

**ENGINEERING STANDARDS**

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

IOM  
7\_6\_1\_2 HLP Clamshell  
Supplement.wpd  
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Issue Date: 08FEB2007  
Revision:  
Revision Date:

Specification No.  
**7.6.1.2**  
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**INSTALLATION, OPERATION, & MAINTENANCE MANUAL**

**HLP CLAMSHELL COVER  
SUPPLEMENT  
(HYDRAULIC HAND PUMP ACTUATED)  
(supplement to Rosedale Products Specification No. 7.6.1)**

**ROSEDALE PRODUCTS, INC.**



*Use in conjunction with the  
MULTI-BASKET STRAINER & MULTI-BAG FILTER  
Installation Operation and Maintenance Manual*

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### INSTALLATION, OPERATION, & MAINTENANCE MANUAL

Your Rosedale Products Filter Vessel has been equipped with a manual pump, Hydraulic actuated Clamshell type Cover to assist in the change out of the filter media.

Please follow all the installation instructions from the Installation Operation and Maintenance Manual Specification 7.6.1 for the Installation and Operation of you Rosedale Products Filter housing with the exception of opening/lifting the clamshell cover.

#### Opening the Clamshell Cover

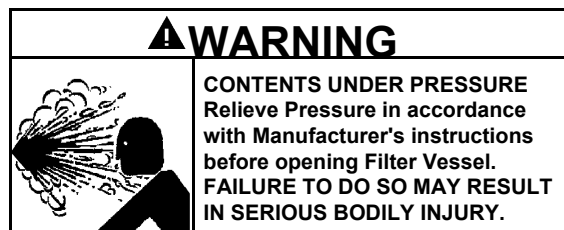
(Only after the filter installation has been completed.)

1. Verify filter housing is depressurized and drained.
2. Open the pressure release safety cover over front eye bolts opening safety vent valve.
3. Remove cover by loosening closure assemblies eye nuts sufficiently to allow them to swing free.
4. Close valve on hand pump.
5. Pump handle until the cover raises to it's fully upright position and insert safety pin thru opening in the cover & shell hinge brackets.
6. Follow the installation instructions from the Installation Operation and Maintenance Manual Specification 7.6.1 for strainer baskets and/or filter bag replacement.
7. Before lowering the cover assembly, inspect cover seal (replace if necessary).
8. Close the cover by removing the safety pin from the hinge bracket and then opening the valve on the hand pump. Stand clear and wait until the cover fully closes.
8. Once the cover has lowered completely, alternately tighten the closure assemblies evenly to ensure a leak proof seal between cover and housing body. The recommended torque value for the Multi-Basket Filter closure assemblies is 160-240<sup>Ft-Lbs</sup>.
9. Lower the pressure release safety cover closing the safety vent valve.

Please refer to the installation instructions from the Installation Operation and Maintenance Manual Specification 7.6.1 for the Operation of your Rosedale Products Inc., filter.

#### Adjustment

1. The cover Cylinder Assembly is factory set. If cylinder stroke adjustment is needed for safety pin alignment, adjustment shall be made by loosening the jam nut and turning the cylinder rod until alignment is achieved. After alignment tighten the jam nut on the cylinder rod.
2. Cover closing speed is factory set with a flow control valve. No adjustment can be made to change cover closing speed. The closing speed may also be regulated by slowly opening the pump valve.



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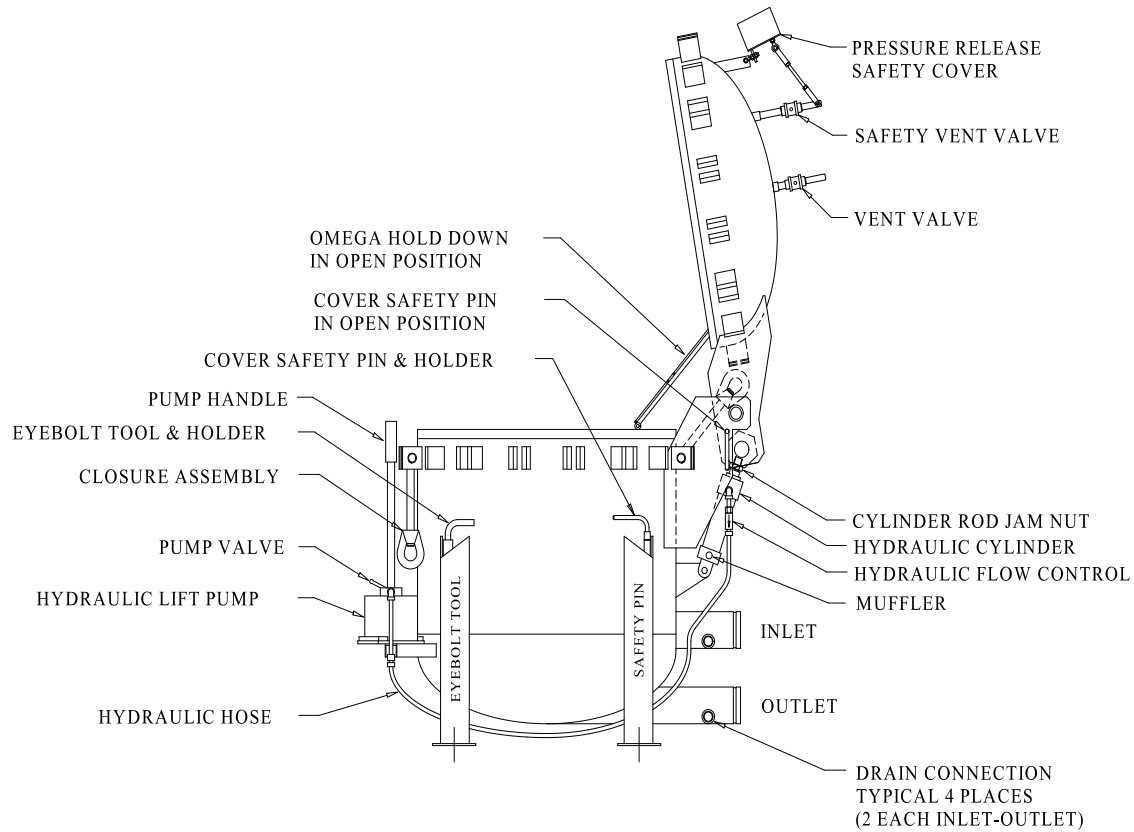
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## INSTALLATION, OPERATION, & MAINTENANCE MANUAL



### III. Spare Parts List (Clamshell Hydraulics)

SPARE PARTS LIST			
Item	Description	Part Number	
1	Pump P-50	15-03336	
2	Hose Assy.	15-8267	
3	Cylinder	15-8269	
4	Flow Control	A21201.35.1	

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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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