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Product Change Notification

Product Change #: PCN311

Posting Date: October 6, 2015

Description of Change:

Many stopcock products are going through a product change with respect to either the diverter/handle or the body or both. These assemblies will undergo minor modifications to the tolerances of one or more of the following features to improve product quality: the housing barrel outer diameter, the diverter handle length, and the diverter through bore diameter. Also, these assemblies as listed will undergo the following cosmetic changes to improve product performance characteristics: coring at the port to barrel interface to eliminate sinks at the housing to diverter sealing surfaces.

It is important to note that the raw materials and finished good part numbers will not change.

Reason:

Improvement in product quality and performance. Nordson Medical is investing in modifying their molding tools to consistently meet their higher quality criteria, product performance and on-time deliveries.

Parts Affected:

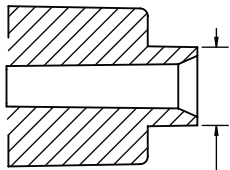
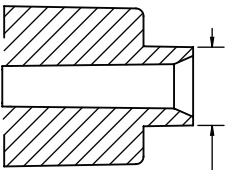
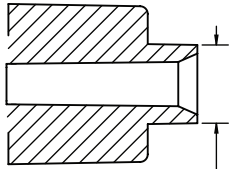
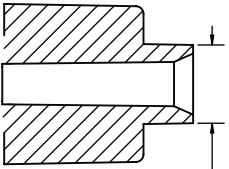
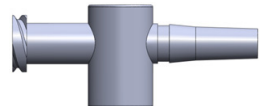
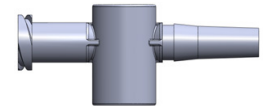
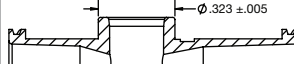
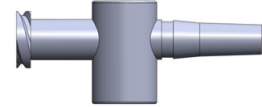
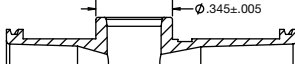
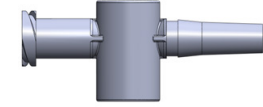
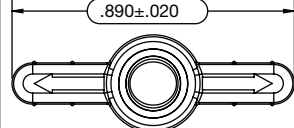
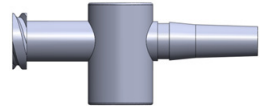
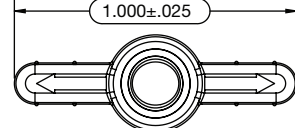
