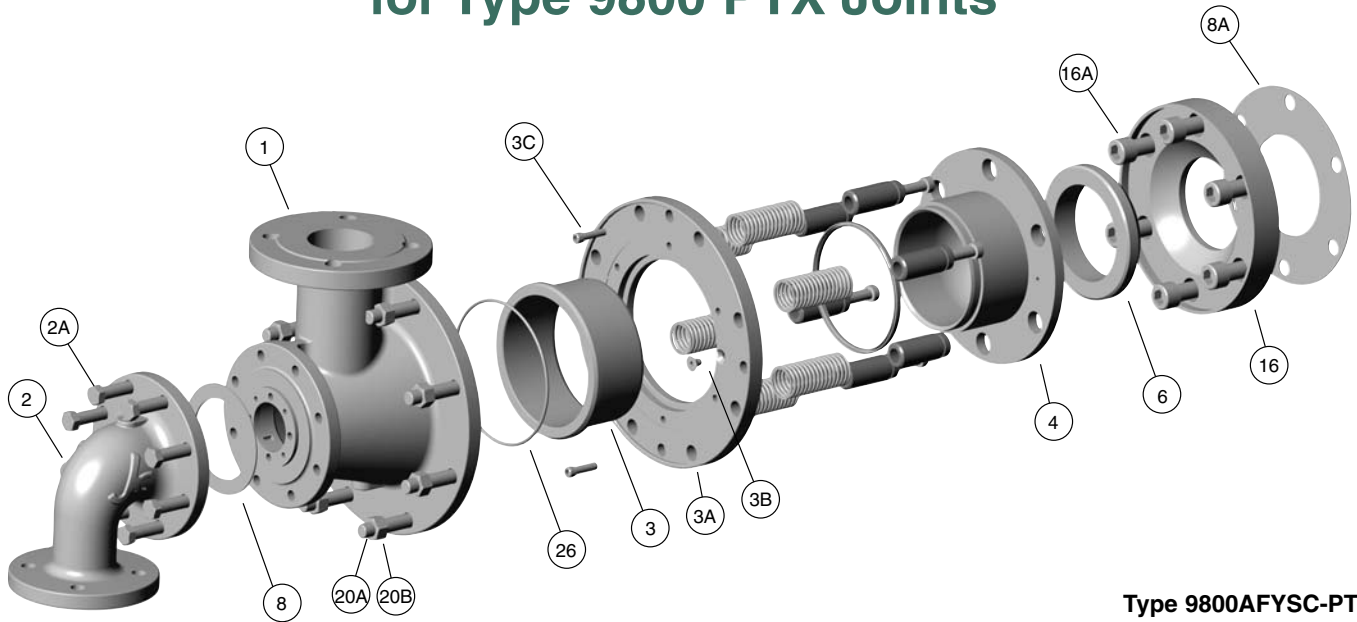


Installation Instructions for Type 9800 PTX Joints



Type 9800AFYSC-PTX

NOTE: Please follow your company's safety procedures whenever working on Kadant Johnson rotary joints. Read all of the instructions completely before proceeding.

Please refer to the assembly drawings supplied with your Kadant Johnson rotary joint for part identification. If you have any questions, contact your Representative or Kadant Johnson.

The 9800 PTX Joint is shipped partially assembled. Disassemble joint, inventory and stage parts prior to installation.

STEP 1.

Remove all existing equipment down to a bare journal. Clean all gasket surfaces. Chase and clean all threaded holes. If necessary remove bearing cover. Note: Some installations may not require removing the bearing cover, please consult your factory representative if you have any questions.

STEP 2.

Various methods are incorporated to support the rotary joint. Most joints are supported by 1) a ring bracket, 2) a ring bracket and bearing cover supplied as one unit, 3) a ring bracket and bearing cover supplied as individual parts.

1. With ring bracket only. Install ring bracket (20). Secure into position using hex head cap screws (20C).

2. With ring bracket and bearing cover as one unit. Make sure the inside bearing area of the cover is clean and free of debris. Apply sealer to the appropriate area of the machine's bearing housing. Slide the bracket/bearing cover unit over the journal and secure into position with the proper size bolts.

3. With ring bracket and bearing cover supplied as individual parts. Make sure the bearing cover is clean and free of debris. Apply sealer to the appropriate area of the machine's bearing housing. Slide the bearing cover over the journal and secure into position with the proper size bolts. Install ring bracket (20) onto bearing cover and secure into position using hex head cap screws (20C).

STEP 3.

Place filler flange (5) and gasket (8B) onto journal. Secure into position using socket head cap screws (5A). Tighten flange screws evenly in a star pattern. In some cases it is necessary to install a second flange also. If required, do so in the above manner.

STEP 4.

Place wear plate (16) and gasket (8A) onto journal flange. Secure into position using socket head cap screws (16A). Tighten wear plate screws evenly in a star pattern using the proper torque.

STEP 5.

Clean the spherical face of the wear plate (16), the flat face of the nipple (4), and the mating surfaces of the seal ring (6). These sealing surfaces must be free of debris, oil, or other contaminants. Place seal ring (6) with its spherical face into the mating surface of the wear plate (16). While holding the seal ring in position, install the end cap/nipple assembly (3, 3A, & 4) onto the ring bracket (20) and secure into position with four socket head cap screws (3C). As the socket head cap screws are tightened, spring force will be applied to the seal ring and the X dimension will be created. The X dimension is $0.5'' \pm 0.25''$ (12 ± 6 mm). When used with CARB bearings, the X dimension is $0.75'' \pm 0.25''$ (19 ± 6 mm). Make sure seal ring (6) is centered on the nipple (4). Please consult factory if the X dimension is incorrect or if the seal ring is not centered properly.

STEP 6.

There are two options for installing the cantilever support tube (H). In both options, the support tube must be installed so that the weld bead on the end of the support tube will be in the 12 o'clock position. The large hollow bolt (J) must be removed and the threads lubricated with never seize.

Option 1. If there is enough clearance between the dryer hood and the journal, you can install cantilever support tube (H) by inserting it through the partially assembled joint and down the journal bore. The plain end of the tube without the taper goes into the journal first. Leave the tapered end of the

