

DRAIN VALVE ASSEMBLY INSTRUCTIONS

CG-1968-Q-20 SMALL DRAIN VALVE, ZERO DEAD SPACE, DETACHABLE

Our detachable zero dead space drain valve has two Perfluoro o-rings installed on the shaft and one Perfluoro o-ring installed on the tip. A FEP encapsulated silicone o-ring is also supplied for attachment to the tip in low temperature applications. The drain valve is connected to the reactor by a unique 1-1/2" beaded pipe valve seat and has a 3/4" beaded pipe side arm. **PLEASE NOTICE TEMPERATURE LIMITATIONS ON O-RINGS AND RECOMMENDED TORQUE SETTING FOR BEADED PIPE COUPLINGS LISTED BELOW BEFORE USING THIS VALVE.**

| <u>O-Ring Material</u> | <u>Color</u> | <u>Temperature Range (°C)</u> | <u>Beaded Pipe Coupling</u> | <u>Recommended Torque Setting</u> |
|------------------------|--------------|-------------------------------|-----------------------------|-----------------------------------|
| Perfluoro | Black | -7 to 230 | 3/4" | 25 in-lbs |
| FEP-Silicone | Orange | -62 to 205 | 1-1/2" | 50 in-lbs |

Attaching the valve to the reactor:

- A. Wet coupling and the beaded pipe ends, on the reactor and valve, with water
- B. Snap the coupling over the valve seat on the reactor
- C. Snap the valve assembly into other side of the coupling. Plug must be in the open position
- D. Tighten the coupling with a torque wrench to the recommended torque setting

***** PLEASE NOTE: PLUG MUST BE IN THE OPEN POSITION TO INSTALL OR REMOVE *****

