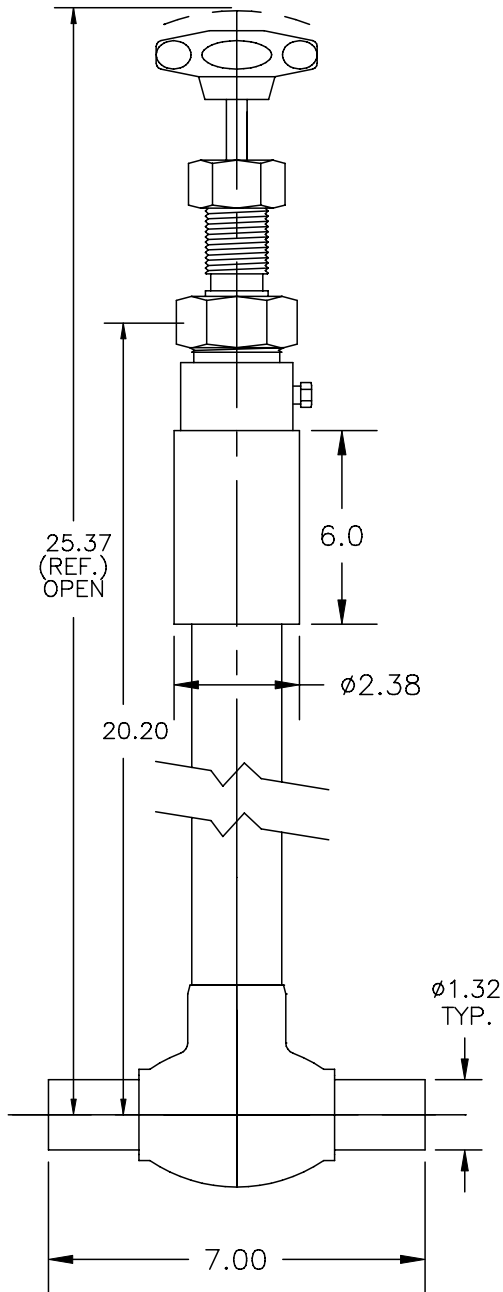


## C3000 LIQUID HELIUM VALVE SERIES

# Model C3081-M23

- 1" IPS LHe Globe Valve
- Cold Box Cuff Or Jacketed
- Manual Operation
- Globe Style Body



## FEATURES

- Low Handle Torque for Bubble Tight Shutoff
- Redundant Stem Seal
- Cryogenic Stem Packing
- Brass Bonnet
- Redundant Cryogenic Bonnet Seal
- Bonnet Purge Port (Thermal Relief Location)
- All Stainless Steel Body & Stem
- Cold Box Cuff (Full Jacket Available)
- MLI on Jacketed Valves
- Brass Plug
- Low Thermal Conductivity Stem and Support Tube
- Brass Plug
- Plug to Stem Stabilizer
- KEL-F Seat Seal w/ Locked Thread Insert
- Contoured Flow Plug Available

## TECHNICAL DATA

- 300 PSIG MAWP  
450 PSIG Proof
- Seat Seal Bubble Tight @ 150 PSIG
- Packing Mass Spec Tested @  $1 \times 10^{-5}$  TORR
- Leak Rate Below  $1 \times 10^{-8}$  CC GHe/SEC
- Heat Leak: 6.25 BTU/HR (1.8 WATTS)
- Cooldown Mass: 3.25 Pounds
- Options:  
Bonnet Purge Port  
Full Jacket  
Pneumatic Actuator  
Flow Plugs

## APPLICATIONS

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



**CRYOGENIC VALVES and VACUUM COMPONENTS**

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