


Notification date: May 4, 2020

Notification reference number: CN-RPII-BP7J26 (Revision 01)

Important Customer Notification

Purpose	To enhance the product information displayed on the outside surface of filter capsules and membrane chromatography devices.
Affected products	Kleenpak™ Nova, Supracap™ 100 and Novasip™ filter capsules and Mustang® membrane chromatography devices, supplied standalone or incorporated into Allegro™ single-use systems. Reference Appendices 5, 6 and 7 for a full list of affected part numbers.
Change to fluid or air contact component (s)?	No
Change process stages	Formal notification: May 1, 2020. Target date for implementation: Phase in from May 2020, continues through to September 2020. This change has been implemented with immediate effect to avoid supply disruption.
Pall manufacturing plants impacted	Pall Ilfracombe, UK and Pall Fajardo, Puerto Rico.
Customer action required	This information is being provided to you so that you can assess the potential impact on your receipt and incoming inspection operations.
Pall point of contact	Please email your inquiries about this change to: customernotifications@pall.com
Authorized by	 Mark Baree Quality Director Biotech Consumables

Description of change

Pall is enhancing the information provided on the outer surface of its Kleenpak Nova, Supracap 100, Novasip filter capsules and Mustang chromatography devices made at its manufacturing sites in Ilfracombe UK, and Fajardo, Puerto Rico.

The change will result in a standardized layout of information on the above products with the consistent application of the three following features:

1. Addition of 2D Matrix Marking

All filter capsules in scope will be marked as standard, with a 2D barcode using GS1 format, encoding part, lot and serial number.

2. Change to Arial Font



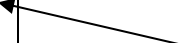
3. Consistent display of ATEX Marking

Consistent use of a CE mark in accordance with European Directive 2014/34/EU (ATEX) 'Equipment and protective systems intended for use in potentially explosive atmospheres'.

Please refer to Appendices 1 to 3 to see example images conveying how the post-change layout of information compares with the pre-change layout.

Refer to Appendix 4 for a representative image of the 2D matrix that can be read using a barcode reader to help you configure any compatible equipment.

Table 1: Overview of change*

Products in Scope	Area Changed	Description of Change
		 <p>Standardization of information displayed on head of filter capsules</p>
<p>All products with these configurations</p>	<p>Filter capsule "head" component, outer surface</p>	

*Detailed overview of change shown in Appendix 1

Reason for the change

1. 2D Matrix Marking

The addition of a 2D matrix using GS1 format is to allow automated data-capture of part, lot and serial number. This will reduce errors caused by manual entry and standardize with our AB-style filter cartridges that already incorporate this feature.

2. Change to Arial Font

Arial font is being used to align with Pall's choice of font on other filter capsules and filter cartridges, (for example, AB-style filters and Kleenpak filter capsules).

3. Consistent display of ATEX Marking

ATEX marking is being added in accordance with European Directive 2014/34/EU (ATEX) 'Equipment and protective systems intended for use in potentially explosive atmospheres', and to standardize with other products where it is already used.

Impact on customer operations and/or recommended action(s)

There are no changes to the functionality of the impacted products, their dimensions, or fluid contact surfaces.



There will be no changes to part numbers, lot numbers, serial numbers or certification.

The main reason for the change is to enable automated data capture through the addition of a 2D bar code.

We recommend you review the information below for further details regarding the change in product appearance and the timing of implementation.

Supply chain information

Table 2: Implementation schedule for Ilfracombe UK, and Fajardo, Puerto Rico

Products		Timing of Implementation	
		Products Made in Ilfracombe, UK	Products Made in Fajardo, Puerto Rico
All products in this configuration as identified by the part code starting with NP- NT-		May 2020*	September 2020
All products in this configuration as identified by the part code starting with C-		September 2020	Not applicable**

* Change will be phased in from May, and is being prioritized to assure supply continuity of filters made in Ilfracombe, UK.

** Not made in Fajardo, Puerto Rico.

The manufacturing site of the above products, whether supplied standalone or incorporated into single-use systems, can be confirmed by reviewing the product lot code, reference Table 3 below.

Note: These products can be used in Allegro single-use systems for which there is no common part number identifier, e.g. NP- , NT- or C-. Please review the attached part number list in Appendix 7 to identify any single-use systems you may purchase that include affected products.

Due to supply chain/ inventory management of finished goods, there may be a period when you will receive identical part codes displaying pre-change or post-change marking.

Table 3: Lot and serial number formats for products made in Ilfracombe, UK, and Fajardo, Puerto Rico

Lot and Serial Number	
Products Made in Ilfracombe, UK	Products Made in Fajardo, Puerto Rico
Begins with letter "I"	Begins with letter "F"
Example: IA123400001	Example: FA123400001
Lot and serial number location: Primary packaging (outer box) Label on inner bag Filter capsule head (as shown) Certificate of Test, supplied with filter	

See Appendices 5, 6, and 7 for lists of affected part numbers made in Pall Ilfracombe, UK and Pall Fajardo, Puerto Rico, and for Allegro single use systems where they are incorporated.

Additional information

If anyone else within your organization should be made aware of this notification, please forward them a copy of this notification or advise us accordingly.

Please email your inquiries about this change to customernotifications@pall.com.

This notification has been cleared for release by Pall Quality Assurance.

We appreciate your continued use of Pall products.










Appendix 1 - Examples of Display of Product Information Pre-and Post-Change

Examples for all products in the configuration below, as identified by part codes starting with NP- and NT-












Applicable to products containing the following types of media:

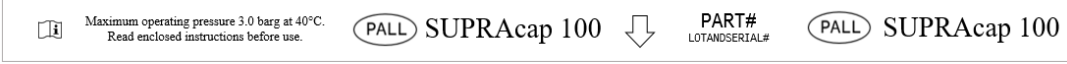
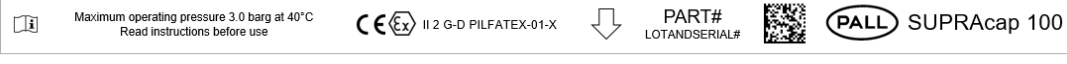
- Pre-filtration media for liquid or gas service
- Sterilizing grade filter media for liquid or gas service
- Virus filtration media

Kleopak Nova Filter Capsules	
Examples, pre-change	 Maximum operating pressure 3.0 barg at 40°C. Read enclosed instructions before use.  Kleopak Nova  PART# LOTANDSERIAL#  Kleopak Nova
Standardized layout, post-change	 Maximum operating pressure 3.0 barg at 40°C Read instructions before use  II 2 G-D PILFATEX-01-X  PART# LOTANDSERIAL#   Kleopak Nova

Applicable to products containing Mustang S, E and Q media:

Mustang Chromatography Devices	
Example, pre-change	 Maximum operating pressure 3.0 barg at 40°C. Read enclosed instructions before use.  Mustang Q  PART# LOTANDSERIAL#  Mustang Q
Standardized layout, post-change	 Maximum operating pressure 3.0 barg at 40°C Read instructions before use  II 2 G-D PILFATEX-01-X  PART# LOTANDSERIAL#   Mustang Q

