



SYSTEM CONTROLS

Versatility is reality

## FLUID ROTARY JOINT

A rotary joint, also referred to as a rotary union or rotating union. Rotary joints consist of two main components: An inner rotating element and an outer stationary element. It is a mechanical device designed to transfer fluids (like oil, water, or air) from a stationary source to a rotating component. This component is essential in systems where rotational motion and fluid transfer are required simultaneously.



### APPLICATION AREAS

- ◇ The main application is the cooling of radar antennas. Fluid Rotary Joints are commonly integrated into rotary joint systems together with RF rotary joints, FORJ and slip rings.

Part No: SC-SYS-FRJ-A-00-000

### Technical Specification

Maximum pressure of liquid to transfer	: 5 Bar
Maximum temperature of Liquid	: + 55°
Maximum transfer Liquid flow	: 10 LPM
No. of channels	: Dual channel
Media	: Ethylene glycol water mixture
Connections	: Straight
Connection sizes	: 1/4" BSP
Ambient Temperature	: -40° C to +60° C
Housing Material	: Stainless Steel
Weight	: 3.8 kg

### SERVICES

- ◆ Engineering Design & Development
- ◆ System Integration
- ◆ Electronic Testing & Assembly
- ◆ CNC Machining & Manufacturing

### SYSTEM CONTROLS TECHNOLOGY SOLUTIONS

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