

Installation, Use and Maintenance Instructions For Rotary Union Type G/5971 and RH012/5680

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.

WARNING

Ethylene Propylene gaskets must be lubricated with silicon grease. Other types of grease could damage themselves. Do not dispose lubricants in the environment: lubricants are highly pollutive products and must be disposed in the collection centres.

ASSEMBLY INSTRUCTIONS

- Preliminary check

Check the following dimensions before proceed with assembly:

G/5971

Coupling flange number 4 holes diam. 13mm on pitch diameter 110mm with centering diam. 70mmH6

Connections: check on drawing F5971 for complete holes and flanges layout.

RH012/5680

Connections: check on drawing F5971 for rotor connection and inlet hole layout.

- Rotary joint assembly
- Provide fittings fir the connection with the two rotary joints.
- Lift the assembly of two rotary joints over the mating plane, and position it nearby the interface.
- Verify the rotor centerline is aligned with the interface-centerline and the connection are correctly oriented in respect to the plant lines.
- Mount the joints until obtaining the contact between the rotor flange and the interface planes.

WARNING

Take care to avoid the o-rings item ⑪ detachment.

- Align the 4 screw holes and fit the centering diameter 70mm
- Fit and tighten the 4 screws/studs using a cross locking system with proper torque value.
- Connect the rotary joint with plant lines, using flexible rubber tube with proper length to avoid loads and torques applied to the joints.



- Connect pins item ⑳ to the antirotating device paying attention to the gap between the elements

WARNING

Last two points are essentials for correct operations of the rotary joints.

The installation is now complete!

CHECK BEFORE STAR UP

- Pressurize the system at working values without machinery rotation
- Verify that there are no leakages of liquid and gasses from all connections and from the 2 joints.
- Verify that the antirotating pin is fitted with gap inside the antirotating device
- Verify that all connections tubes are flexible enough to ensure the required freedom degrees of the joint body
- Start with rotation verifying there are no vibrations.

CHECK AFTER START UP

After some working hour verify absence of leakage s from joints and from connections

OPERATING CONDITIONS

Verify working limits and details of application on the table of your version of the joint.

- in its housing of the spindle and tighten with a torque of 60Nm.

BEARING LUBRICATION

G/5971

The bearings are greased "for life" and don't need any lubrication RH012/5680

The bearings need to be regreased with Krytox GPL226 or similar:

- Every 5000 working hours for temperature up to 150°C
- Every 2000 working hours for temperature over 150°C

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.

