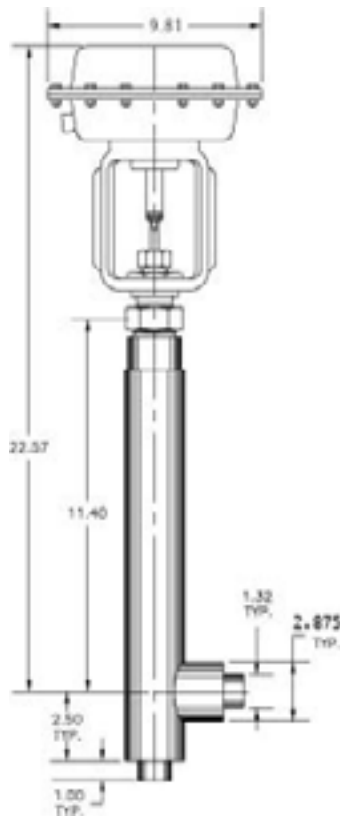


C2000 CRYOGENIC VALVE SERIES

Model C2082-A21

- 1" IPS Pipe Size Cryogenic Valve
- Actuated
- Vacuum Jacketed
- Right Angle Style Body



FEATURES

- Pneumatic Actuator Air To Open
- Stainless Steel Body, Stem and Threads Redundant Stem
- Seal
- Cryogenic Stem Packing
- Brass Bonnet
- Redundant Cryogenic Bonnet Seal
- Bonnet Purge Port (Thermal Relief Location) Tight Fit Stem
- MLI on Jacketed Valves
- Brass Plug
- Plug To Stem Stabilizer
- KEL-F Seat Seal w/ Locked Thread

TECHNICAL DATA

- 300 PSI MAWP (Maximum Operating Pressure)
- Seat Seal Bubble Tight @ 150 PSIG
- Packing Mass Spec Tested @ 1×10^{-5} Torr
- Leak Rate Below 1×10^{-9} CC GHe/SEC
- Heat Leak: 10.4 BTU/HR To 20° K
- Cooldown Mass: 1.75 Pounds
- Options:
 - Cold Box Jacket
 - Manual Operation
 - Relief Valve
 - Flow Plugs

APPLICATIONS

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



CRYOGENIC VALVES and VACUUM COMPONENTS

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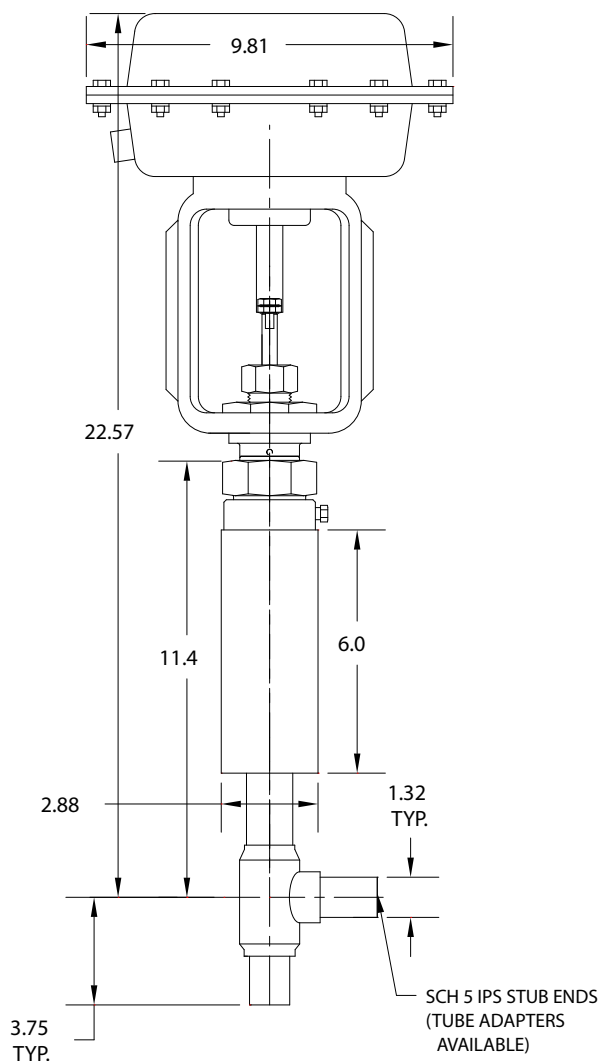
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C2000 CRYOGENIC VALVE SERIES

Model C2082-A23

- 1" IPS Pipe Size Cryogenic Valve
- Actuated Operation
- Cold Box Cuff
- Right Angle Style Body



FEATURES

- 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
- Horizontal Operation OK
- MLI on Jacketed Valves
- Brass Plug
- Plug To Stem Stabilizer
- KEL-F Seat Seal w/Locked Thread

TECHNICAL DATA

- 300 PSI MAWP (Maximum Operating Pressure)
- Seat Seal Bubble Tight @ 150 PSIG
- Packing Mass Spec Tested @ 1×10^{-5} Torr
- Leak Rate Below 1×10^{-9} CC GHe/SEC
- Heat Leak: 10.4 BTU/HR TO 20° K
- Cooldown Mass: 3.80 Pounds
- Options:
 - Full Vacuum Jacket
 - Manual Operation
 - Relief Valve
 - Contoured Flow Plug

APPLICATIONS

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



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