INSTALLATION, OPERATION AND MAINTENANCE MANUAL
STABILIZED CONNECTOR WITH VALVE - 07_01_06
AX6STX6S

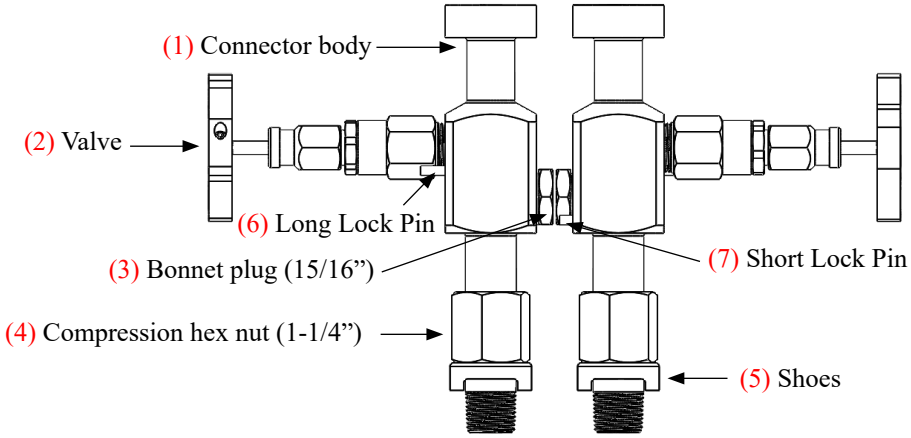
1.0 Intended Use:

This procedure is solely for the purpose of mounting suitable equipment to an AXIS Stabilized Connector with valve. Any other use or modification is not permitted and discharges the manufacturer of liability.

2.0 Precautions:

► Maximum operating temperature and pressure should be checked with all equipment installed in the system. This includes but is not limited to seal or dielectrics if applicable.
► Never remove bolting while valve or equipment is pressurized. Uncontrolled release of process medium can occur resulting in damage and/or injuries.
► Install only on depressurized equipment and ensure that the equipment cannot start or hold pressure inadvertently.
► Incorrect installation can cause the equipment to not function as designed causing damage to equipment or operating personnel.

3.0 Stabilized Connector Components:



4.0 Maintenance:

► No maintenance is normally required. Regular testing of connection tightness can be carried out. If necessary, retighten the bolts while the equipment is depressurized.
► For re-installation, new PTFE or graphite seals are required. O-rings can be reused but must be inspected for defects.

5.0 Installation Preparation:

► PTFE tape must be wrapped in proper direction on all MNPT connections. For re-installation, new PTFE tape must be used.
► Accessibility and necessary label viewing should be ensured when determining mounting location.

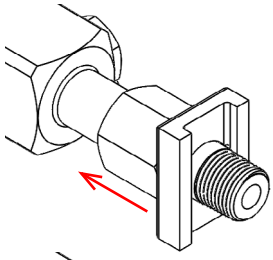
6.0 Operation:

The valves are actuated using the handles. Turning the valve clockwise will close or shut off the valve and turning the valve counterclockwise will open the valve. Always fully open or fully close the valve using only hand force, mechanical aids should not be used. Overtightening can lead to damage of internal parts.

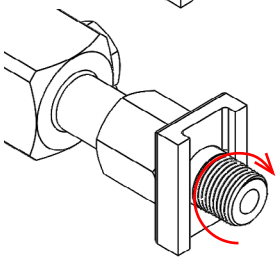
7.0 Installation Procedure:

1. Check that the equipment where installation is occurring is rigid and secure. Ensure that all parts, including the flange connections and grooves, are clean and debris free.

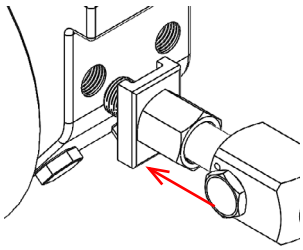
2. Prior to installation, raise the (4) compression nut of both stabilizers so that the (5) shoes do not cover the MNPT inlet.



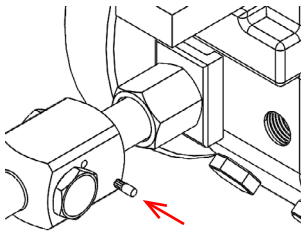
3. Wrap PTFE tape on the MNPT thread in a clockwise direction, ensuring the start thread is completely covered.



4. Install a connector into the FNPT connection of the equipment. Tighten the (1) connector body square section, to 65 ft-lbs. Finger tighten the (4) compression nut so that it engages with the shoe.

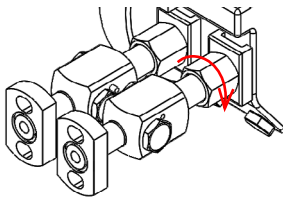


5. (Optional) Using the pining tool, insert a (7) short lock pin into the pinhole to pin the bonnet plug facing inwards.

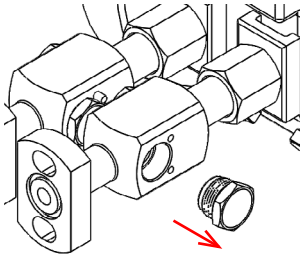


6. Repeat steps 2-5 to install the second stabilized connector into the equipment.

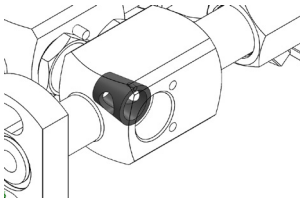
7. Adjust the (4) compression nut and nut to support the stabilized connectors.



8. Remove the (3) bonnet plugs from both bonnet ports of the stabilizer taps facing outwards.
If the plug has been removed and has to be reinstalled, clean the seal surface on the bottom of the plug, and apply thread sealant to the plug threads and bottom-sealing surface. Torque plug from 75-100 ft-lbs to seat and seal plug.



9. Check and ensure the soft seat is in the bonnet ports.



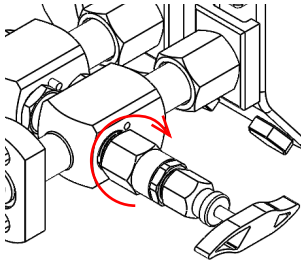
10. Install bonnet assemblies into each of the bonnet ports in the stabilized connectors.

10-1 If required, apply thread sealant to the bonnet threads.

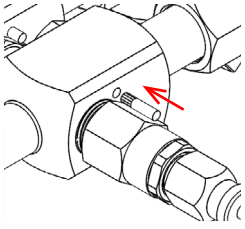
10-2 Ensure the bonnet stem is turned CCW close to the back seat position.

10-3 Insert bonnet assembly into body seat, Engage threads by hand.

10-4 Screw the bonnet into the body seat using a correct wrench. When the bonnet reaches the sealing surface, torque the bonnet to a value of 75-100 ft-lbs.



10-5 Insert the (6) long lock pin into the pinhole to pin the bonnet assembly.



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