



DECONTAMINATION CERTIFICATION AND FLUSHING PROCEDURE

CUSTOMER: _____
ADDRESS: _____
CONTACT: _____

DATE: _____
PHONE: _____
EMAIL: _____
RMA #: _____

Please complete the items below. By providing this information, you will allow us to work as quickly and safely as possible.

PUMP MODEL: _____
PART NUMBER: _____
DATE PURCHASED: _____

SERIAL NUMBER: _____
DATE INSTALLED: _____
INDOOR / OUTDOOR: _____

REASON FOR RETURN: [] WARRANTY REQUEST [] FACTORY SERVICE

FAILURE INFORMATION:

- [] Failure To Deliver Required Capacity [] Vibration [] Motor Burnout
[] Loses Prime After Starting [] Bearing Failure [] Other: _____
[] Axial Wear Due To Thrust [] Insufficient Pressure Bearing Monitor Reading

BRIEF DESCRIPTION OF PUMP FAILURE: _____

DECONTAMINATION INFORMATION

All pumps/parts must be completely decontaminated and all information in this section must be completed prior to shipment to our factory or service center. Shipments received without this documentation will not be accepted and will be returned to the point of shipment.

CHECK ONE OF THE FOLLOWING:

- [] Pump is new/unused and never subjected to process fluid.
[] The pump has been flushed by following the applicable steps in section A of the Teikoku USA Flushing Procedure on page 2 of this form. No liner rupture is suspected.
[] Both the complete pump and the stator assembly have been flushed by following the applicable steps in section A, plus section B, C or D of the Teikoku USA Flushing Procedure on pages 2 and 3 of this form. The motor must be rewound.

FLUID PUMPED: _____ WHAT FLUID DID YOU FLUSH WITH: _____

Attach completed material safety data sheets (MSDS) for these fluids. If either fluid is proprietary, please attach a description of any characteristics that will assist Teikoku USA in safe handling. Without detailed and complete information on the pumped fluid, we will not be able to process your order.

PROTECTION EQUIPMENT RECOMMENDED FOR SAFE HANDLING OF THE PROCESS FLUID: _____

DECONTAMINATION CERTIFIED BY: _____ DATE: _____

TITLE: _____ PHONE: _____

RETURN COMPLETED FORM AND PUMP/PART TO:

[] TEIKOKU USA
Factory Service Center
959 Mearns Road
Warminster, PA 18974
Phone: (215) 343-6000
Fax: (267) 486-1037

[] TEIKOKU USA
Midwest Service Center
27881 State Route 7
Marietta, OH 45750
Phone: (740) 538-5332
Fax: (740) 538-5015

[] TEIKOKU USA
Sales and Service Center
5880 Bingle Road
Houston, TX 77092
Phone: (713) 983-9901
Fax: (713) 983-9919

FLUSHING PROCEDURES FOR TEIKOKU USA PRODUCTS

THE FOLLOWING FLUSHING PROCEDURES ARE REQUIRED TO ALLOW FOR MAXIMUM REMOVAL OF PROCESS FLUIDS.

A. COMPLETE PUMPS AND PARTS

Pumps and parts that are returned for service are to be thoroughly decontaminated and free of process and flushing fluids.

Some pumps handle a fluid that may solidify and cannot be removed by flushing the pump. These pumps should be fully disassembled for removal of all traces of fluids to avoid solidification of the fluids in the pump.

SUGGESTIONS FOR DECONTAMINATION

1. With the suction flange down, introduce an appropriate neutralizing fluid through the discharge flange. Flush the pump in this manner for a sufficient time to allow for the removal of all process fluid.
2. Introduce an appropriate neutralizing fluid to the rear of the pump for a sufficient time to allow for the removal of all process fluid. The method of fluid insertion depends on the pump design. Access may be through a circulation line, vent, drain or flush connection. In some cases, the rear bearing housing needs to be removed to thoroughly flush the pump internals.

Remove as much of the neutralizing fluid as possible using compressed air or inert gas.

For pumps with shaft sleeves, complete disassembly will be required to remove trapped fluid.

Flush all auxiliary tubing, piping and equipment such as heat exchangers.

For any questions on decontamination, contact your Teikoku service representative.

See sections "B" through "D" for stator assembly decontamination requirements where a liner breach is suspected. Pumps with the TRG bearing wear monitor will have a wear meter visible on the pump terminal box.

B. G series without TRG and J-series stator assembly (if equipped with a relief valve).

If a stator liner rupture is suspected, follow this section to flush the stator cavity. **Caution:** if this step is followed, the motor must be rewound.

Remove the relief valve. Insert a screwdriver into the relief valve adapter and pry the Lisk filter to one side. Remove the connection box from the lead nipple and chip away the potting compound from the lead nipple.

Position the stator assembly with the lead nipple down and introduce an appropriate neutralizing fluid to the relief valve adapter. The fluid will exit through the lead nipple. Flush the stator cavity in this manner for a sufficient time to allow for the removal of all process fluid and stator oil.

Remove as much of the neutralizing fluid as possible by purging the stator cavity with compressed air or inert gas for 3 - 5 minutes.

If the connection box is to be returned, assure that all components have been decontaminated.

C. NC-series stator assembly without TRG

If a stator liner rupture is suspected, follow this section to flush the stator cavity. Caution: if this step is followed, the motor must be rewound.

Drill a hole through base cradle mounting hole located in rear end bell, drill this hole just deep enough to break through end bell. Drill a second hole through stator liner on the opposite end of the stator.

Position the stator assembly with rear end bell up and introduce an appropriate neutralizing fluid through drilled hole in rear end bell. The fluid will exit through the drilled hole on opposite end. Flush the stator cavity for a sufficient time to allow for the removal of all process fluid.

Remove as much of the neutralizing fluid as possible by purging the stator cavity with compressed air or inert gas for 3 - 5 minutes.

If the connection box is to be returned, assure that all components have been decontaminated.

D. For all Teikoku pumps, LE stators, G and NC stators with TRG.

If a stator liner rupture is suspected, follow this section to flush the stator cavity. Caution: if this step is followed, the motor must be rewound.

There might be a case in which pressure is released when terminal box cover or terminal plate is removed. Take the necessary precautions and follow Teikoku's terminal box removal procedure, that is available upon request. With the terminal box up, remove the cover and the terminal plate. Drill a hole through the stator liner on the opposite end of the stator.

Position the stator assembly with the rear end bell up and introduce an appropriate neutralizing fluid through the junction box port. The fluid will exit through the drilled hole in the opposite end. Flush the stator cavity for a sufficient time to allow for the removal of all process fluid. After washing is completed, drain all the fluid.

Remove as much of the neutralizing fluid as possible by purging the stator with compressed air or inert gas for 3 – 5 minutes. If the terminal box and terminal plate are to be returned, assure that all components have been decontaminated.

NOTE ON DECONTAMINATION:
TEIKOKU USA RESERVES THE OPTION TO RETURN PUMPS, AT THE CUSTOMER'S
EXPENSE,
IF THEY HAVE NOT BEEN PROPERLY DECONTAMINATED.