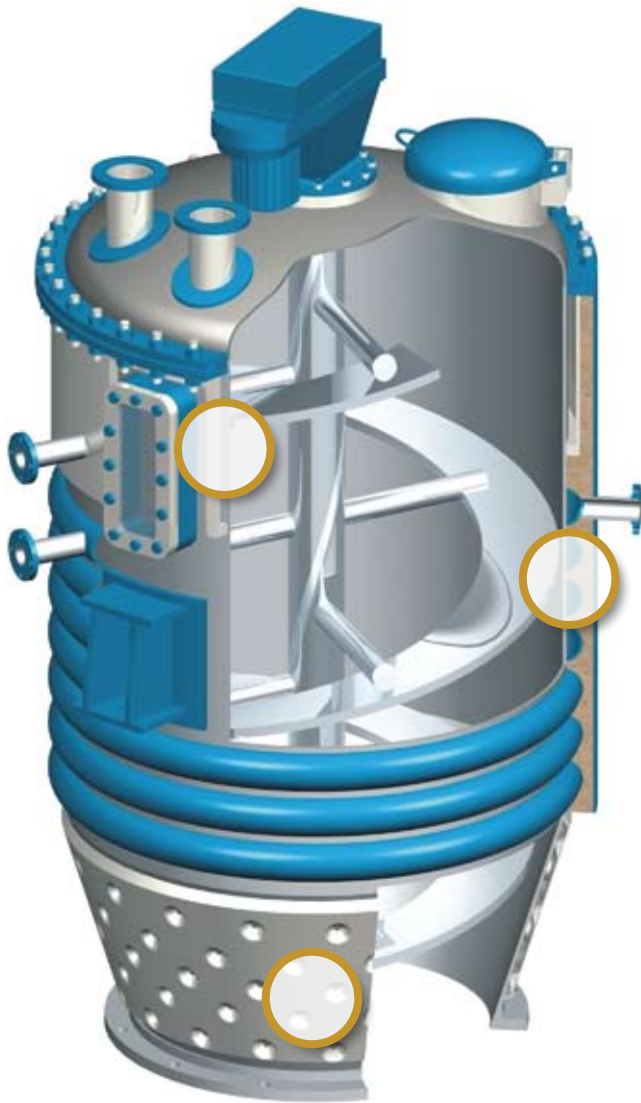


PROCESS JACKETS



R-V Industries' ASME Code pressure vessel jackets are designed, fabricated and tested to Section VIII standards. Choose from conventional, dimple, or half-pipe jackets to best suit your heat transfer needs.



**CONVENTIONAL
HALF-PIPE
DIMPLE**

Select a jacket by the intended process operating criteria, including:

- Size and operating capacity of the vessel.
- Material type selected for the product wetted surfaces of the vessel.
- Product side design pressure and temperature.
- Product processing requirements (heat input, heat removal, or both).
- Heat transfer media (steam, water, glycol, oil, or Dowtherm Vapor).
- Jacket side design pressure and temperature of the heat transfer media(s).
- Quality of the heat transfer media.

Contact our experienced sales team for assistance with your selection.



Conventional

- Use of plate material, carbon steel is standard
- Capable of large volumes of heat transfer media and increased flows
- Low media pressure drop
- Steam, water and most heat transfer medias
- Best suited for small vessels
- Separate jacket sections

Dimple

- Use of gauge stock for jacket
- Stainless and high alloys commonly used
- High jacket pressures permitted without significant increase of process side thickness
- Steam, water and most heat transfer medias
- Efficient heat transfer at low media flow
- Process side nozzles easily penetrated
- Less total weight permits efficient heat transfer
- Less weight reduces sizing of structural supports



Half-Pipe

- Use of gauge stock or plate for jacket
- Stainless and high alloys commonly used
- High jacket pressures permitted without significant increase of process side thickness
- Steam, water and most heat transfer medias
- High media flow with low-pressure drop
- High heat transfer film coefficient
- Ease of multiple zones without weight gain
- Less total weight permits efficient heat transfer
- Less weight reduces sizing of structural supports