Applicable to products containing depth filter media:



Supracap 100 Filter Capsules	
Example, pre-change	
Standardized layout, post-change	

Examples for all products in the configuration below, as identified by part codes starting with C-





Applicable to products containing the following types of filtration media:





- Pre-filtration media for liquid or gas service
- Sterilizing grade filter media for liquid or gas service
- Virus filtration media

Novasip Filter Capsules	
Example, pre-change	
Standardized layout, post-change	

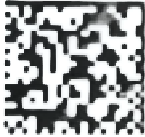
Applicable to products containing Mustang S, E, and Q membrane chemistries:

Mustang Chromatography Devices	
Example, pre-change	
Standardized layout, post-change	

Appendix 2 - Appearance and Placement of Information Pre-and Post-Change

	Example Product Pre-Change	Example Product Post-change
Marking displayed	No 2D matrix, pre-change font	2D matrix, Arial font (ATEX on reverse {not shown})
NP6 size		
NP6 size Close-up of product marking		

Appendix 3 – Example of 2D Data Matrix

Data Matrix	Breakdown of Data in Barcode
	<p>Character string with identifiers</p> <p>240NP1LUECVP1G10IA12342100001</p> <p>240 - Part Number; in example - NP1LUECVP1G</p> <p>10 - Batch/Lot code; in example - IA1234</p> <p>21 - Serial Number; in example - 00001</p> <hr/> <p>Batch/lot code of filters made in Ilfracombe, UK, begin with “I”</p> <p>Batch/lot code of filters made in Fajardo, Puerto Rico begin with “F”</p>

The barcode above is scannable. It can be used to prepare your equipment for utilization of this feature. Within this document, only refer to this specific barcode for this purpose.

Appendix 4 - Validation of Barcode Readability

Test Type	Test Criteria	Criteria Met?
Readability of 2D Matrix using off the shelf barcode reader	The barcode on filters from a verification batch correctly returns the information encoded when scanned with a Honeywell* 1910i barcode reader	Yes

The tests confirm that filters with the new layout may be used interchangeably with filters using the current layout, and that the automated data capture works reliably.

Appendix 5 – Affected Products Made in Ilfracombe, UK

Affected Part Numbers Starting with NP or NT, Made in Ilfracombe, UK				
NT6A100P1G	NT7DV20P1G	NT8NAP1S	NP5LPDF51	NP6LUEDFP16G
NT6A400P1S	NT7EKVP1B1G	NT8NBZP1G	NP5LPDH41	NP6LUSV4P1
NT6DBLP1G	NT7EKVP9G	NT8NFZP1S	NP5LPDH57	NP6MSTGSP1
NT6DFLP1G	NT7HAZP1G	NT8NLP1G	NP5LPDK51	NP6NBLP1
NT6DJLP1G	NT7J100P1G	NT8P0501	NP5LPDL31	NP6NFLP1G
NT6DV20P1G	NT7MSTGQP1	NT8P7001	NP5LPEK17	NP6NFP16S
NT6EBVP1G	NT7NBP1G	NT8PDE21	NP5LPEKX1	NP6NFP6G
NT6EKVP1G	NT7NFZP1G	NT8PDK51	NP5LT2601	NP6NFZP6G
NT6HAZP1G	NT7NLP1G	NT8PEKX1	NP5LUECVP16G	NP6NLP16G
NT6J060P9G	NT7NTP1	NT8U010ZP1G	NP5LUECVP1S	NP6NRP6G
NT6MSTGQP1	NT7P0501	NT8UB1H1G	NP5LUEDFP1G	NP6P0501
NT6NBZP1G	NT7PDC11	NT8UBP1H1G	NP5LUEDFP6S	NP6P0806
NT6NFZP1G	NT7PDG41	NT8UEAVP1	NP5LUEDTP1S	NP6P2001
NT6NLP1G	NT7PEK11	NT8UEAVP1G	NP5LUPRMP1S	NP6P2506
NT6NXP1G	NT7PEKX1	NT8UECVP1GA	NP63600P6G	NP6P9001
NT6P1001	NT7U010ZP1G	NT8UEDFP1G	NP6A010P1G	NP6PDBX1
NT6P7001	NT7UB1H1G	NT8UEDTP1H9G	NP6A015P1G	NP6PDD11
NT6PDD11	NT7UDV20P1	NT8UPRMP1S	NP6A050P1G	NP6PDD26
NT6PDE21	NT7UDV50P1B1G	NT8UUAP1GA	NP6A100P6G	NP6PDE21
NT6PDH51	NT7UEAVP1	NT8UY060P1G	NP6A400P1G	NP6PDF31
NT6PDL11	NT7UECVP1G	NT8Y005P1G	NP6B0201	NP6PDG41
NT6PEKS1	NT7UEDFP1G	NT8Y005P1T1G	NP6DBLP6G	NP6PDH21
NT6PRTP1	NT7UPRMP1G	NT8Y050P1G	NP6DFLP1G	NP6PDH46
NT6U2-20Z1H1G	NT7UUA1H1G	NT8Y050P1T1G	NP6DFLP6G	NP6PDK111
NT6UBP1G	NT7UUAP1H1GA	NP1LUECVP16G	NP6DJLP1G	NP6PDK56
NT6UDV20P1G	NT7Y010P1G	NP1LUPRMP1G	NP6EBVP1S	NP6PDL11
NT6UDV50P1G	NT7Y050P1H1GA	NP5EP1G	NP6EKVP19G	NP6PDP86
NT6UEAVP1S	NT7Y100P1H1G	NP5LB0201	NP6EKVP1S	NP6PEKM1
NT6UECVP1H1G	NT8A030P1S	NP5LP0501	NP6EKVP6S	NP6PEKX1
NT6UEDFP1S	NT8A200P1G	NP5LP0801	NP6EP6G	NP6PFRP1
NT6UPRMP1G	NT8DBLP1G	NP5LP1006	NP6HAZP1S	NP6U010ZP16G
NT6UUAP1G	NT8DFLP1G	NP5LP2501	NP6J012P1G	NP6U2-20ZP1G
NT6Y010P1G	NT8DJLP1G	NP5LP7001	NP6J045P6G	NP6UBP16G
NT6Y100P1G	NT8DJLP1H9G	NP5LP9001	NP6J200P1G	NP6UBP6G
NT7A050P1G	NT8DV20P1G	NP5LPDC17	NP6LDV20P16	NP6UDV50P1
NT7A200P1G	NT8EBVP1GA	NP5LPDD17	NP6LDV20P1S	NP6UEAVP1S
NT7DBLP1S	NT8EKVP1G	NP5LPDE16	NP6LPRTP1G	NP6UECVP16G
NT7DJLP1B1G	NT8HAZP1G	NP5LPDE27	NP6LUDV50P1	NP6UECVP6G

