

# TECHNICAL BULLETIN

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**DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

**WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**NOTICE**

NOTICE is used to address practices not related to physical injury.

This technical bulletin provides instructions related to proper installation and operation of the Ultra UV Sanitizer. This notice instructs not to install the Ultra UV unit with a bypass unless absolutely needed.

**NOTICE**

**Do not plumb the Ultra UV with a bypass unless absolutely needed**

It is recommended that the Ultra UV unit be installed without a bypass and directly after the filter. The only reason for installing an Ultra UV bypass is to allow for removal of the UV unit, while still allowing the system to operate with water flowing through the bypass. The acceptable reasons for removal include winterization, servicing, off site repairs and replacement. If a bypass is required it must be installed & operated per figures 1 & 2 below. Before bypassing the Ultra UV for removal, turn off the pump & allow the system pressure to drop to 0 psi per the unit's pressure gauge.

**DANGER**

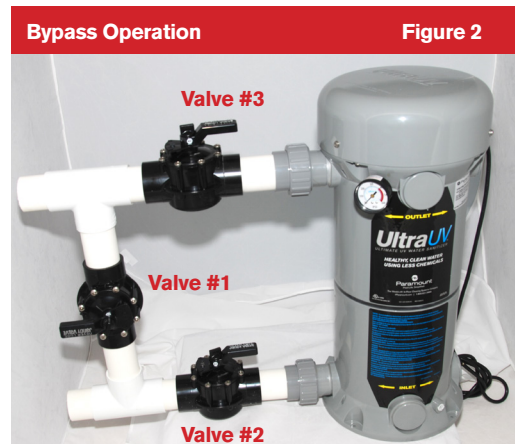
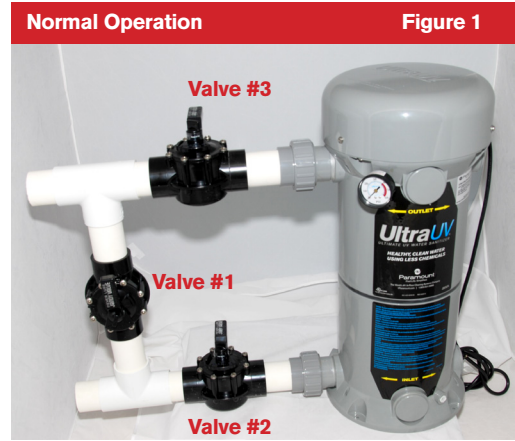
**Turn off the power at the main source before disconnecting or connecting the Ultra UV. The Ultra UV pressure gauge must read "0" before disconnecting the unit.**

**WARNING**

**Failure to follow the instructions provided in this technical bulletin can result in damage to the Ultra UV that is not covered by the warranty.**

**NORMAL OPERATION**  
 During normal operation the inlet and outlet valves should be full open and the bypass valve should be completely closed. Any partial opening of the bypass valve can cause damage to the Ultra UV unit. This instruction applies to all systems with a single speed or with a variable speed pump. During normal operation the bypass valve #1 should be completely closed and the inlet valve #2 and outlet valve #3 should be full open. See fig. 1.

**BYPASS OPERATION**  
 The bypass valve #1 should be full open and the inlet valve #2 and the outlet valve #3 should be completely closed. See fig. 2.



This supersedes Ultra UV Manual 004-422-003-00 REV 042715

**If necessary, contact Paramount Technical Service at 1-800-621-5886 for further instructions.**