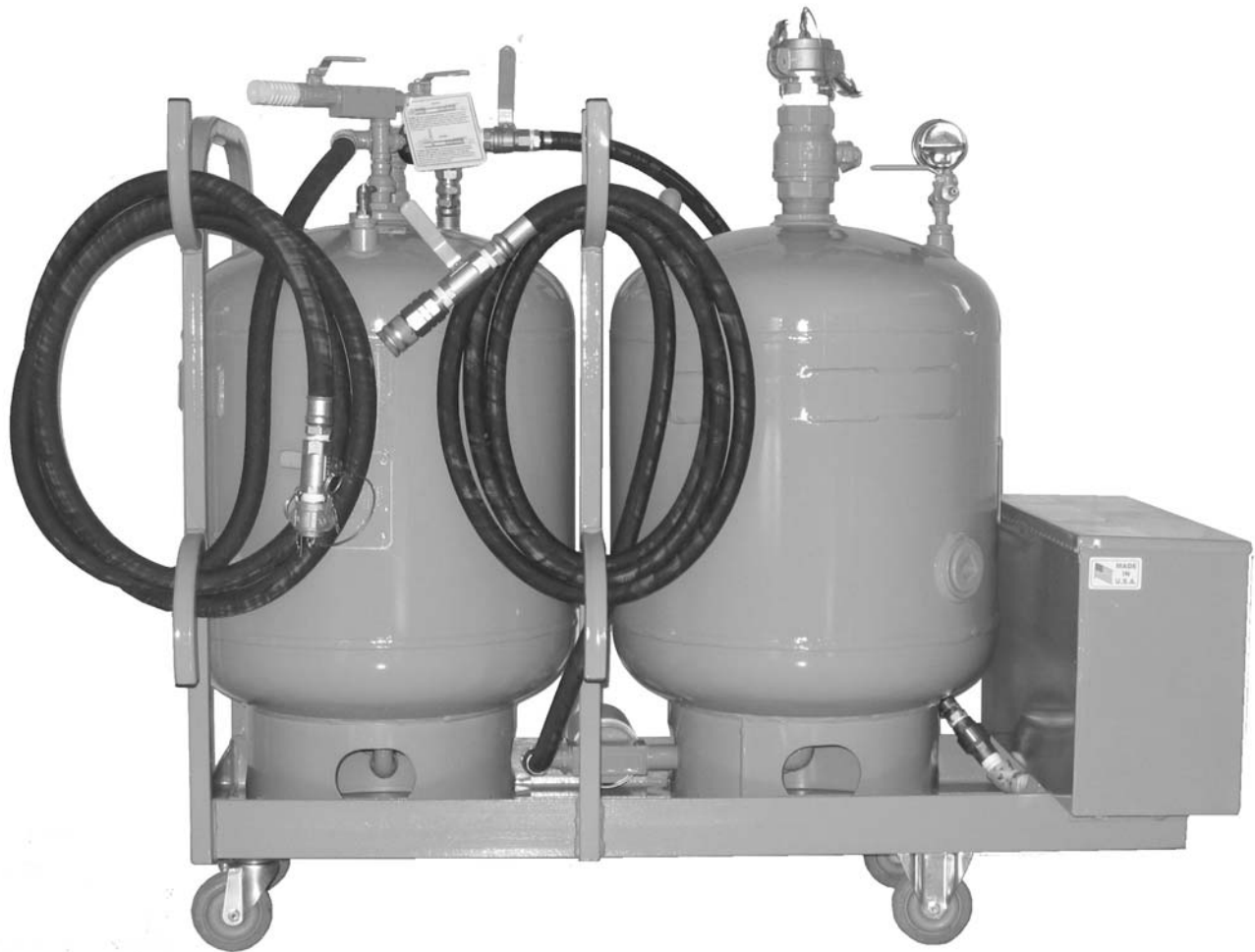


STREAMLINE SHOP SERIES MODEL 30040V – OPERATION & PARTS MANUAL



Sage Oil Vac
360 North Lakeside Drive
Amarillo, TX 79118
phone: 806.372.7559
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1.1 WARRANTY SERVICE OR RETURNS

Call 1-877-645-8227 and select option 1 between the hours of 8am to 5pm CST.

