

**ENGINEERING STANDARDS**

Rosedale Products, Inc.  
3730 West Liberty Road  
Ann Arbor, MI 48103

IOM  
7\_2\_6 Model 4 San.wpd  
n:\iom\



Issue Date: March 25, 1999  
Revision: A  
Revision Date: 30May2003

Specification No.  
**7.2.6**  
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**INSTALLATION, OPERATION, & MAINTENANCE MANUAL**

# INSTALLATION, OPERATION AND MAINTENANCE MANUAL

**ROSEDALE PRODUCTS, INC.**



**MODEL 4-T**

**125 PSIG RATED CARTRIDGE FILTER UNIT**

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#### I. Installation

Congratulations! You are now the owner of a Rosedale Products Model 4-T Cartridge Filter unit. Our factory has taken great pains to package your unit so it will arrive safely at its destination.

Please remove all shipping and crating materials carefully. Be sure to remove the plugs from the inlet and outlet openings. Dispose of all crating materials safely.

The inlet service line should be connected to the inlet flange located off-center on the bottom of the housing.

The outlet service line should be connected to the outlet flange, located in the center at the bottom of the unit.

There is a Swagelok purge valve on the cover of your Model 4-T Filter Cartridge unit. This port is used for a vent as your application requires.

Some installations require electrical grounding of all equipment, be sure to provide adequate grounding where necessary.

After completing installation, be sure to double check connections for integrity. Your Model 4-T Filter Cartridge unit has been factory pressure tested leak free, therefore, any seepage problems usually occur from improper installation of connections.

Remove the cover by loosening clamp assembly sufficiently to allow it to be removed. Remove clamp assembly and housing away from bottom of the unit.

You are now ready to install the filter cartridge element. Insert your cartridge element (either 222 or 226 style depending on your model) into cartridge pedestal cup located at the bottom of the unit, and press firmly into place. Twist element approximately 90° to lock element in the pedestal. Place the retainer spring on top of the element and seat it against the cartridge. When the cover is closed, it will compress the spring and prevent the element from moving.

Before replacing the cover assembly, inspect the cover seal gasket (replace as necessary). Close cover and tighten the clamp assembly carefully to ensure a leak proof seal between cover and housing body.

Your Rosedale Model 4-T Cartridge Filter is now ready for operation!

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#### II. Operation

Filter System Start-Up Procedure:

Prior to turning on the flow to the inlet service, please make the following checks:

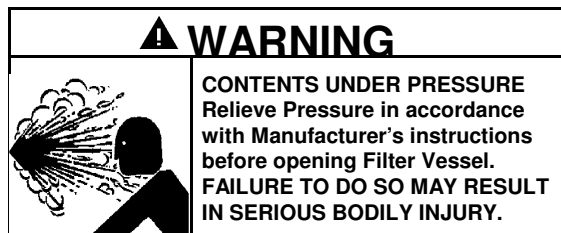
1. Check inside filter unit to be sure filter element is in housing and does not require cleaning or replacement. If necessary, install clean filter element.
2. Check that filter unit cover is securely fastened to housing. You are now ready to open the flow to the inlet service line. Slowly open the inlet service line approximately 25% of normal operational flow. After filter unit is pressurized and vented, slowly open outlet service line valve until completely open. Complete opening of inlet service line until desired flow rate is reached.

Once the desired service flow has been established, the filter will operate efficiently until dirty. However, under no circumstances should more than 20 PSI differential pressure through the cartridge be obtained. Operating the filter unit with a high differential may cause cartridge elements to collapse or cause damage to filter system and downstream equipment.

To prevent excessive drop through the filter unit, regular inspection of the filter media is required. Monitoring of differential pressure through the housing can be utilized as a means of determining whether or not the cartridge element needs cleaning or replacement.

When it becomes necessary to clean or replace the cartridge element, follow the procedure outlined below:

1. First close the flow from the inlet service line.
2. Close the flow to the outlet service line. (In some applications closing flow to outlet is not required.)
3. Relieve the pressure from the filter unit.



4. Drain housing of fluid to prevent bypass of unfiltered fluid.
5. Remove body by loosening clamp assembly sufficiently to allow it to be removed.
6. Remove cartridge element and throw away. (Note: some cartridge elements are re-useable, and can be cleaned. Check with your distributor for details.)
7. Remove debris and sludge from inside the inlet portion of housing to avoid interference with cover seal or flow of fluid being filtered.
8. Install clean cartridge element. Be sure cartridge is seated in the pedestal and top spring is in

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- place.
9. Inspect cover gasket for cuts or other signs of failure and make sure it is properly seated.
  10. Move body back into position, and tighten the clamp assembly carefully to ensure a leak proof seal between cover and housing body.

Your Rosedale Model 4-T is now ready for operation. Refer to filter system start-up procedure.

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#### III. Spare Parts List

Your Rosedale Model 4-T Filter unit will give many years of reliable service provided periodic inspections are made of various components, and replacement of worn parts are made promptly. The following is meant to be a recommended spare parts list, these parts are illustrated on the following page.

