

# Pneuclean™ Pneumatic Filtration System

Dry Bulk Products

Application:	Designed to remove microscopic particles generated by blowers during pneumatic conveying of contaminant-sensitive dry bulk products. Contaminants such as iron and hydrocarbons are produced by air blowers and can adversely affect dry products such as plastic pellets and food materials. These filter units are typically mounted on dry bulk tanker trailers, but can also be mounted on the tractor. Units are placed after the blower and before the bulk storage tanker. This in-line pneumatic system is also suitable for industrial applications or wherever microscopic filtration (up to 4 microns) of impurities is required.
Standards:	Standard units employ 4" inlets and outlets, choose from schedule 40 pipe, grooved pipe, TTMA flange or 4" cam and groove adapter connections (3" plumbing can be used with available weld-on 4" x 3" cam and groove adapters). Maximum working pressure is <b>50 PSI</b> with a MERV rating of 8.
Materials:	Aluminum canister and lid, stainless V-clamp. Polyester filter material.
Features & Benefits:	<ul style="list-style-type: none"> <li>• Variety of connection types (see chart below for details)</li> <li>• Canister is heavy duty aluminum</li> <li>• Overall weight is 26 lbs.</li> <li>• Maximum air flow is 1000 CFM</li> <li>• Special cartridge-style filter element has a typical life expectancy of approximately 12 months or 2000 hours of service</li> <li>• Noise reduction filter reduces noise by 13.8 db at 600 CFM</li> <li>• FDA medium with 99.99% maximum efficiency at 4 microns</li> <li>• Back pressure <b>0.05 PSI</b></li> <li>• Quick release V clamp for easy inspection and servicing</li> </ul>



PC5000



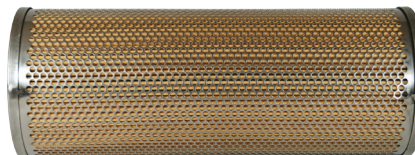
PC5000TTTE

Part #	Description
<b>PC5000</b>	complete Pneuclean™ filtration system with 4" schedule 40 pipe inlet and outlet
<b>PC5000-002</b>	complete Pneuclean™ filtration system with 4" schedule 40 pipe inlet and outlet with Outer Perf Element
<b>PC5000AA</b>	complete Pneuclean™ filtration system with 4" cam and groove adapter inlet and outlet
<b>PC5000VV</b>	complete Pneuclean™ filtration system with 4" grooved pipe inlet and outlet
<b>PC5000TTTE</b>	complete Pneuclean™ filtration system with 4" TTMA flange inlet and 90° 4" male NPT outlet
<b>PC5003</b>	mounting bracket (sold separately, 2 required)

## Replacement Parts



PC5001



PC5001-002

Part #	Description
<b>PC5001</b>	replacement Pneuclean™ filter element, rated to <b>400°F (204°C)</b>
<b>PC5001-002</b>	complete Pneuclean filtration system with 4" schedule 40 pipe inlet and outlet with PC5001-002 element with outer perf
<b>PC5004</b>	replacement V-clamp for securing lid to body
<b>PC5005</b>	replacement lid O-ring seal
<b>PC5006</b>	replacement canister bottom gasket
<b>PC5007</b>	replacement lid

Product instruction sheets and technical data, can be viewed at [dixonvalve.com](http://dixonvalve.com)