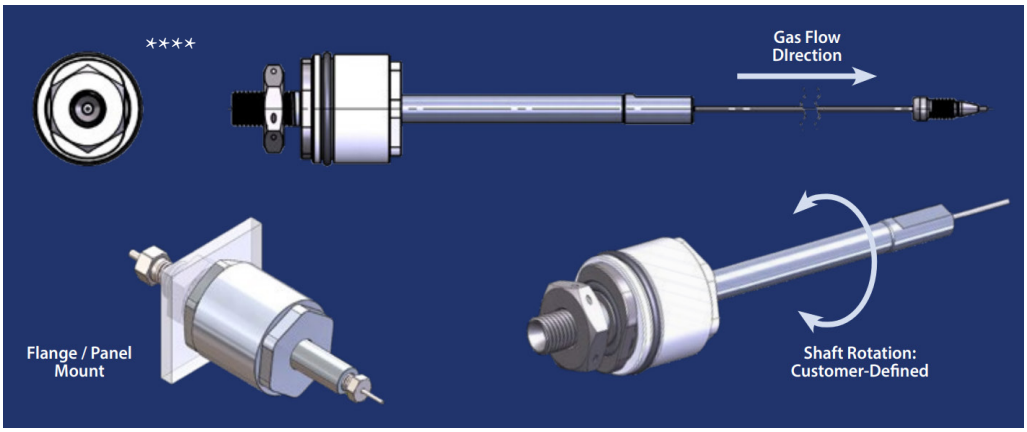
Single-Passage Pneumatic Rotary Joints for Guided Weapons Cooling

Glenair high-pressure Pure Gas Rotary Joint solutions are designed and performance-tested for use in a wide variety of defense and aerospace applications, including cooling of infrared detectors, missile seekers and all high-pressure pneumatic actuation systems.

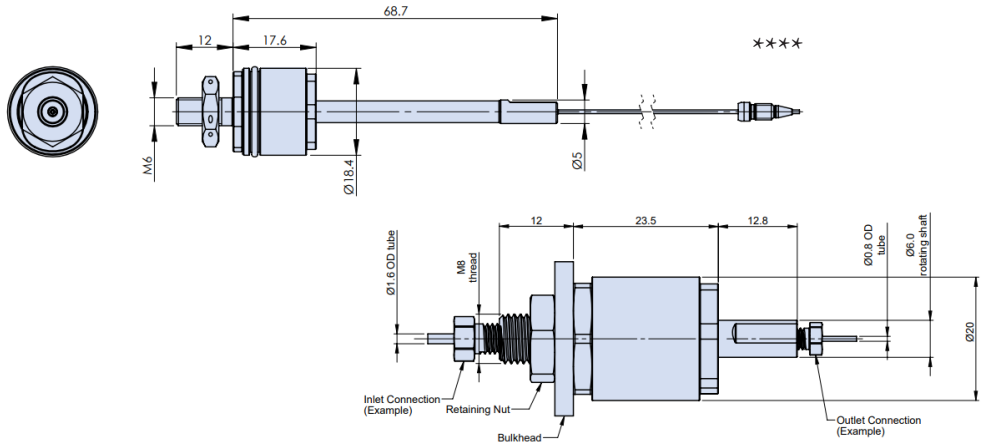
These compact, lightweight rotary devices incorporate small-bore pipe assemblies for low friction and low external-leakage for Pure Gas Rotary applications.



WHY ORDER FROM GLENAIR?

- **Free Application Engineering**
  The industry's largest and most experienced engineering team is standing by to assist with non-standard designs and customizations.
- **Delivery**
  Glenair offers the fastest delivery in the business—guaranteed.
- **Quality Control**
  Every gas tube assembly is 100% inspected and tested.
- **Local Support**
  Glenair offers comprehensive worldwide support on your schedule and at your convenience.

DIMENSIONAL DRAWINGS, CUSTOM DESIGN (TOP) AND GENERIC CONFIGURATION



Typical Performance - Lightweight Modular Colling & Actuation Systems	
Flow Rate	Typical Flow Rate is 5 liters per minute (lpm) @ 150 PSI.
Operating Temperature	-65°C +175°C for all applicable mechanical requirements.
Physical Shock	No loosening of parts, cracking or other deleterious results hindering further part operation after 300 G's in each of 3 mutually p7erpendicular planes.
High Impact Shock	All components withstand high impact shock per MIL-S-901.
Vibration	All components withstand high-vibration with no evidence of cracking, breaking or loosening of parts. ****

Typical Performance - Rotary Joints for Guided Weapons Cooling	
Nominal Operating Pressure	480 bar at 20°C
Maximum Operating Pressure	600 bar at 60°C
Operating Temperature	-40°C +60°C for all applicable mechanical requirements ****
Normal Rotation Speed	100 RPM; increasing to 800 RPM
Typical Mass	34 grams