1.2 ORDER PARTS

Call 1-877-645-8227 and select option 3 between the hours of 8am to 5pm CST.

1.3 SAFETY ALERT SYMBOLS AND SIGNAL WORDS

Read and follow all of the instructions in this manual before operating this equipment.

The safety information in this manual is denoted by the safety alert symbol:

The level of risk is indicated by the following signal words.

DANGER

DANGER – Immediate hazards which **WILL** result in severe personal injury or death if the warning is ignored.

WARNING

WARNING – Hazards or unsafe practices which **COULD** result in severe personal injury or death if the warning is ignored.

CAUTION

CAUTION – Hazards or unsafe practices which could result in minor or moderate injury if the warning is ignored.

NOTICE

NOTICE – Practices that could result in damage to the equipment or other property.

1.3.1 Pressurized Tanks

The product tanks may be pressurized. Verify that all pressure is relieved before opening valves (unless offloading used product), removing caps on tank and/or hoses. Failure to do so could cause serious injury.

WARNING

Pressure hazard.

Relieve pressure before opening valves or caps.

Failure to do so could cause serious injury.

1.3.2 Hoses And Fittings

The hoses and fittings on your Sage Oil Vac may get extremely hot during operation. Contact with these parts may cause serious burns.

WARNING

Burn hazard.

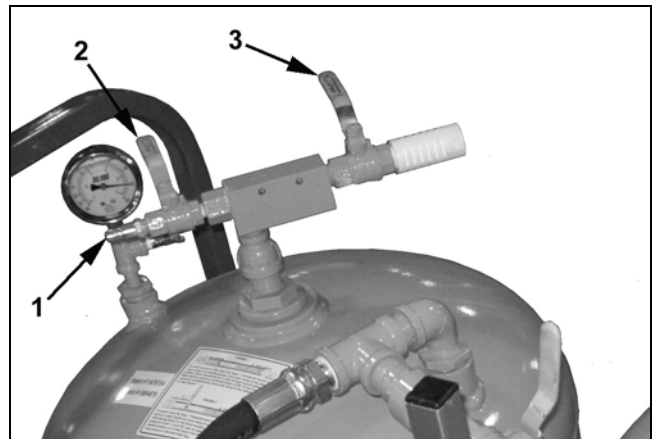
Hoses and fittings may be extremely hot during operation.

Contact with these parts may cause serious burns.

1.4 OPERATION

1.4.1 Create Vacuum In Used Product Tank

Connect an air source to the male coupler (1) and simultaneously move both valves (2) and (3) to the open position. Allow compressed air to pass through the vacuum generator. When 22 – 28 inches (Hg-Mercury) of vacuum is reached, simultaneously close both valves (2) and (3) to trap the vacuum. Disconnect air source.

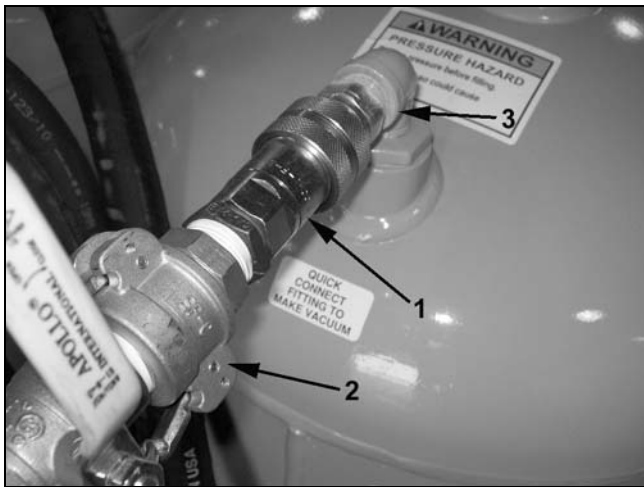


1.4.2 Fill New Product Tank

The new product tank can be filled by pouring fluid directly into the fluid intake nozzle or by siphoning from a drum or

barrel with vacuum. The following steps describe the vacuum method.

