

Maintenance & Operating Instructions

For

Dixon Bayco

PC5000

Inline High Pressure Air Filtration for 4" Air Lines

For Sales and Service Contact

USA:

Dixon Bayco USA
Chestertown, Maryland
Phone: 410-778-2000
Fax: 410-778-4702
Toll Free: 800-355-1991
E-mail: dixonbayco@dixonvalve.com

Canada:

Dixon Group Canada Limited
Innisfil (Barrie), Ontario
Phone: 705-436-1125
Fax: 705-436-6251
Toll Free: 877-963-4966
E-mail: isales@dixongroupcanada.com

Europe:

Dixon Group Europe Ltd
Preston, England
Phone: +44 (0)1772 323529
Fax: +44 (0)1772 314664
E-mail: enquiries@dixoneurope.co.uk

Asia Pacific:

Dixon (Asia Pacific) Pty Ltd Wingfield,
South Australia
Phone: +61 8 8202 6000
Fax: +61 8 8202 6099
E-mail: enquiries@dixonvalve.com.au

Mexico:

Dixva, S. de R.L. de C.V.
Monterrey, N.L.
Phone: 01-800-00-DIXON (34966)
Fax: 01-81-8354-8197
E-mail: contactenos@dixonvalve.com.mx




The Right Connection®

Inspection Procedures

It is our recommendation that in a mobile or trucking application, the PneuClean filter element be inspected on a weekly basis and changed at least every 12 months.

For PneuClean filter element PC5001

The following inspection procedure must be implemented in order for the product warranty to be in effect. Any change or deviation from this procedure voids the Dixon Bayco product warranty and removes Dixon Bayco from any contamination liability.

1. Remove quick disconnect V-clamp and remove end cap.
2.  Open slowly and listen for pressure.
3. Pull the element completely out of the assembly housing
4. Carefully look into the housing at the bottom gasket and guide the plate.
5. Check to see if the white bottom gasket is in place and clean. Replace if missing, broken or damaged. Clean the housing if dirty.
6. Check the inside of the sidewall of the housing for oil residue and small particles. Removed with clean cloth, steam, or cleaning device of choice.
7. Carefully inspect the outer surface of the filter element by looking into the pleated area for very dark colored media, oil or grease residue, fiberglass fibers and caked on product. If this surface appears to have heavy deposits of contaminants such as metal, iron oxide or caked on product, and/or the element has been in service for twelve months it should be replaced.
8. Turn element up on its end where you can look down into the open end. Use a light or flashlight, if needed. Carefully look at the sides of the element.
 - If the screen wire and/or media show signs of deterioration replace immediately.
 - If the screen wire and/or media do not show signs of deterioration, but has been in operation for twelve months, replace immediately.
 - If product is caked up inside this area, replace immediately.
 - If the element has been run longer than twelve months, replace immediately.

9. Inspect lid O-ring and replace if damaged.
10. Loosen adjustments bolt, replace lid and clamp ring. Tighten clamp ring. Tighten adjusting bolt and lock nut. Replace acorn nut.



Do not service this filter canister while under pressure!

We recommend maintaining a filtration inspection log book in establishing a replacement schedule that is optimal for your fleet.

PneuClean Mounting Information

PneuClean should be mounted to the frame or stable platform by using the two mounting brackets (Part # PC5003). These brackets are stainless steel 1.25" x 8.00" in diameter, with feet and 7/16" pre-drilled holes.

When mounting vertically to the frame, the brackets are mounted approximately 6"-8" on center. The mounting brackets are to secure the filtration unit to the tractor; allow at least 6" between the brackets in order to stabilize the unit. There must be at least 20" between the end cap and the road surface in order to remove the filter element.

When mounting horizontally to the frame, the brackets should be mounted approximately 10"-15" on center. There must be at least 20" beyond the end cap in order to remove the filter element for inspection or replacement. In most installations, the quick disconnect coupling (with rain cap) can be used. There should be some type of support for the hot hose, either on the tractor or not on the trailer.

Neither the inlet nor the outlet piping on the PneuClean unit were designed or fabricated to hold non-supported hoses and/or piping. This can void all warranties. Hot hoses and/or piping should be supported with structurally sound brackets, which are not connected to the PneuClean units. Before starting, please inspect the unit for any damage that might have been caused during shipping.

There are two primary places PneuClean filtration units can be mounted, on the road tractor or on the dry bulk trailer

Tractor

When mounting PneuClean on the tractor, the units can be mounted either horizontally or vertically this application offers an added benefit that the filter unit will act as a silencer if mounted within 24" of the blower discharge port.

Do not hard mount the filtration unit to the blower. A soft silicon pipe should be placed between the two. When hard mounted blower vibration has caused stress cracks along the side weldment of the inlet pipe on the filtration unit.

Recommended rubber hose to use between the units is either a 3.5" or 4.5" diameter silicon turbo step-hump-hose. Consider the following while installing the unit:

- The unit can be mounted either horizontally or vertically.
- You must allow a minimum of 6"-8" between mounting bracket anywhere along the tubed housing.
- There must be a minimum of 20" beyond the end cap in order to remove the filter element for inspection or replacement.

Trailer Mounting

There are several ways of mounting PneuClean on dry bulk trailers. The main criteria to remember are:

- The hot hose should be supported; the inlet weldment will not support the hot hose and quick disconnect for a long period of time.
- You can mount vertically or horizontally by bolting the mounting bracket to a structural member or permanent part of the trailer
- Allow a minimum of 6"-8" between mounting bracket anywhere along the tubed housing.
- There must be at least 20" beyond the end cap in order to remove the filter element for inspection or replacement.
- There should be a check valve after the filtration unit to stop any product in the event of reverse flow.

Dixon Bayco Warranty

For complete warranty information, please refer to the latest Dixon catalog.