Affected Part Numbers Starting with NP or NT, Made in Ilfracombe, UK

NP6UEDFP16G	NP7PEK11	NP8TPC86	NT6UECVP1S	NT8A050P1G
NP6UEDFP6G	NP7PEKS1	NP8UBP1G	NT6UEDTP1G	NT8A400P1G
NP6UEDTP1S	NP7T0501	NP8UEAVP1	NT6UPRMP1S	NT8DBLP1S
NP6UUAP6G	NP7U6-40ZP6G	NP8UEAVP1S	NT6Y005P1G	NT8DFLP1H9G
NP6UY100P1G	NP7UBP6G	NP8UECVP6S	NT6Y050P1G	NT8DJLP1GA
NP6Y005P1G	NP7UEAVP1	NP8UEDFP6G	NT7A015P1G	NT8DJLP1S
NP6Y010P6G	NP7UEAVP6S	NP8UUAP1G	NT7A050P1S	NT8DVDP1G
NP6Y050P1S	NP7UEDFP1G	NP8Y003P1G	NT7A400P1G	NT8EBVP1H1S
NP6Y150P16G	NP7UEDTP16G	NP8Y010P6G	NT7DFLP1G	NT8EKVP1S
NP7A015P1G	NP7UEDTP6G	NP8Y050P1G	NT7DJLP1G	NT8J045P1G
NP7A030P6G	NP7V1001	NT6A200P1G	NT7EBVP1G	NT8NAZP1G
NP7A200P1G	NP7Y050BP1G	NT6B0101	NT7EKVP1G	NT8NFP1G
NP7B0106	NP83600P6G	NT6DFLP19G	NT7EP1B1G	NT8NGZ01P1GA
NP7DFLP16G	NP8A030P6S	NT6DFLP1S	NT7J025P1G	NT8NNP1SAV
NP7DFLP6G	NP8A100P1G	NT6DJLP1S	NT7J400P1G	NT8P2001
NP7DJLP1G	NP8DBLP1G	NT6DV20P1S	NT7NAP1G	NT8P9001
NP7EKVP16G	NP8DJLP1G	NT6EBVP1H1G	NT7NBZP1G	NT8PDG21
NP7EKVP1S	NP8EKVP16S	NT6EKVP1S	NT7NFZP1S	NT8PEKM1
NP7EP1G	NP8EKVP1S	NT6J025P1G	NT7NNXZP1G	NT8PFRP1
NP7J045P1G	NP8EP1G	NT6J400P1G	NT7NXP1B1G	NT8U010ZP1S
NP7J200P1G	NP8J012P1G	NT6NAZP1G	NT7P1001	NT8UBP1B1G
NP7LPRTP1	NP8LDBLP1S	NT6NFP1G	NT7PDD11	NT8UDV20P1
NP7LUDV50P1G	NP8LUDV20P1	NT6NFZP1S	NT7PDK51	NT8UEAVP1A
NP7LUPRMP1S	NP8LUDV50P1G	NT6NLZP1H1G	NT7PEKM1	NT8UEAVP1S
NP7MSTGQP1	NP8LUEDFP16G	NT6P0501	NT7PRTP1	NT8UECVP1S
NP7NAP1S	NP8LUSV4P1	NT6P2001	NT7U010ZP1S	NT8UEDFP1S
NP7NFP16G	NP8MSTGSP1	NT6P9001	NT7UBP1G	NT8UEDTP1S
NP7NRLP16G	NP8NFP1G	NT6PDD21	NT7UDV20P1G	NT8USV4P1
NP7P0501	NP8P0501	NT6PDG41	NT7UDV50P1B1S	NT8UUAP1T1G
NP7P1001	NP8P1001	NT6PDH61	NT7UEAVP1G	NT8UY100P1G
NP7P2001	NP8P7001	NT6PEK11	NT7UECVP1GA	NT8Y005P1GA
NP7P7001	NP8PDD11	NT6PEKX1	NT7UEDTP1G	NT8Y010P1G
NP7PDAX1	NP8PDG21	NT6PRTP1G	NT7UPRMP1S	NT8Y050P1GA
NP7PDCX6	NP8PDH46	NT6U2-20ZP1G	NT7UUAP1G	NT8Y100P1G
NP7PDE21	NP8PDK111	NT6UBP1S	NT7Y005P1G	NP1LUECVP1G
NP7PDH41	NP8PDK56	NT6UDV50P1	NT7Y030P1G	NP1LUPRMP1S
NP7PDK56	NP8PEKM1	NT6UDV50P1S	NT7Y050P1S	NP5LB0101
NP7PDL31	NP8PEKS6	NT6UEAVP9G	NT7Y100P1H1GA	NP5LB0206

Affected Part Numbers Starting with NP or NT, Made in Ilfracombe, UK

NP5LP0506	NP6HAZP1	NP6SCP1	NP7P1006	NP8P2001
NP5LP0806	NP6HAZP6G	NP6U010ZP1G	NP7P2006	NP8P7006
NP5LP2001	NP6J025P1G	NP6U2-20ZP6G	NP7P7006	NP8PDE11
NP5LP2506	NP6J060P6G	NP6UBP1G	NP7PDB11	NP8PDH31
NP5LP7006	NP6J700P1SA	NP6UBP6S	NP7PDD11	NP8PDH51
NP5LP9006	NP6LDV20P16G	NP6UEAVP16G	NP7PDG21	NP8PDK116
NP5LPDD11	NP6LEKVP16G	NP6UEAVP6G	NP7PDK111	NP8PDK61
NP5LPDDX1	NP6LUDV20P1	NP6UECVP1G	NP7PDK61	NP8PEKM6
NP5LPDE21	NP6LUDV50P1G	NP6UECVP6S	NP7PDP81	NP8PFRP1
NP5LPDF31	NP6LUPRMP1G	NP6UEDFP1G	NP7PEKM1	NP8U010ZP6G
NP5LPDG21	NP6MSTGEP1	NP6UEDTP16G	NP7PEKX1	NP8UBP6G
NP5LPDH46	NP6NAP16G	NP6UEDTP6G	NP7TPC86	NP8UEAVP16G
NP5LPDK111	NP6NBP1G	NP6UY045P1G	NP7UBP1G	NP8UECVP1G
NP5LPDK56	NP6NFP16G	NP6V1001	NP7UDV20P1	NP8UEDFP1G
NP5LPDP87	NP6NFP1G	NP6Y005P6G	NP7UEAVP1G	NP8UEDTP1G
NP5LPEKM1	NP6NFZP16G	NP6Y030P1G	NP7UECVP1G	NP8V1001
NP5LPEKX6	NP6NKP16G	NP6Y050P6G	NP7UEDFP1S	NP8Y005P1G
NP5LTPC86	NP6NLZP1G	NP6Y700P1G	NP7UEDTP1G	NP8Y050BP1G
NP5LUECVP19G	NP6NTP6	NP7A015P1S	NP7UUAP1G	NP8Y050P6G
NP5LUECVP6G	NP6P0506	NP7A050P1G	NP7Y005P1G	NT6A400P1G
NP5LUEDFP1S	NP6P1001	NP7A900P1G	NP7Y100P1G	NT6B0201
NP5LUEDTP16G	NP6P2006	NP7B0201	NP8A030P1G	NT6DFLP1B1G
NP5LUEDTP6G	NP6P7001	NP7DFLP1G	NP8A050P1G	NT6DJLP1B1G
NP5LV1001	NP6P9006	NP7DFLP6S	NP8B0101	NT6DV20P1
NP692DP1G	NP6PDC16	NP7EBVP1G	NP8DFLP1G	NT6DVP1G
NP6A010P6G	NP6PDD16	NP7EKVP19G	NP8DVP1G	NT6EKVP1B1G
NP6A030P1G	NP6PDE11	NP7EKVP6G	NP8EKVP19G	NT6EP1G
NP6A050P6G	NP6PDE26	NP7HAZP1G	NP8EKVP6G	NT6J060P1G
NP6A200P1G	NP6PDG11	NP7J060P6G	NP8EP6G	NT6MSTGEP1
NP6B0101	NP6PDG46	NP7LDV20P1G	NP8J012P1S	NT6NBP1G
NP6DBLP1G	NP6PDH31	NP7LPRTP1G	NP8LDV20P1G	NT6NFP1S
NP6DFLP16G	NP6PDH61	NP7LUEDFP16G	NP8LUDV20P1G	NT6NIP1G
NP6DFLP6G-MRK	NP6PDK116	NP7LUSV4P1	NP8LUDV50P1S	NT6NTP1
NP6DJLP1S	NP6PDK61	NP7MSTGQP6	NP8LUPRMP1G	NT6P0801
NP6EKVP16G	NP6PDL31	NP7NBP1G	NP8MSTGEP1	NT6P2501
NP6EKVP1G	NP6PEK11	NP7NFP1G	NP8NAP6G	NT6PDC11
NP6EKVP6G	NP6PEKS1	NP7NTP6	NP8NFZP1G	NT6PDE11
NP6EP16G	NP6PEKX6	NP7P0506	NP8P0506	NT6PDH41

