

# Technical Bulletin

## Filter washing instructions

This bulletin provides information on how to wash the washable foam and pleated filters. Follow the preventative maintenance schedule for the appropriate filter product for information on how often the filter should be washed or replaced.

Washable foam filters and washable pleated filters can be washed to a maximum of 10 washes, provided the filter is in good, damaged-free condition.

Inspect the filter before and after each wash, making sure to dispose and replace the filter if there are any tears or damage.

## Affected products

The following products are affected.

### Affected Cinema products

- CP2309-RGB
- CP2315-RGB
- CP2320-RGB
- CP2415-RGB
- CP2420-RGB
- CP2420-Xe
- CP24xx-RBe
- CP44xxm-RGBH
- CP43xx-RGB
- CP44xx-RGB
- CP4420-Xe

### Affected Enterprise products

- Christie M RGB Series
- Sapphire<sup>®</sup> 4K40-RGBH
- Crimson WU31
- Griffyn<sup>®</sup> Series

## Affected components

The following components are affected.

If you want to know the quantity of filters in the service kit you plan to purchase, contact Christie Technical Support.

### Affected Cinema components

Description	Service part number	Filter part number	Affected products
<b>Foam filter</b>			
Radiator filter	003-006588-XX	011-108518-XX	• CP2309-RGB

Description	Service part number	Filter part number	Affected products
			<ul style="list-style-type: none"> <li>• CP2315-RGB</li> <li>• CP2320-RGB</li> <li>• CP2415-RGB</li> <li>• CP2420-RGB</li> </ul>
Radiator filter	003-007079-XX	011-109533-XX	<ul style="list-style-type: none"> <li>• CP4415-RGB</li> <li>• CP4420-RGB</li> </ul>
Radiator filter	003-006463-XX	011-108081-XX	<ul style="list-style-type: none"> <li>• CP4315-RGB</li> <li>• CP4320-RGB</li> <li>• CP4325-RGB</li> <li>• CP4330-RGB</li> <li>• CP4425-RGB</li> <li>• CP4430-RGB</li> <li>• CP4435-RGB</li> </ul>
Air intake filter	003-006819-XX	011-109006-XX	<ul style="list-style-type: none"> <li>• CP4440-RGB</li> <li>• CP4445-RGB</li> <li>• CP4450-RGB</li> <li>• CP4455-RGB</li> </ul>
Air filter LE	003-004654-XX	011-104606-XX	<ul style="list-style-type: none"> <li>• CP2406-RBe</li> <li>• CP2409-RBe</li> <li>• CP2411-RBe</li> </ul>
Air filter card cage	003-004655-XX	011-104607-XX	<ul style="list-style-type: none"> <li>• CP2406-RBe</li> <li>• CP2409-RBe</li> <li>• CP2411-RBe</li> </ul>
<b>Pleated filter</b>			
Light engine filter	003-007394-XX	011-110474-XX	<ul style="list-style-type: none"> <li>• CP2309-RGB</li> <li>• CP2315-RGB</li> <li>• CP2320-RGB</li> <li>• CP2415-RGB</li> <li>• CP2420-RGB</li> </ul>
Light engine filter	003-007395-XX	011-110436-XX	<ul style="list-style-type: none"> <li>• CP4315-RGB</li> <li>• CP4320-RGB</li> <li>• CP4325-RGB</li> <li>• CP4330-RGB</li> </ul>

Description	Service part number	Filter part number	Affected products
			<ul style="list-style-type: none"> <li>• CP4415-RGB</li> <li>• CP4420-RGB</li> <li>• CP4425-RGB</li> <li>• CP4430-RGB</li> <li>• CP4435-RGB</li> <li>• CP4440-RGB</li> <li>• CP4445-RGB</li> <li>• CP4450-RGB</li> <li>• CP4455-RGB</li> </ul>
Light engine filter	003-007396-XX	011-110475-XX	<ul style="list-style-type: none"> <li>• CP2420-Xe</li> <li>• CP4420-Xe</li> </ul>
Radiator filter	003-007397-XX	011-110476-XX	<ul style="list-style-type: none"> <li>• CP2420-Xe</li> <li>• CP4420-Xe</li> </ul>
Air intake filter	003-007742-XX	011-111296-XX	<ul style="list-style-type: none"> <li>• CP4410m-RGBH</li> <li>• CP4415m-RGBH</li> <li>• CP4420m-RGBH</li> </ul>

