

Bolted Closure Reactor Assembly Instructions



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Bolted Closure Reactor

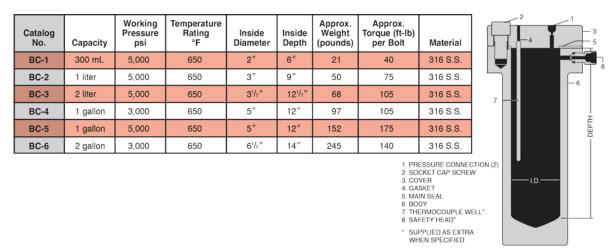
Description:

The Bolted Closure Reactors are designed for use up to 650°F (343°C) at the working pressures indicated. Standard material for the body, cover and gasket is Type 316 stainless steel. Standard O-rings may be used in place of the metal gasket when temperatures permit.

Standard connections include two high pressure (coned and threaded) tubing connections for 1/4" O.D. tubing (HF4) located in the cover. Contact factory if other connections and/or locations are preferred.

Other items available include:

- Heating mantle. Removable quartz fabric cylinder column type. 110 volt, single phase. Bolted closure reactors are supplied with mounting bolt holes on the bottom surface.
- Thermowell for use with 1/16" thermocouple.
- Safety head located in side flange with rupture disc.



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Bolted Closure Reactor Operating Instructions:

General Information:

The simple closure design consists of either a metal or an elastomer seal ring located in a groove in the body. The sealing is achieved by clamping the cover in place by means of cap screws.

Assembly Instructions:

- 1. Lubricate cap screws with process compatible lubricant, such as SS Jet Lube or Molylite Paste.
- 2. Install gasket into machined groove in body, a thin film of Krytox grease can be applied to the gasket.
- 3. Carefully place the cover on top of the gasket, making sure that the holes on the cover align with the hole on the body.
- 4. Place cap screws into the holes of the cover and thread into body until hand tight.
- 5. Snug up bolts.
- 6. Tighten to 20% of target torque using cross pattern.
- 7. Tighten to 50% to 75% of target torque cross pattern.
- 8. Tighten 100% of target torque using cross pattern.
- 9. Continue tightening to 100% of target torque using rotational pattern until no movement.