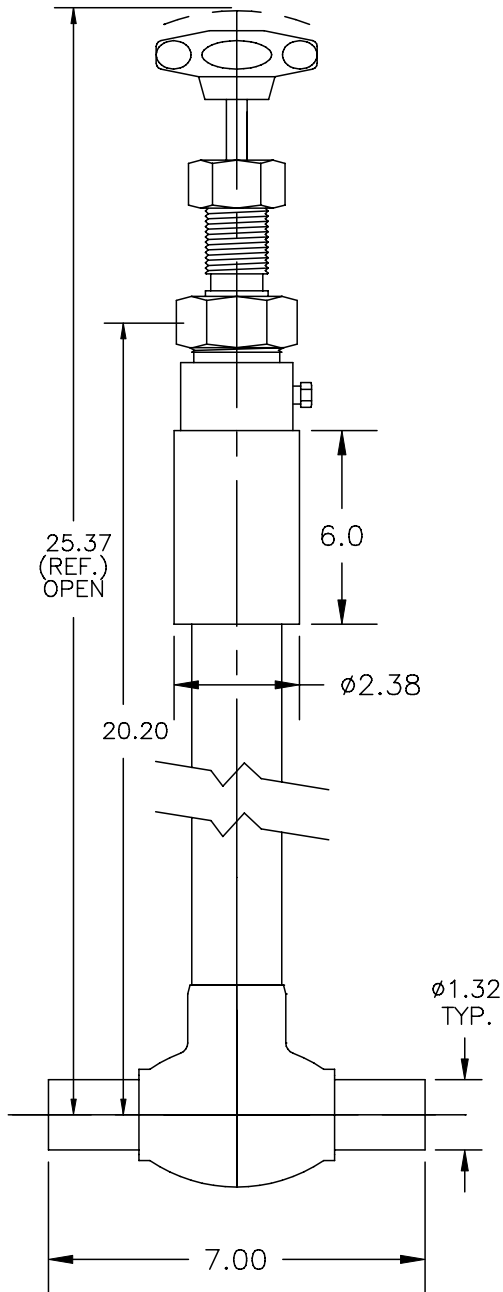


## C3000 LIQUID HELIUM VALVE SERIES

# Model C3081-M23

## • 1" IPS Cryogenic Liquid Helium Globe Valve with Cold Box Jacket



## FEATURES

- Low Handle Torque for Bubble Tight Shutoff
- Stainless Steel Stem & Threads
- Redundant Stem Seal
- Cryogenic Stem Packing
- Brass Bonnet
- Redundant Cryogenic Bonnet Seal
- Bonnet Purge Port (Thermal Relief Location)
- All Stainless Steel Body & Stem
- Tight Fit Stem
- Brass Plug
- Plug to Stem Stabilizer
- KEL-F Seat Seal  
w/ Locked Thread Insert

## TECHNICAL DATA

- 300 PSIG MAWP  
450 PSIG Proof
- Seat Seal Bubble Tight @ 150 PSIG
- Packing Mass Spec Tested @  $1 \times 10^{-5}$  Torr Vacuum. Leak Rate Below  $1 \times 10^{-9}$  CC GHe/SEC
- Heat Leak : 6.25 BTU/HR to 20° K
- Options: Purge Port, Cold Box Jacket, Pneumatic Actuators
- Cooldown Mass 3.80 Pounds

## APPLICATIONS

- Vacuum Jacketed Piping
- Cold Boxes
- Helium Transfer Lines
- Helium Liquefiers



**CRYOGENIC VALVES and VACUUM COMPONENTS**

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