

## C2000 CRYOGENIC VALVE SERIES

# Model C2161-M21

- 2" IPS Pipe Size Cryogenic Valve
- Manual Operation
- Vacuum Jacketed
- Globe Style Body

## FEATURES

- Low Handle Torque for Bubble Tight Shutoff
- Stainless Steel Stem & Threads
- Redundant Stem Seals
- Cryogenic Stem Packing
- Brass Bonnet
- Redundant Cryogenic Bonnet Seals
- Bonnet Purge Port (Thermal Relief Location)
- All Stainless Steel Body
- Close Tolerance Horizontal Operation OK
- MLI on Jacketed Valves
- Brass Plug
- Plug to Stem Stabilizer
- KEL-F Seat Seal
- Contoured Flow Plugs Available

## TECHNICAL DATA

- 300 PSI MAWP (Maximum Operating Pressure)
- Seat Seal Bubble Tight @ 150 PSIG
- Packing Mass Spec Tested @  $1 \times 10^{-5}$  Torr
- Leak Rate Below  $1 \times 10^{-9}$  CC GHe/SEC
- Heat Leak: 27.3 BTU/HR to 20°k
- Cooldown Mass: 10.2 Pounds
- Options:
  - Cold Box Jacket
  - Pneumatic Actuators
  - Purge Port

## APPLICATIONS

- Vacuum Jacketed Piping
- Cold Boxes
- Manifold and Tank Systems
- Liquid Nitrogen, Argon and Oxygen Service (with Proper Cleaning)