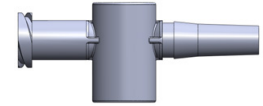
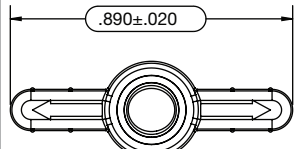
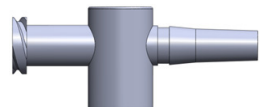
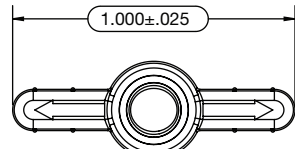
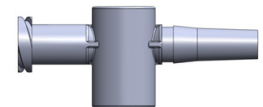
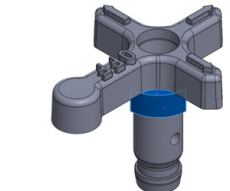
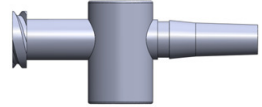
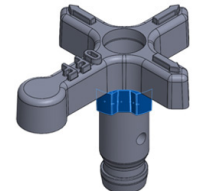
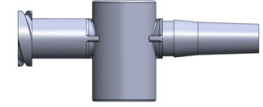
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FC4LB3F-001	FCLBFFM-001	FCA019-001	CA260-001	CA261-001	FCA022-001	FCHPFFMR-002	FCHPFFMR-002
FCHPFFMR-001	FCHPFFMR-003	FCHPFFMR-005	FCA021-001	FCFMR-001	FCFM-001	FCFM-002	FCFM-006
FCA025-001	FCFM-2A-005	FCA012-001	FCA047-001	FCA040-001	FCFFM-014	FCFFM-013	FCFFMR-003
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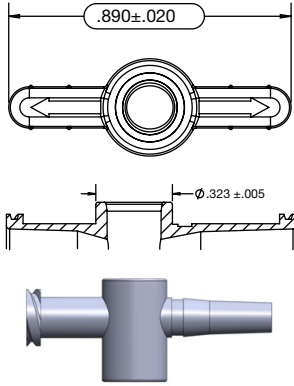
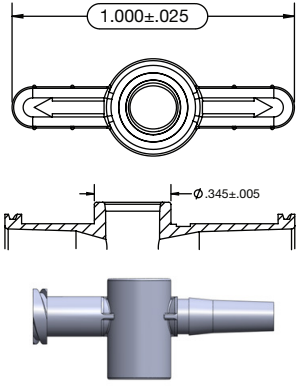
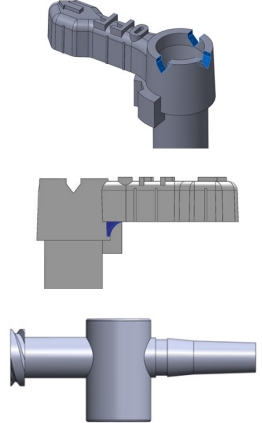
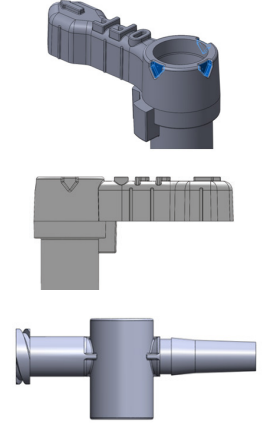
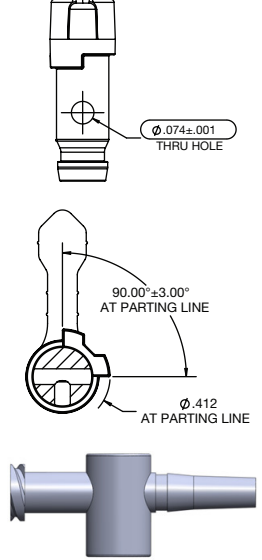
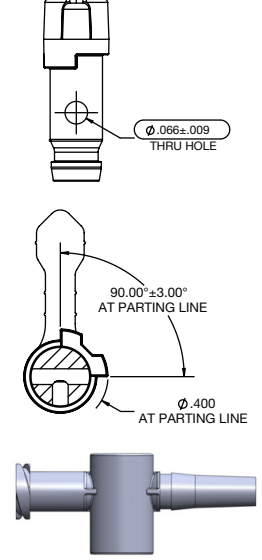
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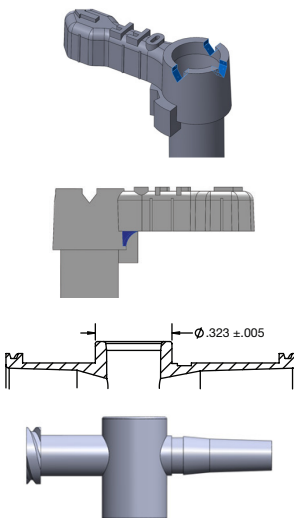
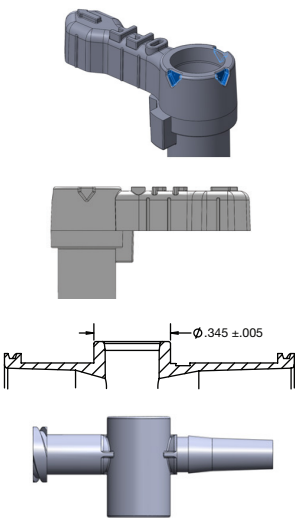
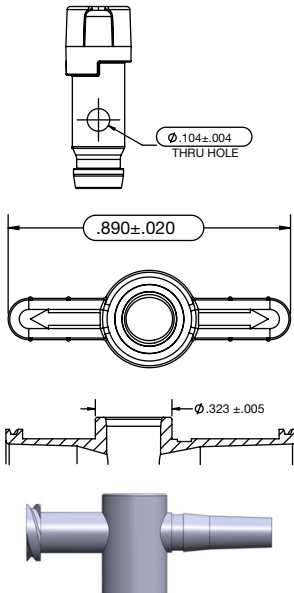
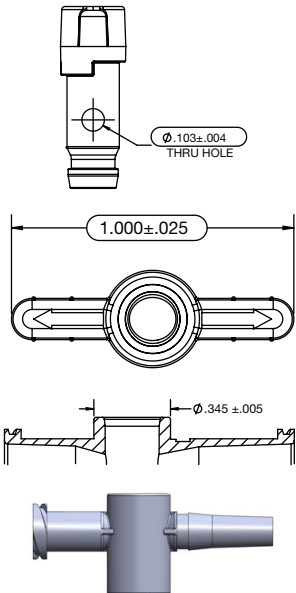
Stopcock samples are expected to be available between December 2015 and February 2016 for customer validation needs.

Implementation Procedure:

Customers will be provided with samples for their validation needs. Nordson Medical can manufacture current and post change products during this change however the current product configuration will not be available after April 2016.

