

Technical Information: Baffles



FEATURES OF GNB'S DESIGN

- Stops 99% of oil backstreaming with its five bounce design and a cryogenic temperature.
- Increases water-vapor pumping speed.
- Leading supplier to all industries that use diffusion pumps.
- Tube [fittings](#) available per customer's request.
- Holds weight of diffusion pump, cryopump or turbo pump.

STANDARD MULTI-COOLANT BAFFLES OPTIONS

- 304 stainless steel outer housing
- Bead-blast finish
- 5 bounce copper chevrons
- Uniform tubing layout design for more efficient cooling
- Design for chilled water, flowing LN and closed loop cryo-chillers (Polycold™, Telemark™)
- Flangeless design
- Leak checked to $<1 \times 10^{-9}$ std cc/sec He
- Designed and cleaned for 10^{-8} Torr operation

ADDITIONAL MULTI-COOLANT BAFFLES OPTIONS

- Polished (grained) inside or outside finish
- Electro-polish finish
- Flange design available
- Flanges to match mating components
- Roughing ports
- Rectangular and unique shapes
- Aluminum or Stainless steel chevrons