Installation, Disassembly, and Repair of 45 Series Steam Traps

Follow your company's safety procedures whenever working on Kadant Johnson products. Read all of the instructions before proceeding with the installation or repair.

Please refer to the Kadant Johnson assembly drawing for part identification. Assembly drawings are available on request from Kadant Johnson.

Lubricate all fasteners with anti-seize compound. Tighten all fasteners in a star pattern. Torque specifications are listed on the product assembly drawing and are available from Kadant Johnson.

Repair kits are available upon request. Please contact your Kadant Johnson representative to purchase.

INSTALLATION:

Please note: The direction of flow is indicated by an arrow on the steam trap body (2). Make sure the arrow is pointing in the direction of the flow and the name plate (6) is on top. Contact Kadant Johnson if you wish to install the equipment in a different position of installation. The Kadant Johnson steam trap is delivered assembled and ready for installation.

STEP 1.
Release residual pressure from the system.

STEP 2.
Remove existing equipment. Install the Kadant Johnson steam trap by reconnecting the piping connections.

STEP 3.
The steam trap is now ready for service.

DISASSEMBLY:

STEP 1.
Release residual pressure from the system. Disconnect the steam trap from the existing piping and set on a work bench. Note: If leaving the body (2) in place on the machine and removing the cover (7), you will need approximately 9.5 inches (241 mm) of clearance.

STEP 2.
Remove the four socket head cap screws (9) from the body (2). Remove the cover (7) from the body. Set the cover aside. Remove and discard the gasket (3).

STEP 3.
Remove the control unit (4) from the body by loosening the four socket head cap screws (26). Discard the control unit. Remove the gasket (27) and discard.

CLEAN AND INSPECT:

STEP 1.
Clean and inspect the body (2). Clean both gasket surfaces and check that they are not steam cut or damaged. Visually inspect the screen (2a) for any dirt or debris. Rinse with fresh water to clear any dirt or debris and dry with a lint free cloth. If the body is damaged in any way, replace it.

STEP 2.
Clean and inspect the cover (7). Clean the gasket surface and check for any steam cuts or damage. Clean out any dirt or debris using fresh water and drying with a lint free cloth. If the cover is damaged in any way, replace it.
REASSEMBLY:

**STEP 1.**
Push the new flat thermostatic capsule (4a) on to the new control unit (4) until it snaps in place. Place a new gasket (27) on to the body (2). Place the control unit onto the body and secure with the socket head cap screws (26).

**STEP 2.**
Reinstall the cover (7), using a new gasket (3), onto the body (2). Secure with socket head cap screws (9) and torque to 103 ft-lbs (140 Nm).

**STEP 3.**
Reinstall the steam trap by connecting the piping. The steam trap is now ready for service.

*Dimensions are for reference only and subject to change. Certified drawings are available on request.*

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**The Kadant Johnson Warranty**

Kadant Johnson products are built to a high standard of quality. Performance is what you desire; that is what we provide. Kadant Johnson 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 Kadant Johnson's liability shall, at Kadant Johnson's sole option, be the repair or resupply of a like quantity of non-defective product.