Affected Part Numbers Starting with NP or NT, Made in Ilfracombe, UK

NT6PDK51	NT7UEAVP1S	NT8Y005P1B1G	NP6B0106	NP6PDG21
NT6PEKM1	NT7UECVP1S	NT8Y005P1S	NP6DBLP1S	NP6PDG66
NT6PFRP1	NT7UEDTP1S	NT8Y050P1B1GA	NP6DFLP16S	NP6PDH41
NT6U010ZP1S	NT7USV4P1	NT8Y050P1S	NP6DFLP1S	NP6PDK11
NT6U2-20ZP1S	NT7UUAP1GA	NT8Y100P1H1G	NP6DJLP16G	NP6PDK51
NT6UDV20P1	NT7Y005P1S	NP1LUECVP1S	NP6EBVP1G	NP6PDK71
NT6UDV50P1B1S	NT7Y0501H1G	NP1LUSV4P1	NP6EKVP16S	NP6PDP81
NT6UEAVP1G	NT7Y100P1G	NP5LB0106	NP6EKVP1GA	NP6PEK16
NT6UECVP1G	NT8A015P1G	NP5LB0207	NP6EKVP6GSBL	NP6PEKS6
NT6UEDFP1G	NT8A100P1G	NP5LP0507	NP6EP1G	NP6PFAP1
NT6UEDTP1S	NT8B0101	NP5LP1001	NP6HAZP1G	NP6TPC86
NT6USV4P1	NT8DBLP9G	NP5LP2007	NP6J006P1G	NP6U010ZP6G
NT6Y005P1S	NT8DFLP1S	NP5LP2507	NP6J045P1G	NP6U6-40ZP1
NT6Y050P1S	NT8DJLP1H1GA	NP5LP7007	NP6J100P1G	NP6UBP1S
NT7A030P1G	NT8DV20P1	NP5LPDA17	NP6J700P6G	NP6UDV20P1
NT7A100P1G	NT8EBVP1G	NP5LPDD16	NP6LDV20P1G	NP6UEAVP1G
NT7DBLP1G	NT8EKVP1B1G	NP5LPDE11	NP6LPRTP1	NP6UEAVP6S
NT7DFLP1S	NT8EP1G	NP5LPDE26	NP6LUDV20P1G	NP6UECVP1S
NT7DV20P1	NT8J100P1G	NP5LPDF41	NP6LUECVP1G	NP6UEDFP1
NT7EBVP1S	NT8NBP1G	NP5LPDG41	NP6LUPRMP1S	NP6UEDFP1S
NT7EKVP1S	NT8NFZP1G	NP5LPDH47	NP6MSTGQP1	NP6UEDTP1G
NT7EP1G	NT8NGZ01P1H1GA	NP5LPDK47	NP6NAZP1G	NP6UUAP1G
NT7J060P1G	NT8NXP1G	NP5LPDK57	NP6NBP6G	NP6UY045P6G
NT7J700P1G	NT8P2501	NP5LPEK11	NP6NFP16GSLS	NP6V1006
NT7NAZP1G	NT8PDC11	NP5LPEKS1	NP6NFP1S	NP6Y005P6S
NT7NFP1G	NT8PDH41	NP5LSCP1	NP6NFZP1G	NP6Y050P1G
NT7NGZ01P1GA	NT8PEKS1	NP5LUEAVP1G	NP6NKP1S	NP6Y100P6S
NT7NRP1G	NT8PRTP1G	NP5LUECVP1G	NP6NRLP1	NP792DP6G
NT7NXP1G	NT8U2-20ZP1G	NP5LUEDFP16G	NP6NXP1G	NP7A030P1G
NT7P7001	NT8UBP1G	NP5LUEDFP6G	NP6P0801	NP7A100P1G
NT7PDG21	NT8UDV20P1G	NP5LUEDTP1G	NP6P1006	NP7B0101
NT7PDP81	NT8UEAVP1B1	NP5LUPRMP1G	NP6P2501	NP7DBLP1G
NT7PEKS1	NT8UECVP1G	NP5LV1006	NP6P7006	NP7DFLP1S
NT7PRTP1G	NT8UEDFP1A	NP692DP6G	NP6PDAX1	NP7DJLP16G
NT7U2-20ZP1G	NT8UEDTP1G	NP6A015P16G	NP6PDCX6	NP7EBVP1S
NT7UBP1S	NT8UPRMP1G	NP6A030P6G	NP6PDD21	NP7EKVP1G
NT7UDV50P1	NT8UUAP1G	NP6A100P1G	NP6PDE16	NP7EKVP6S
NT7UDV50P1S	NT8UY045P1G	NP6A200P6G	NP6PDF11	NP7J012P1G

