

## Installation & Mounting

### PREPARATION:

Remove the rotary union from the shipping container. Inspect the entire assembly, including all passage connections to make sure that they are clean and no visual damage occurred during transport. If the assembly is a rotary union/electrical slip ring, the electrical slip ring may be packaged separately to protect during shipping. If this is the case, mount the electrical slip ring to the rotating union assembly using the supplied hardware.

### RECOMMENDED INSTALLATION PRACTICE:

DSTI does not recommend mounting the rotary union with both the shaft & housing components solidly mounted into place. One of the two components should be mounted in a manner that allows for some movement in the event of misalignment or run-out during rotation. Using only the supply lines or hoses to prevent the stator from rotating is typically not recommended, however the SPS Series features a low-torque design which in most circumstances will allow the supply lines or hoses to act as a means of preventing the stator from rotating. It is recommended to monitor the equipment while running to ensure no hose damage occurs. If the stator is not easily held in place during operation, an anti-rotation arm that attaches to the stationary part of the rotary union and rests against part of the equipment framework may be necessary.

### SHAFT MOUNTING, CONNECTIONS:

When mounting the shaft make sure the fitting is properly tightened so that rotation does not loosen the connection and use pipe thread sealant as required. The fitting needs to be concentric to the center line of the rotary union shaft to assure proper function. See figure 1 for mounting example.

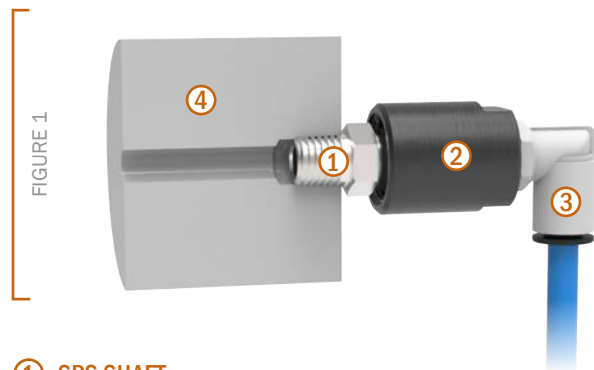
THESE INSTRUCTIONS ARE INTENDED TO BE USED AS A GENERAL GUIDE, PLEASE CONSULT DSTI TO DISCUSS ANY SPECIFIC QUESTIONS RELATED TO YOUR INSTALLATION.

### MOUNTING A ROTARY UNION W/ AN ELECTRICAL SLIP RING:

Make sure the electrical wiring is fixed in place and protected from contact with other components or equipment. Care should be taken to make sure the slip ring area remains clean and dry during use.

### INITIAL START-UP:

After rotary union is installed, a dry run is recommended to assure proper mounting of the rotating union assembly. Begin rotation of the equipment, and verify that while rotating at the maximum operating speed there is no visible movement of the rotary union assembly due to misalignment.



- ① SPS SHAFT
- ② SPS HOUSING
- ③ PNEUMATIC FITTING & LINE EXAMPLE
- ④ CUSTOMER INTERFACE EXAMPLE

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