SPARE PARTS LIST			
Balloon	Description	Part Number	Time-Frame
20	Cover Seal, TEV	4S-4701	as needed
21	Spring	5-0840	optional
22	Cover Clamp Ass'y	4S-4579	as needed
23	Cartridge Element	see order	as needed

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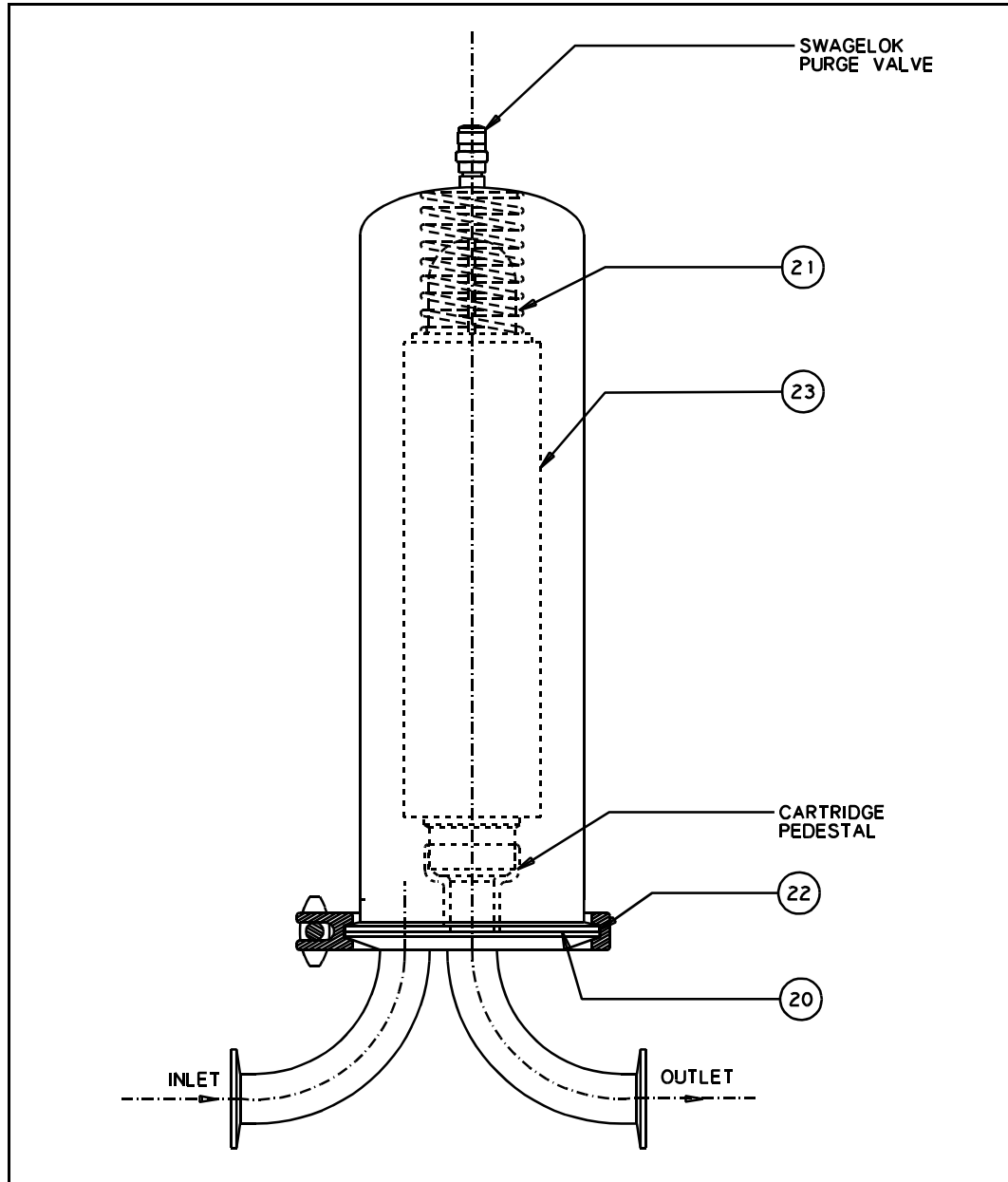


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### IV. Spare Parts Diagram



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Notes:

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#### Important Notice

**Warranty:** In the event any Rosedale Products, Inc. filtration product is found to be defective in material, workmanship, or not in conformance with any express warranty for a specific purpose, Rosedale's only obligation and your exclusive remedy, shall be to repair, replace or refund the purchase price of such parts or products upon timely notification thereof and substantiation that the product has been stored, maintained and used in accordance with Rosedale's written instructions.

**EXCLUSIONS TO WARRANTY:** THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, EXCEPT OF TITLE AND AGAINST PATENT INFRINGEMENT.

**LIMITATION OF LIABILITY:** Except as provided above, Rosedale shall not be liable or responsible for any loss or damage, whether direct, indirect, incidental, special or consequential, arising out of sale, use or misuse of Rosedale filtration products, or the user's inability to use such products.

THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE.

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