Affected Part Numbers Starting with NP or NT, Made in Ilfracombe, UK

NP7J100P1G	NP7PDK51	NP8A050P1S	NP8P2501	NP8Y005P6G
NP7LPDC16	NP7PDK76	NP8B0201	NP8P9001	NP8Y050BP6G
NP7LUDV50P1	NP7PDP86	NP8DJLP16G	NP8PDE21	NP8Y100P6G
NP7LUPRMP1G	NP7PEKM6	NP8EKVP16G	NP8PDH41	
NP7MSTGEP1	NP7PFRP1	NP8EKVP1G	NP8PDH61	
NP7MSTGSP1	NP7U2-20ZP1G	NP8EKVP6S	NP8PDK51	
NP7NBP6G	NP7UBP1S	NP8HAZP1G	NP8PDP86	
NP7NFP1S	NP7UDV20P1G	NP8J060P6G	NP8PEKS1	
NP7NXP1G	NP7UEAVP1S	NP8LDV20P1S	NP8PFRP1A	
NP7P0806	NP7UECVP1S	NP8LUDV50P1	NP8U2-20ZP1G	
NP7P1500P1	NP7UEDFP6G	NP8LUEAVP1	NP8UDV20P1	
NP7P2501	NP7UEDTP1S	NP8LUPRMP1S	NP8UEAVP1G	
NP7P9006	NP7UY045P1G	NP8MSTGQP1	NP8UECVP1S	
NP7PDC11	NP7Y005P6G	NP8NBP1G	NP8UEDFP1S	
NP7PDE11	NP83600P1G	NP8NFZP1S	NP8UEDTP1S	
NP7PDG41	NP8A030P6G	NP8P0801	NP8V1006	

Affected Part Numbers, Starting with C- Made in Ilfracombe, UK

C05DFLP1	CL3DV50P1	C3NRLP1	C3EKVP1B
C2NFP1A	CL3MSTGEP1	C3PFRP1A	C3NFP1
C2PFRP1B	CL3NRLP1A	C3PFRP1BGN	C3NFP1C
C3DFLP1A	CLM05MSTGQP1	CL1NRLP1A	C3NFZP1C
C3DJLP1B	CM05PFRP1B	CL3DFLP1A	C3PFRP1
C3EP1	C1DFLP1	CL3DV50P1G	C3PFRP1ASBL
C3NFP1A	C2PFRP1	CL3MSTGQP1	CL1DFLP1A
C3NFZP1	C2PFRP1C	CLM05DV20P1G	CL2DFLP1A
C3NFZP1G	C3DFLP1B	CLM05MSTGSP1	CL3DFLP1B
C3PFRP150	C3EKVP1	C1NFP1A	CL3EAVP1
C3PFRP1B	C3J012P1	C2PFRP1A	CL3MSTGSP1
CL1NRLP1	C3NFP1B	C3DFLP1	CLM05MSTGEP1
CL2PRTP1	C3NFZP1B	C3DJLP1	CM05PFRP1

Appendix 6 - Affected Products Made in Fajardo, Puerto Rico

Affected Part Numbers, Starting with NP- Made in Puerto Rico				
NP1LUPRMP1G	NP6UEDFP1G	NP5LUEDTP1G	NP6UY060P1G	NP692DP1SPG
NP5LEKVP1G	NP6UEDFP6G	NP5V002P1G	NP6V002P1GA	NP692SP16G
NP5LNFP6G	NP6UUAP6G	NP691SP16G	NP6V002P1SPG	NP6A015P6G
NP5LUEDFP1G	NP6UY045P6G	NP692DP1S	NP6Y005P1G	NP6A050P1G
NP5V002P16G	NP6V002P1G	NP692DP6SPG	NP6Y010P6G	NP6A100P6G
NP5V002P1SPG	NP6V002P1S	NP6A015P1G	NP6Y050P6G	NP6DFLP16G-SUT
NP692DP1G	NP6V1006	NP6A030P6G	NP7A015P1G	NP6DFLP1G
NP692DP6S	NP6Y010P1G	NP6A050P1SPG	NP7DBLP1G	NP6DFLP6G
NP692SP1G	NP6Y050P1G	NP6DFLP16G	NP7DFLP9G	NP6DFLP6SPG
NP6A030P1G	NP794DP6SPG	NP6DFLP16SPG	NP7EKVP16G	NP6DJLP1G
NP6A050P1S	NP7A030P6G	NP6DFLP1SPG	NP7EKVP1SPG	NP6DJLP6G
NP6DBLP1G	NP7DFLP6G	NP6DFLP6S	NP7EKVP6SPG	NP6EBVP1S
NP6DFLP16S	NP7DJLP1G	NP6DJLP16G-SUT	NP7LUPRMP1G	NP6EKVP16G
NP6DFLP1S	NP7EKVP1S	NP6DJLP1SPG	NP7UBP1G	NP6EKVP16SPG
NP6DFLP6G-MRK	NP7EKVP6S	NP6EBVP1G	NP7UECVP1G	NP6EKVP1GA
NP6DJLP16G	NP7LDV20P1	NP6EBVP6G	NP7UY045P1G	NP6EKVP6G
NP6DJLP1S	NP7MSTGSP1	NP6EKVP16S	NP7V002P1S	NP6EP1G
NP6EBVP16G	NP7UEAVP1G	NP6EKVP1G-SUT	NP7Y050BP1G	NP6J012P6G
NP6EBVP1SPG	NP7UUAP1G	NP6EKVP1SPG	NP8DJLP16G	NP6J060P6G
NP6EKVP16G-SUT	NP7V002P1G	NP6EKVP6SPG	NP8EBVP6G	NP6J700P6G
NP6EKVP1G	NP7Y003P1G	NP6J012P1G	NP8EKVP16SPG	NP6LDV20P1G
NP6EKVP1S	NP8DFLP1G	NP6J060P1G	NP8EKVP1S	NP6LUSV4P1
NP6EKVP6S	NP8DJLP1SPREGAMMA	NP6J200P1G	NP8EKVP6SPG	NP6NAP1G
NP6EP6G	NP8EKVP16S	NP6LDV20P16GBAX	NP8J060P6G	NP6NFP1G
NP6J045P6G	NP8EKVP1GA	NP6LUPRMP1G	NP8LDV20P1G	NP6NFP6G
NP6J100P1G	NP8EKVP6S	NP6MSTGQP1	NP8LUSV4P1	NP6NRP16G
NP6LDV20P1	NP8J025P6G	NP6NFP16G	NP8NBP1G	NP6NTP1G
NP6LPRTP1	NP8LDV20P1	NP6NFP1SPG	NP8UECVP1G	NP6U010ZP1G
NP6MSTGEP1	NP8LUPRMP1G	NP6NFZP1G	NP8UY045P1G	NP6UBP6G
NP6NAZP1G	NP8MSTGQP1	NP6NRP6G	NP8UY400P1G	NP6UEAVP1S
NP6NFP1S	NP8UEAVP16G	NP6PFRP6G	NP8Y003P6G	NP6UEAVP6G-SUT
NP6NFZP16G	NP8UEDFP1G	NP6U640ZP1	NP8Y050P6G	NP6UEDFP16GSUS
NP6NRP1G	NP8UY200P1G	NP6UEAVP1G	NP5LDJLP16G	NP6UEDFP1SPG
NP6NTZP1G	NP8Y003P1G	NP6UEAVP6G	NP5LNBP6G	NP6UEDTP1G
NP6U010ZP6G	NP8Y050BP1G	NP6UECVP1G	NP5LUEDFP16G	NP6UY045P1G
NP6UDV20P1	NP5LDFLP1G	NP6UEDFP1S	NP5LUPRMP1G	NP6V002P19G
NP6UEAVP1SPG	NP5LEKVP6G	NP6UEDTP16G	NP5V002P1S	NP6V002P1GNV
NP6UECVP16G	NP5LUECVP1G	NP6UY020P1G	NP692DP16G	NP6V002P6G

