

# Installation, Use and Maintenance Instructions For Rotary Union Type GB

## SAFETY INSTRUCTIONS

Please follow your company's safety procedures whenever working on Johnson-Fluiten rotary unions and read all of the instructions completely before proceeding. Please refer to the engineer drawings of your Johnson-Fluiten rotary union for part identification. If you have any question, please contact your sales representative or Johnson-Fluiten directly.

## LUBRICATION

### NOTICE

Johnson-Fluiten recommends to use Silicon grease SIL133 or equivalent for all gaskets compounds.

## ASSEMBLY INSTRUCTIONS

### Preliminary check

Before proceeding with assembly verify:

- Rotor housing: diameter and depth of threading
- Rotary joint connection: fittings are suitable for connections

### Rotary joint assembly

- Lubricate threaded connections.
- Clamp slightly the rotary joint body and connect flexible hoses with the joint

### WARNING

Avoid locking of fitting with the rotary joint installed on the machinery shaft. Locking force could produce deformation of the rotor or damage of the ballbearings

### WARNING

Apply soft pads on the clamping device. Avoid excessive clamping which could damage the ballbearings housing.

- Connect the rotary joint with the machinery shaft and with the working fluid circuit.
- Connections shall be with flexible hoses. Avoid short radius on hoses to prevent overloading of the rotary joint ballbearings
- Carry out a manual rotation and verify smooth rotation of the rotary joint.

## FUNCTIONAL TEST

- It is not possible to define in detail the functional test which will depend on the type of installation. Anyway some general suggestions are below specified:
  - start up the machinery
  - operate for at least 5 minutes verifying:
    - Absence of leakage
    - Absence of vibrations or noises produced by the joint
    - Absence of excessive heating of the rotary joint



## MAINTENANCE INSTRUCTIONS

Johnson-Fluiten does not suggest to repair this union onsite. In case of special union customized parts might be restored after evaluation in our maintenance dept.

Please contact Johnson-Fluiten for any assistance.

### Johnson-Fluiten Warranty

Johnson-Fluiten products are built to a high standard of quality. Performance is what you desire: that is what we provide. Johnson-Fluiten products are warranted against defects in materials and workmanship for a period of one year after date of shipment. It is expressly understood and agreed that the limit of Johnson-Fluiten's liability shall, at Johnson-Fluiten's sole option, be the repair or resupply of a like quantity of non-defective product.