Assemblies Affected	Change Description	Before Image	After Image
CA260-001	Component Body: The outer diameter of the grip and tolerance is being adjusted from 0.205 +/- 0.005" to 0.226 +/- 0.005" to accommodate tooling draft and ejector sleeve diameter.	 $\phi 0.205 \pm 0.005"$	 $\phi 0.226 \pm 0.005"$
CA261-001	Component Body: The outer diameter of the grip and tolerance is being adjusted from 0.260 +/- 0.005" to 0.226 +/- 0.005" to accommodate tooling draft and ejector sleeve diameter.	 $\phi 0.260 \pm 0.005"$	 $\phi 0.226 \pm 0.005"$
FCFM-2A-004 FCFM-2A-005 FCFMR-2A-004	Diverter: No change Body: The side ports will have core outs to prevent sink on the ID.		
FCA025-001 FCFM-001 FCFM-002 FCFM-006 FCFMR-001	Diverter: No change Body: We are increasing the OD of the body barrel to 0.345 +/- 0.005" to match VP standards. The side ports will have core outs to prevent sink on the ID.	 	 
FCHPFMR-002 FCHPFMR-003 FCHPFMR-005	Diverter: Increase the length of the diverter handle to 1.000 +/- 0.025" to match VP standards. Body: The side ports will have core outs to prevent sink on the ID.	 	 
FCA021-001	Diverter: Increase the length of the diverter handle to 1.000 +/- 0.025" to match VP standards. Body: No changes	 	 
FCHPFFMR-001 FCHPFFMR-002	Diverter: A gate pad recess will be added to match the FCD1A001 gate pad recess, so the steel can be shared between the two SKUs Body: The side ports will have core outs to prevent sink on the ID.	 	 

Assemblies Affected	Change Description	Before Image	After Image
FCFM-010	<p>Diverter: Increase the length of the diverter handle to 1.000+/- 0.025" to match VP standards.</p> <p>Body: We are increasing the OD of the body barrel to 0.345 +/-0.005" to match VP standards. The side ports will have core outs to prevent sink on the ID.</p>		
FC4FFMR-001 FCA024-001 FCA024-002 FCFFM-002 FCFFM-1A-003	<p>Diverter: Flow direction indicator notches on the top of the diverter are causing flash, we will be adding a web to that feature. We will be removing a radius on the bottom of the handle as it creates a sharp feature on other parts since the steel is shared with other diverter SKUs.</p> <p>Body: The side ports will have core outs to prevent sink on the ID.</p>		
FCA022-001	<p>Diverter: The through bore tolerances will be adjusted to 0.066 +/- 0.009" to match VP large bore standards. Reduce diameter of gate pad/rotation stop to 0.400 +/- 0.005" to match VP standards.</p> <p>Body: The side ports will have core outs to prevent sink on the ID.</p>		

Assemblies Affected	Change Description	Before Image	After Image
FCA010-001 FCA012-001 FCA026-001 FCA028-001 FCA040-001 FCA047-001 FCFFM-003 FCFFM-008 FCFFM-009 FCFFM-010 FCFFM-013 FCFFM-014 FCFFMR-002 FCFFMR-003 FCFFMR-004	<p>Diverter: Flow direction indicator notches on the top of the diverter are causing flash, we will be adding a web to that feature. We will be removing a radius on the bottom of the handle as it creates a sharp feature on other parts since the steel is shared with other diverter SKUs.</p> <p>Body: We are increasing the OD of the body barrel to 0.345 +/-0.005" to match VP standards. The side ports will have core outs to prevent sink on the ID.</p>		
FCA019-001 FCLBFMR-001	<p>Diverter: The through bore tolerances will be adjusted to 0.103 +/- 0.004" to match VP large bore standards. Increase the length of the diverter handle to 1.000 +/- 0.025" to match VP standards.</p> <p>Body: We are increasing the OD of the body barrel to 0.345 +/-0.005" to match VP standards. The side ports will have core outs to prevent sink on the ID.</p>		
FC4LB3F-001 FCLBFFM-001 FCLBFFM-003 FCLBFFM-1A-003 FCLBFFMR-1A-003	<p>Diverter: Flow direction indicator notches on the top of the diverter are causing flash, we will be adding a web to that feature. We will be removing a radius on the bottom of the handle as it creates a sharp feature on other parts since the steel is shared with other diverter SKUs. The through bore tolerances will be adjusted to 0.103 +/- 0.004" to match VP large bore standards.</p> <p>Body: We are increasing the OD of the body barrel to 0.345 +/-0.005" to match VP standards. The side ports will have core outs to prevent sink on the ID.</p>	