NP6Y005P6G	NP7EKVP1G	NP7UY700P1G	NP8EKVP1SPG	NP8UEDFP1
NP6Y050BP1G	NP7EKVP6G	NP7V002P1SPG	NP8J006P1G	NP8UY060P1G
NP6Y1200P1G	NP7J006P6G	NP898DP6G	NP8J100P1G	NP8V1006
NP7A015P6G	NP7MSTGQP1	NP8DJLP1G	NP8LDV20P1SP GNV	NP8Y010P6G
NP7DFLP1G	NP7UBP6G	NP8EKVP16G	NP8MSTGEP1	
NP7DJLP16G	NP7UEDFP1G	NP8EKVP1G	NP8NTP1	

**Affected Part Numbers, Starting with NT- Made in Puerto Rico
(Added in Revision 01)**

NT692SP1G	NT6UEDFP1SPREGAMMA	NT7NRP1G	NT8NFP1G
NT692SP1S	NT6UEDTP1G	NT7NXP1G	NT8NFZP1G
NT692SP1SPG	NT6UUAP1G	NT7PFRP1	NT8NFZP1S
NT694DP1G	NT6UY045P1G	NT7UEAVP1G	NT8NFZP1SPG
NT6A030P1G	NT6V002P1G	NT7UEDFP1G	NT8NGZ01P1B1GA
NT6DBLP1G	NT6Y010P1G	NT7UEDFP1S	NT8NGZ01P1GA
NT6DFLP1B1G	NT6Y100P1H1G	NT7UEDFP1SPG	NT8NGZ01P1H1G
NT6DFLP1G	NT792DP19G	NT7UEDTP1G	NT8NTP1G
NT6DJLP1B1G	NT792DP1G	NT7UPRMP1G	NT8UBP1G
NT6DJLP1G	NT792DP1G-SUT	NT7Y003P1G	NT8UDV20P1G
NT6DJLP1G-SUT	NT792SP1G	NT7Y010P1G	NT8UEAVP1
NT6DV20P1G	NT792SP1S	NT7Y010P1H1G	NT8UEAVP1B1
NT6EBVP1G	NT792SP1SPG	NT7Y030P1G	NT8UEAVP1B1A
NT6EBVP1GA	NT7DBLP1G	NT7Y050P1H1GA	NT8UEAVP1B1G
NT6EBVP1SPREGAMMA	NT7DBLP1G-SUT	NT892DP1G	NT8UEAVP1G
NT6EKVP1B1G	NT7DFLP1G	NT894DP1B1G	NT8UEAVP1H1
NT6EKVP1G	NT7DFLP1H9G	NT8DFLP1G	NT8UEDFP1B1A
NT6EKVP1S	NT7DJLP1G	NT8DJLP1G	NT8UEDFP1G
NT6EKVP1SPG	NT7DJLP1H1G	NT8DJLP1GA	NT8UEDFP1S
NT6J006P1G	NT7DJLP1H1GA	NT8DJLP1H1G	NT8UEDFP1SPG
NT6J012P1	NT7DJLP1H9G	NT8DJLP1H1GA	NT8UUAP1T1G
NT6J012P1G	NT7DJLP1S	NT8DV20P1G	NT8UY045P1G
NT6J012P1H1G	NT7DJLP1SPG	NT8DV20P1GNOVAL	NT8UY100P1G
NT6NAP1G	NT7DV20P1G	NT8EKVP19G	NT8UY200P1G
NT6NAZP1G	NT7EBVP1G	NT8EKVP1B1G	NT8V002P1G
NT6NFZP1G	NT7EKVP1B1G	NT8EKVP1G	NT8Y005P1G

NT6NLP1G	NT7EKVP1G	NT8EKVP1H1S	NT8Y005P1T1G
NT6NRP1G	NT7EKVP1S	NT8EKVP1H1SPG	NT8Y010P1G
NT6NTP19	NT7EKVP1SPG	NT8EKVP1H9G	NT8Y010P1H1G
NT6P2501	NT7EP1G	NT8EKVP1S	NT8Y050BP1S
NT6PFRP1	NT7J012P1	NT8EKVP1SPG	NT8Y050BP1SPG
NT6U2-20ZP1G	NT7J012P1B1G	NT8EP1G	NT8Y050P1B1GA
NT6UBP1G	NT7J025P1G	NT8J100P1G	NT8Y050P1GA
NT6UDV50P1G	NT7NFP1B1G	NT8J200P1S	NT8Y050P1T1G
NT6UEAVP1G	NT7NFP1G	NT8J200P1SPG	NT8Y100P1H1G
NT6UECVP1G	NT7NFZP1G	NT8NAP1S	
NT6UEDFP1G	NT7NGZ01P1GA	NT8NAP1SPG	
NT6UEDFP1S	NT7NGZ01P1H1GA	NT8NFP1B1G	

Appendix 7 – Single-Use Systems Incorporating Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico

Single-Use Systems with Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico				
705394	5090-0545M	5090-0851Z	509-1013	509-2454
705399	5090-0545N	5090-0860D	509-1081	509-2458
730025	5090-0547B	5090-0868N	509-1109	509-2496
730039	5090-0572E	5090-0869K	509-1133	509-2507
730420	5090-0577K	5090-0887H	509-1204	509-2522
730421	5090-0590C	5090-0894Y	509-1296	509-2523
730908	5090-0592U	5090-0902Y	509-1340	509-2534
730924	5090-0608B	5090-0918L	509-1367	509-2535
731151	5090-0616M	5090-0926P	509-2002	509-2553
731153	5090-0637N	5090-0983W	509-2003	509-2567
731209	5090-0638F	5090-0994U	509-2010	509-2568
6075392	5090-0645T	5090-1000L	509-2027	509-2586
030 70170	5090-0649Z	5090-1000T	509-2062	509-2587
4090-0998Z	5090-0663T	5090-1000U	509-2066	509-2588
4190-0880A	5090-0664M	5090-1000V	509-2071	509-2589
4402-0535R	5090-0686E	5090-1009Q	509-2072	509-2593
5090-0368N	5090-0686F	5090-1010H	509-2081	509-2595
5090-0371N	5090-0708X	5090-1017P	509-2119	509-2597
5090-0371Q	5090-0710H	5090-1058D	509-2155	509-26
5090-0375V	5090-0718D	5090-1060L	509-2160	509-2606
5090-0375W	5090-0718E	5090-1070R	509-2187	509-2629
5090-0381A	5090-0741C	5090-1070X	509-2241	509-2639
5090-0381B	5090-0742X	5090-1076S	509-2256	509-2646
5090-0389E	5090-0767Z	5090-1076W	509-2258	509-2647
5090-0394K	5090-0781C	5090-1107C	509-2268	509-2657
5090-0397D	5090-0797L	5090-1157R	509-2289	509-2666
5090-0406B	5090-0804A	5090-1157S	509-2293	509-2673
5090-0406E	5090-0804D	5090-1162E	509-2300	509-2681
5090-0419Q	5090-0808R	5090-1163S	509-2301	509-2682
5090-0419S	5090-0808S	5090-1175H	509-2331	509-2701
5090-0422E	5090-0808T	5090-1177R	509-2361	509-2711
5090-0431S	5090-0809U	5090-1213R	509-2377	509-2746
5090-0441S	5090-0809V	5090-1232Y	509-2378	509-2748
5090-0444Q	5090-0809Z	5090-1261S	509-2379	509-2802
5090-0460X	5090-0821U	5090-1262J	509-2380	509-2804
5090-0476U	5090-0827T	5090-1262K	509-2387	509-44
5090-0491E	5090-0829Q	5090-1264Z	509-2429	509-587
5090-0529F	5090-0835V	509-05	509-2446	509-599