1. Check that the vacuum/pressure gauge reads zero, indicating no pressure or vacuum in the new product tank. If there is pressure in the new product tank, relieve pressure by disconnecting the air hose and opening the ball valve at the air intake. After pressure is relieved, close the air intake ball.
2. Attach the adapter fitting (1) to the used product hose (2). Connect the adapter fitting to the quick-connect fitting (3) on the new product tank.



3. Create vacuum in the used product tank as instructed in section 1.4.1.
4. Connect barrel straw to new product tank hose and insert barrel straw into desired new fluid tank. Open ball valve on new product tank hose to fill new product tank. Close valve when tank is full.
5. Disconnect barrel straw, stow barrel straw and hose.

1.4.3 Establish Air Pressure In New Product Tank

1. Check the air pressure/vacuum gauges on the new product tank. If vacuum exists open the air inlet valve to relieve vacuum.
2. Connect an air source to the male coupler (1) and move valve (2) to the open position.
3. This will allow pressure to build in the new product tank. When the desired pressure is reached or a maximum of 60 psi, move valve (2) to the closed position to trap pressure in the tank. Disconnect air source.



3-Way Valve In Air Compressor Position

4. The new product tank is now pressurized for fluid transfer.

1.4.4 Basic Fluid Change

1. Identify the equipment and which services it requires.
2. Select the correct new product type.
3. Warm the equipment engine to normal operating temperature and then stop equipment engine.

⚠ CAUTION

Risk of burn injury.
Equipment engine, filters and fittings may be hot.
Wear appropriate protective devices.

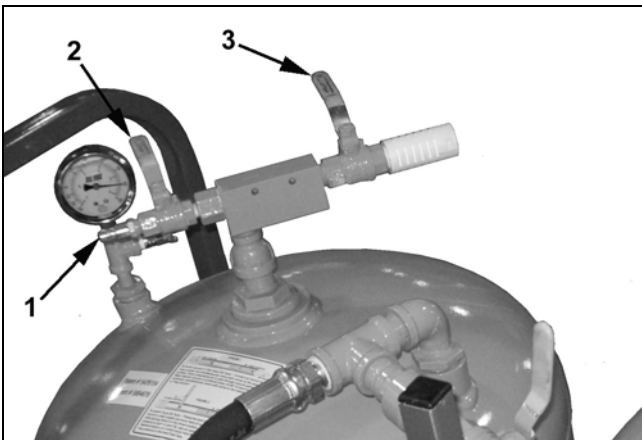


Filter Stinger

4. Change the equipment filter if applicable or remove oil in the filter with the filter stinger using steps 5-10.
5. Obtain the filter stinger and attach the used product hose.
6. Puncture the fluid filter with the filter stinger. Open the used product hose valve to drain the filter.
7. There will be a distinct sound when the filter drain is complete. Open and close the used product hose valve 3-4 times to evacuate residual fluid from the tool and the hose.
8. Elevate filter stinger and open and close the used product hose valve 3-4 times to allow excess fluid to be recovered by vacuum.

