

PRODUCT BULLETIN

ISSUE DATE:	May 2013	BULLETIN NUMBER:	013-PBCV-002
PRODUCT LINE:	TROJANUVSWIFT™SC TROJANUVFIT™ TROJANUVPHOX™	MODELS TYPES:	D03, D06, D12, D18, D30 72AL75, D72AL75 12AL30, 18L50, 30AL50, D30AL50, 72AL75, D72AL75
TOPIC:	PRESSURE VESSEL SAFETY – PN10 (10 BAR, 150 PSI MAXIMUM OPERATING PRESSURE)		

OVERVIEW

The sleeve bolt is a critical component of a closed vessel design where its primary function is to hold the lamp holder and retain a quartz lamp sleeve within the chamber during all operating conditions. In the unlikely event that a sleeve breakage occurs and the sleeve bolt nut is not properly secured, it is possible that the lamp, lamp holder, water and possibly particulate located in the reactor could be expelled.

DETAILS

The sleeve bolt design uses a quarter turn nut to retain the lamp holder and quartz lamp sleeve. In the unlikely event that a sleeve breakage occurs during UV chamber operation, chamber pressure can cause the lamp plug to disengage from the sleeve bolt if the sleeve bolt nut is not properly installed. An ejection of a lamp can result in UV exposure, severe bodily injury or death.

RESOLUTION

Trojan is currently modifying the sleeve bolt design to reduce the potential for the lamp plug to disengage. Once a finalized solution is available, a Trojan representative will contact you to arrange for delivery. Until such time as the solution is available, please follow the precautions listed below.

1. Always make sure that the service endcap is installed onto the UV chamber when pressurized as this will reduce but not eliminate the potential for injury.
2. When UV chambers are pressurized, do not cross in front of the lamp end plate.
3. When performing maintenance on the UV chamber always ensure that all sleeve bolts and nuts are installed correctly as per your equipment Operation and Maintenance manual.

Before performing any troubleshooting and or maintenance to the UV chamber, please follow these steps.

1. Never stand directly in front of the UV chamber until depressurization has been confirmed
2. Isolate the UV chamber by shutting off the appropriate site specific valves
3. Turn off the Power Distribution Centre (PDC) or Control Panel.
4. Lock out and tag equipment
5. Depressurize chamber
6. Drain if required
7. Remove service endcap

Please refer to your equipment Operation and Maintenance manual for all applicable maintenance procedures.

When performing maintenance on any reactor, be sure to follow all applicable safety practices such as wearing personal protective equipment, locking out and tagging sources of energy and depressurizing vessels before performing any service. Always consult the equipment O&M manual before beginning work. When UV chambers are pressurized, never cross in front of the lamp end plate as an added precaution. Failure to follow these precautions could result in serious bodily injury or death.

ASSISTANCE

If you require technical assistance or have any questions on this bulletin, please contact the Technical Assistance Centre:
tac@trojanuv.com or call 1-866-388-0488.
Outside of North America please call 1-519-457-2318.

Please insert this bulletin into your Trojan Product Operation and Maintenance (O&M) manual