Single-Use Systems with Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico				
509-647	6090-0331P	6090-0400N	6090-0525L	6090-0634S
509-65	6090-0333N	6090-0400P	6090-0526B	6090-0634T
509-68	6090-0334C	6090-0401F	6090-0526C	6090-0637C
509-804	6090-0340N	6090-0401Q	6090-0532W	6090-0640E
509-825	6090-0342H	6090-0401R	6090-0538V	6090-0640S
509-85	6090-0342K	6090-0401T	6090-0540B	6090-0648P
509-855	6090-0342N	6090-0403J	6090-0542G	6090-0658Q
509-87	6090-0343E	6090-0403K	6090-0545U	6090-0660U
5190-0426T	6090-0344C	6090-0406T	6090-0545V	6090-0662C
5190-0463L	6090-0344D	6090-0416K	6090-0545W	6090-0662F
5190-0691K	6090-0344G	6090-0416M	6090-0547X	6090-0662Z
5190-0691M	6090-0344S	6090-0417C	6090-0552L	6090-0666R
5190-0749F	6090-0347G	6090-0423N	6090-0555L	6090-0680W
5190-0881J	6090-0353J	6090-0423R	6090-0559V	6090-0680Y
5190-0924B	6090-0353K	6090-0424F	6090-0562G	6090-0681D
5190-1034N	6090-0355C	6090-0427A	6090-0562N	6090-0681M
5190-1034P	6090-0356W	6090-0427L	6090-0566U	6090-0681P
5190-1252B	6090-0358B	6090-0438E	6090-0573Y	6090-0688U
5290-0406B	6090-0359J	6090-0438G	6090-0576S	6090-0699N
5290-0419Q	6090-0361A	6090-0438X	6090-0588G	6090-0703T
5292-1280N	6090-0364R	6090-0439W	6090-0590A	6090-0705A
5390-0444P	6090-0378P	6090-0441H	6090-0590M	6090-0713H
5470-0812J	6090-0380N	6090-0444N	6090-0597C	6090-0719N
6090-0302G	6090-0380P	6090-0448N	6090-0606U	6090-0721L
6090-0306D	6090-0380R	6090-0462A	6090-0615W	6090-0732T
6090-0306U	6090-0380Y	6090-0466H	6090-0618Z	6090-0739N
6090-0310C	6090-0382Y	6090-0468Y	6090-0621P	6090-0740M
6090-0311V	6090-0382Z	6090-0473Y	6090-0624K	6090-0760N
6090-0311Z	6090-0383A	6090-0477C	6090-0625G	6090-0773X
6090-0316W	6090-0384E	6090-0478E	6090-0625H	6090-0793S
6090-0317J	6090-0387H	6090-0478F	6090-0625J	6090-0793X
6090-0317Y	6090-0388C	6090-0479V	6090-0625M	6090-0796M
6090-0320Q	6090-0393Q	6090-0479X	6090-0625N	6090-0799X
6090-0328F	6090-0395T	6090-0481Q	6090-0625P	6090-0803C
6090-0328G	6090-0396D	6090-0483G	6090-0626U	6090-0803D
6090-0328P	6090-0396E	6090-0498X	6090-0630K	6090-0811V
6090-0328Q	6090-0399W	6090-0517R	6090-0632J	6090-0837Y
6090-0331K	6090-0399Z	6090-0517X	6090-0632U	6090-0837Z

Single-Use Systems with Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico				
6090-0842L	6090-0969H	6090-1156U	609-103D	609-122U
6090-0861U	6090-0969M	6090-1158E	609-103E	609-122V
6090-0865U	6090-0969U	6090-1158F	609-103F	609-123S
6090-0867A	6090-0969Y	6090-1158G	609-103N	609-123T
6090-0872F	6090-0981M	6090-1158H	609-103Q	609-124K
6090-0872G	6090-0982J	6090-1164C	609-103R	609-125S
6090-0872H	609-00A	6090-1167K	609-103S	609-126L
6090-0872Z	6090-1003P	6090-1170N	609-103T	609-126N
6090-0873A	6090-1005V	6090-1171E	609-106W	609-128B
6090-0878W	6090-1005W	6090-1172C	609-106X	609-128X
6090-0878X	6090-1011D	6090-1172G	609-107D	609-12A
6090-0884N	6090-1013F	6090-1176F	609-107K	609-12C
6090-0904Z	6090-1014D	6090-1176H	609-107X	609-132C
6090-0905H	6090-1015A	6090-1178U	609-108A	609-132D
6090-0905K	6090-1017R	6090-1183M	609-108B	609-132P
6090-0905M	6090-1031K	6090-1186E	609-108Q	609-133Z
6090-0905N	6090-1046Y	6090-1193T	609-109R	609-134K
6090-0910F	6090-1046Z	6090-1221Z	609-109S	609-13E
6090-0912L	6090-1050C	6090-1222A	609-109U	609-14K
6090-0912M	6090-1071R	6090-1223X	609-110P	609-16N
6090-0912T	6090-1074D	6090-1224D	609-110T	609-17B
6090-0914W	6090-1078Y	6090-1224R	609-110U	609-17E
6090-0919C	6090-1079H	6090-1224S	609-110X	609-17H
6090-0926Y	6090-1081R	6090-1224T	609-112P	609-17N
6090-0926Z	6090-1081S	6090-1228M	609-113W	609-17P
6090-0927A	6090-1107E	6090-1228N	609-115Q	609-17V
6090-0927B	6090-1122G	6090-1229L	609-116P	609-17W
6090-0929R	6090-1122S	6090-1274C	609-116R	609-17X
6090-0933W	6090-1124U	6090-1279K	609-117K	609-19A
6090-0934B	6090-1126G	6090-1279X	609-117P	609-19B
6090-0934C	6090-1126H	6090-1281Q	609-117Z	609-19C
6090-0941M	6090-1132G	6090-1289K	609-118W	609-19Q
6090-0941U	6090-1132M	6090-1296H	609-118X	609-19V
6090-0948E	6090-1136A	6090-1297R	609-118Y	609-19W
6090-0952A	6090-1139S	6090-1305G	609-119R	609-201E
6090-0960U	6090-1153K	6090-1305H	609-119S	609-201K
6090-0966W	6090-1156S	6090-1305J	609-11U	609-201M
6090-0968U	6090-1156T	6090-1305K	609-120X	609-20H