### Affected Enterprise components

Description	Service part number	Filter part number	Affected products
<b>Foam filter</b>			
Filter air intake	003-007152-XX	011-109905-XX	<ul style="list-style-type: none"> <li>• Christie M 4K15 RGB</li> <li>• Christie M 4K+15 RGB</li> <li>• Christie M 4K25 RGB</li> <li>• Christie M 4K+25 RGB</li> </ul>
Filter air intake	003-007274-XX	011-110194-XX	<ul style="list-style-type: none"> <li>• Griffyn™ 4K35-RGB</li> <li>• Griffyn™ 4K50-RGB</li> <li>• Sapphire® 4K40-RGBH</li> </ul>
<b>Pleated filter</b>			
LE intake filter	003-007394-XX	011-110474-XX	<ul style="list-style-type: none"> <li>• Crimson WU31</li> </ul>
LE intake air filter	003-007396-XX	011-110475-XX	<ul style="list-style-type: none"> <li>• Griffyn™ 4K32-RGB</li> </ul>

## Required equipment

The following equipment is required to clean the filter.

- 1 or 2 buckets large enough to contain the filter
- Dishwashing gloves
- Splashproof safety glasses
- Household mild laundry detergent
- Extra clean, dry filter

## Cleaning the washable foam filter

Follow these steps to clean the washable foam filter.

1. Remove the washable foam filter from the product.
2. Fill a bucket with water at a temperature between 50 to 65°C (between 122 to 149°F).
3. Add the laundry detergent to the water according to the manufacturer's directions.
4. Immerse the dirty filter in the bucket.
5. To let the water flow through the filter, gently agitate the filter for approximately two minutes.
6. Let the filter soak in the water for 15 minutes.
7. Turn the filter upside down.
8. Agitate the filter again for approximately two minutes.
9. Remove the filter from the water.
10. Follow local guidelines to dispose of the dirty detergent solution.
11. Using the empty bucket or a new bucket, fill it with clean hot water.
12. Rinse the filter in the bucket by agitating the filter for one minute.
13. Remove the filter.
14. Air dry the filter, making sure it is protected during the drying process.  
It may take the filter three to four hours to completely dry.
15. To use the product in the meantime, install a new clean, dry filter.
16. Once the filter is completely dry, shake the filter to remove any remaining debris.
17. Inspect the filter for any tears.
18. If the filter has any tears, dispose of it.
19. When the filter is completely dry, re-install it in the product.

## Cleaning the washable pleated filter

Follow these steps to clean the washable pleated filter.

1. Remove the washable pleated filter from the product.
2. Inspect the filter for damage.
3. If the filter has any damage such as bad gaskets, dented metal parts, or torn media, dispose of it.

4. Using compressed air (100 psi maximum), blow the loose surface dust off the filter, blowing from the inside out in the opposite direction of the arrow to prevent forcing the dust into the media pores.
5. Fill the bucket with water at a temperature between 50 to 65°C (between 122 to 149°F) and laundry detergent according to the manufacturer's directions.
6. Immerse the filter in the bucket.
7. Gently agitate the water by running an air hose into the bucket.
8. Rinse the filter with a water hose (40 psi maximum) both inside and outside.
9. Using compressed air (50 psi), blow excess water off the filter from the inside out, in the opposite direction of the arrow.
10. Dry the filter, making sure it is protected from dust during the drying process.  
Christie does not recommend drying at temperatures above 71°C (160°F).
11. When the filter is completely dry, re-inspect the filter for any damage.  
It may take the filter three to four hours to completely dry, depending on the conditions.
12. If the filter is damaged, dispose of it.
13. When the filter is completely dry, re-install it in the product.
14. To use the product in the meantime, install a new clean, dry filter.
15. Follow local guidelines to dispose of the detergent solution.

## Technical support

Technical support for Christie Cinema products is available at:

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- +1-877-334-4267

Technical support for Christie Enterprise products is available at:

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