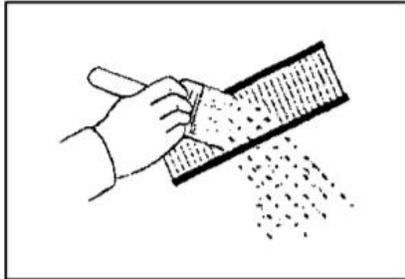


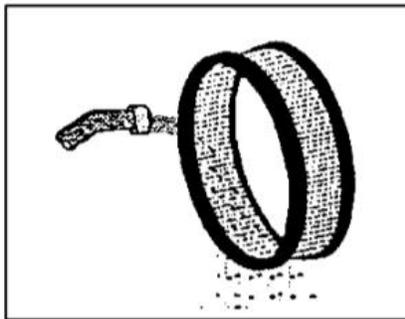
Important Filter Service Information

Bin-Vent/ Take-off Box Filter Cartridges



1. **Pre-Clean:** Gently tap the element on a hard surface, or vacuum using a soft-brush head attachment, to dislodge large embedded particles. Next gently brush with a soft bristle brush (a paint brush works well for this application).

2. **Clean:** Spray air filter cleaner liberally over entire element. Let stand 10 minutes.



3. **Rinse:** Using low-pressure water rinse off the element. Ordinary tap water is acceptable. Always flush from the clean side towards the dirty side. This allows for the removal of debris without reintroducing debris back into the filter-media surface.

4. **Dry:** After thoroughly rinsing, gently shake off excess water and completely air-dry before placing filter back into service.

CLEANING HINTS:	DRYING HINTS:
The following NO's can cause harm to the filter media or special coatings as well as shrink and harden the rubber-coated end caps.	Always allow filter to dry naturally. Excess heat will shrink cotton filter media, while compressed air will blow holes in the element.
NO gasoline or parts cleaning solvents.	DO NOT use compressed air.
NO high-pressure car wash or steam cleaning.	DO NOT use open flame.
NO strong detergent or caustic cleaning solution.	DO NOT use heat dryer.

Central Filter / Central Receiver Filter Cartridges

Non-Woven, Spun Bound Filter Element Cleaning

Your filter elements are cleanable, but you must use care and follow the procedures outlined below. When cleaning your filter, any abrasion to the surface will adversely affect the filter's performance.

CAUTION: Do not use high-pressure air or water. Do not use stiff-bristle brushes or similar devices. Do not use oils, solvents or harsh detergents. DO NOT apply direct (perpendicular to the pleated surfaces) pressure on the dust side of the filter. DO wear appropriate protective clothing for the contaminant you are cleaning and ensure any residue generated is properly contained and discarded per local environmental regulations.

Cleaning: Dry Method

1. Clean cartridge, off line (fan off), for 10 minutes with pulse frequency on 15-second intervals at 80-100 psi or as close as you can come to those levels given your equipment design. Leave your pulse duration at 100 milliseconds.
2. Remove element from the unit and clean with compressed air wand (Do Not exceed 50-70psi) from a air hose/orifice attachment $\varnothing 3/8$ " inch or larger to protect the filter. Move the wand up and down, covering the entire area of the filter element. If your contaminate is still visible on the outside (dust side) of the element, clean the outside with the air wand, moving parallel with the pleat and held at a 45° angle to the pleat's surface. Try to remove the contaminant from the surface without forcing it into the pores of the filter. When finished, move the wand back to the interior and go over the interior one more time to remove any particles that may have been forced into the pores resulting from your dust-side cleaning.
3. Vacuuming is an acceptable option if a soft-bristle brush head or similar device is used to protect the filter.
4. Brushing with a soft-bristled brush (painter's type) is acceptable to help loosen the material. Brushes stronger than the vacuum-type dust head should not be used as filter-media damage may result.

If you have to frequently manually clean the filter(s), please review your specific operating conditions with PCI Customer Service or contact your local PCI representative.

Cleaning: Wet Method

1. Prior to Wet Method Cleaning - remove excess dust as outlined in the "Dry Cleaning Method" section.
2. Place element in a 2% - 3% solution (about 4 oz. per gallon) of mild dish washing soap (Joy, Ivory, Palmolive, etc.) and let the cartridge soak for 10 minutes.

3. Remove the element and wash from the inside to outside with hose water, not to exceed 50-70psi, and a water stream of 3/8-inch diameter or larger. After thoroughly washing from the inside, rinse the outside.
4. Rinsing the dust-side of the filter is accomplished with a water stream at a 45° angle and parallel (along) direction of the pleats (as outlined above).
5. Allow the element dry completely, normally 24 to 48 hours at 70°F or lower. Do not dry in collector with fan.

If your filter(s) require frequent manual cleaning, please review your specific operating conditions with PCI Customer Service or contact your local PCI representative.

PTFE Membrane Filter Element Cleaning

PTFE-coated membrane filter elements are cleanable, but exercise care while closely following the procedure outlined below. PTFE-coated membranes are only 1 to 1½ mills thick (about 1/8 the thickness of plumber's tape) laminated on a non-woven, spun bound substrate.

CAUTION: Do not use high-pressure air or water. Do not use any brushes or similar devices. Do not use any oils, solvents or harsh detergents. Do not use direct pressure on the dust side of the filter. Wear appropriate protective clothing for the contaminant you are cleaning and ensure any residue generated is properly contained and discarded.

Cleaning: Dry Method

1. Clean cartridge, off line (fan off), for 10 minutes with pulse frequency on 15-second intervals at 60 psi or as close as you can come to those levels given your equipment design. Leave your pulse duration at 100 milliseconds.
2. Remove the element from the unit and clean with compressed air wand at 60 psi. The size of the wand orifice needs to be Ø3/8-inch or larger to protect the membrane. Move the wand up and down, covering the entire area of the filter element. If your contaminate is still visible on the outside (dust side) of the element, clean the dust-side with the air wand, moving parallel with the pleat and held at a 45° angle to the pleat's surface. Try to remove the contaminant from the surface without forcing it into the pores of the filter. When finished, move the wand back to the interior and go over the interior one more time to remove any particles that may have been forced into the pores from your dust-side cleaning.

Cleaning: Wet Method

1. Pre-cleaning as outlined in the "Dry Cleaning Method" section.
2. Place element in a 2% - 3% solution (about 4 oz. per gallon) of mild dish washing soap (Joy, Ivory, Palmolive, etc.) and let the cartridge soak for 10 minutes.



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3. Remove the element and wash from the inside to outside with hose water, not to exceed 50psi with stream of water using a $\text{\O}3/8$ -inch or larger hose– without high-pressure nozzle attachments – held 45° from surface. After thoroughly washing from the inside, rinse the outside.
 4. Rinse dust-side with water stream at a 45° angle and parallel to the pleats (same as above).
 5. Allow the Filter to air-dry completely, normally 24 to 48 hours at 70°F or higher. Do not fan-dry inside unit.

Again, if you are frequently cleaning the filter(s) manually, please review your specific operating conditions with PCI Customer Service or contact your local PCI representative.