Single-Use Systems with Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico				
609-21D	609-49Z	609-94X	6290-0959X	6412-1189Q
609-23Q	609-51N	609-95J	6290-1019J	6450-0371A
609-24A	609-52G	609-95Z	6291-1232F	6450-0442Z
609-24G	609-52K	609-96X	6291-1242U	6452-0553P
609-24V	609-53G	609-98F	6291-1296K	6452-0553Q
609-25B	609-53V	609-98G	6390-0445R	6470-1000J
609-27H	609-58J	609-P10V	6390-0498J	6480-0370E
609-27S	609-59B	6190-0323H	6390-0498L	6480-0564W
609-30E	609-61Q	6190-0697J	639-104L	6480-0668B
609-34A	609-63E	6190-0765K	639-104M	6480-0781L
609-35S	609-64R	6190-0778L	639-104N	6480-0794D
609-36A	609-66J	6190-0778M	639-110F	6480-0794F
609-36B	609-66K	6190-0815V	639-110G	6480-0958U
609-36M	609-66Y	6190-0843V	639-112E	6480-1009K
609-36P	609-67A	6190-0863Y	639-112N	6480-1076R
609-36X	609-68Q	6190-0871Y	639-114P	6480-1123C
609-36Z	609-69U	6190-0871Z	639-114Q	6480-1124F
609-37A	609-70A	6190-0901V	639-121Z	6480-1184P
609-37E	609-72V	6190-0944R	639-132U	6493-1285U
609-37F	609-73M	6190-0971C	639-64N	7090-0304X
609-37K	609-75P	6190-1058E	639-P17H	7090-0304Y
609-37N	609-76W	6190-1081G	6401-0729V	7090-0324U
609-38X	609-77B	6190-1091S	6403-0996E	7090-0328L
609-39V	609-77G	6190-1091T	6403-1144L	7090-0343E
609-39X	609-77Y	6190-1162H	6403-1144M	7090-0352C
609-41R	609-79Z	6190-1162J	6403-1151F	7090-0443A
609-44C	609-81B	6190-1174D	6403-1151H	7090-0488P
609-44V	609-81E	6190-1197Y	6404-1042G	7090-0495Z
609-45E	609-81K	6190-1234N	6404-1042Q	7090-0496A
609-45L	609-81X	6190-1296P	6404-1084K	7090-0496B
609-45M	609-82J	6190-1304Q	6404-1084M	7090-0496C
609-45N	609-83C	619-84Y	6404-1162M	7090-0496H
609-46K	609-83D	6290-0400L	6404-1220L	7090-0496J
609-46L	609-84W	6290-0466K	6404-1220Q	7090-0496K
609-46V	609-87E	6290-0492V	6412-0623V	7090-0503E
609-48J	609-89Z	6290-0721Q	6412-0668N	7090-0503F
609-49K	609-92J	6290-0732S	6412-0669A	7090-0690W
609-49Y	609-92K	6290-0860B	6412-0891S	7090-0715Z

Single-Use Systems with Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico				
7090-0716A	709-08X	7190-1211T	8190-1061K	X-5090-0539W
7090-0738V	709-09S	7290-1161X	8190-1064L	X-5090-0742X
7090-0796S	709-10A	7390-0326N	9090-1019D	X-5090-0771K
7090-0798L	709-11P	739-43F	9090-1029F	X-5090-0793A
7090-0798W	709-11V	739-55Z	9090-1108B	X-5090-0842J
7090-0803E	709-12P	739-57P	9090-1108E	X-5090-0851E
7090-0803G	709-32K	7404-0324A	9090-1108Z	X-5090-0891V
7090-0803K	709-33A	7404-0324B	9090-1109A	X-5090-0922M
7090-0803L	709-33C	7404-0324C	9430-0603P	X-5090-0975N
7090-0803M	709-33G	7404-0324M	9430-0807L	X-5090-1106V
7090-0844Y	709-33M	7404-0439A	9444-1142C	X-5090-1113W
7090-0871M	709-33N	7404-0689T	9444-1142N	X-5090-1238V
7090-0935A	709-33R	7430-0305L	9444-1142P	X-5090-1239V
7090-0938V	709-33S	7430-0306L	9444-1142Q	X-5090-1240N
7090-0986K	709-38H	7430-0349G	9444-1202H	X-509-2072
7090-0989D	709-43J	7430-0436A	JMSCUA5X037900	X-5190-1054X
7090-1053V	709-43K	7430-0528F	JMSCUF3M134600	X-5390-0444P
7090-1053X	709-47V	7430-0528K	JMSCUF3M179600	X6090-1243S
7090-1070S	709-48F	7430-0528M	JMSCUF3M192301	X609-110P
7090-1084U	709-49J	7430-0805G	JMSMFXXM169101	X609-110U
7090-1084V	709-51L	7430-0828G	NL03908	X609-37A
7090-1088D	709-53B	7430-0929S	NL08405	X6407-1068M
7090-1204Y	709-53L	7430-0995V	NL08720	X6412-0891S
7090-1204Z	709-53M	7430-0997R	NL08747	X6412-1127T
7090-1205A	709-53N	7430-0999F	NL08753	X6412-1127U
7090-1205C	709-55M	7430-1002S	NL08987	X7090-0324U
7090-1205N	709-55N	7430-1084A	SUB-509-2802B	X7404-0324A
7090-1221M	709-58D	7430-1084B	X4404-1183LNS	X7404-0324B
709-01H	709-58E	743-50V	X4404-1301VNS	X7404-0324C
709-01I	709-59G	743-50Y	X-5090-0404M	X7404-0439A
709-02H	709-59Y	743-51R	X-5090-0419S	X-8190-1061K
709-03Y	709-60C	743-51S	X-5090-0441S	X-8190-1064L
709-04G	709-61F	743-51T	X-5090-0444Q	
709-04N	709-62M	743-51U	X-5090-0449Q	
709-06N	709-62Q	743-54L	X-5090-0449R	
709-06Q	7190-0987L	743-60G	X-5090-0491E	
709-08A	7190-1039M	746-64M	X-5090-0497X	
709-08V	7190-1186F	7480-0844V	X-5090-0539K	

Single-Use Systems with Affected Filters made in Ilfracombe, UK and Fajardo, Puerto Rico (Added in Revision 01)				
6090-0517V	509-2611	509-2070	509-585	
6090-0376T	509-2520	509-1376	509-38	
6090-0371J	509-2471	509-1216		
639-116C	509-2440	509-805		
609-20X	509-2223	509-585		

Document History

Revision Number	Date	Comments
00	May 1, 2020	Original document
01	May 4, 2020	Adds parts (Appendix 6 Parts made in Puerto Rico ending in NT, and Appendix 7, single-use parts added)