

**Waters Customer Assurance Documentation**  
**Recommendations for Normal Phase and/or GPC**  
**Solvents**  
**Informational**

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**Model: 2695**

The purpose of an Informational Service Note is to communicate detailed product related information to the Field Service Engineer.

**Scope Technical Discussion**

Recommendations when operating with Normal Phase and GPC solvents on Alliance systems.

**Product Affected**

2695

**For your information**

Review [Operator's Manual](#) Appendix D for the recommended parts, solvents as reference to the information listed below:

1. **Degasser chamber:** Part number 700005508 PERFORMANCEPLUS VACDEGAS CHAMBER STENTED
  - The standard degasser chamber internal fittings can shrink and swell over time with normal phase and GPC solvents.
  - Normal phase solvent will cause the internally sleeved plastic tubing to fall off and the chambers, fill with solvent and fail.

2. **Plunger seal recommendation:** Review Appendix D "GPC solvents and seal choices."
  - Part number WAT270938 for the SEAL, PLUNGER, PKG (2), 2690 (standard yellow seal, Fluoroloy G)
  - Part number 700001326 for the SEAL, CLEAR, 2 PACK, ALLIANCE (performance plus opaque seal, ultra high molecular weight polymer)
  
3. **Seal wash recommendation:** Review Appendix D "GPC solvents and seal choices."
  - Appropriate seal wash will extend the life of the plunger seals.
  
4. **Solvent Miscibility:** Review Appendix D "solvent miscibility chart."
  - If the difference between the miscibility numbers of the two solvents is 15 or less, then they are soluble.
  - Prime all solvent lines, purge the injection pathway and make injections of the intermediate solvent.
  - Problems with baseline and pressure stability can be caused by using immiscible solvents.

#### **Service Action Required**

Review the attachments and replace parts if needed, use correct seal wash solvent and flush system with intermediate solvent if necessary.

#### **Implementation**

N/A

#### **Attachments**



GPC Solvents.xls



Solvent\_Miscibility.docx

**THIS SECTION IS FOR THE ASIAN OPERATION AND IS TO BE USED FOR TRANSLATION INTO LOCATION LANGUAGE**

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This note is status is "Approved". The note was approved by David W Daggett/Waters on 25.05.2016

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