

DATE: June 1, 2012

MODELS: All Companion Portables
All HELiOS Portables
All Sprint/Stroller TF Portables with PB-Style QDVs
All Spirit TF Portables with PB-Style QDVs

Approved
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ISSUE: QDV Poppet Design Change

NOTES: Effective as early as July 1, 2012 the design of the top fill (TF), PB-style, QDV will be standardized across all CAIRE portables. The standard QDV design will contain a stainless steel poppet.

The Spirit, Sprint, Stroller, and Hi-Flow portables are currently using a stainless steel poppet. The new standard poppet will be an additional 0.03 inches (0.762 mm) longer. This increased length will allow for greater connectivity with the reservoir for filling.

The metal poppet will replace the plastic poppet that has previously been used on HELiOS and Companion portable units. The robust stainless steel design will provide increased durability.

The figure below shows the new metal poppet of the standard QDV as well as the plastic poppet that was previously used only on Companion & HELiOS portables.

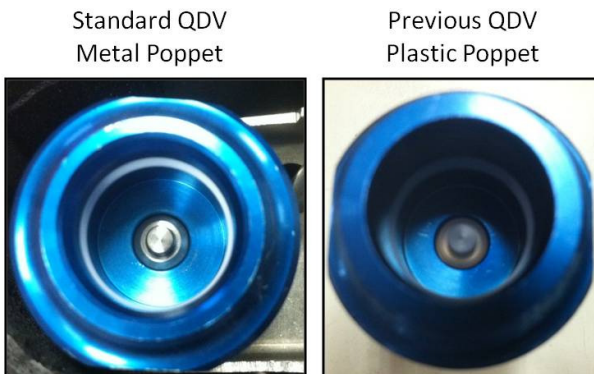


Figure 1 - - QDV Poppet Comparison

Below is a list of part number for ordering QDV assemblies with the new stainless steel poppet. All previous part numbers will no longer be available. The stainless steel QDV will be a direct replacement on all models.

Table 1 - - QDV Assembly Part Numbers

Portable Model	QDV Assembly Part Number
C1000/C1000T	20553105
H300	20553107
H850	20553105
Spirit	10566420T
Sprint	10566420T
Stroller	10566420T

This design change will not affect the functionality or specifications of any CAIRE portable units.

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