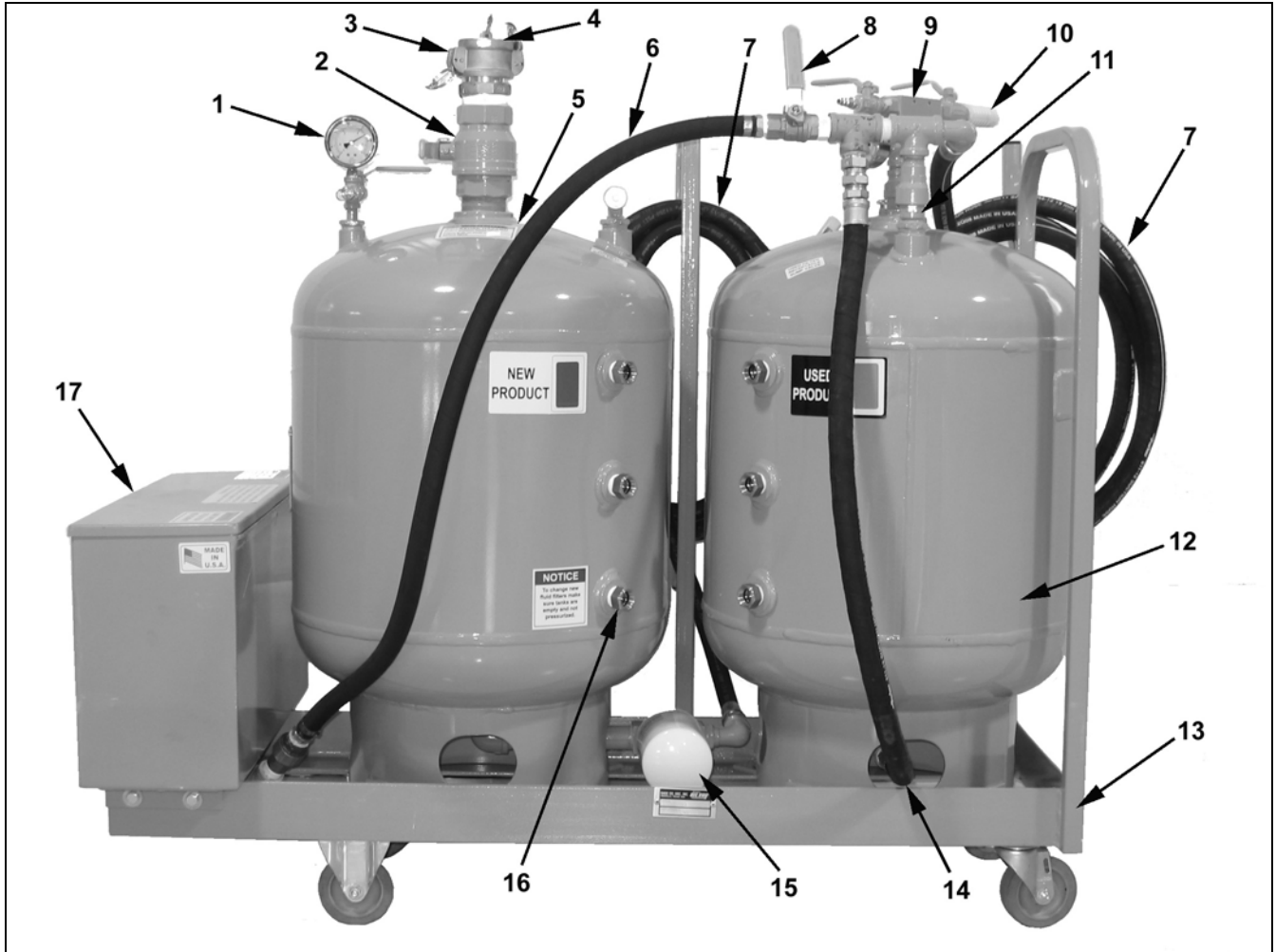
9. Close the used product hose valve and disconnect the used product hose from the filter stinger.
 10. Store the filter stinger.
 11. Attach the used product hose to the fluid drain adapter if applicable.
- Note: If there is no adapter available, select the appropriate drain attachment or use drain pan.*
12. Open the used product hose valve and drain the equipment fluid. There will be a distinct sound and slight hose vibration when vacuum drain is complete.
 13. Close the used product hose valve. Open and close the used product hose valve 3-4 times to facilitate oil removal.
 14. Disconnect and store the used product hose.
 15. Remove old oil filter and install new filter.
 16. Fill fluid to proper level.
 17. Wipe off any dripped or residual fluids that remain on the equipment or fittings if necessary.
 18. Replace all dust caps and protective covers.

1.4.5 Empty Used Oil Tank



This outlines the disposal of waste product at authorized disposal sites and assumes that the disposal hose assembly is attached to the disposal vessel. This procedure may vary depending on site.

- Identify the proper used product receptacle.
- Connect the used product tank to the used product disposal receptacle. Verify the connections at both the used product tank and the disposal vessel are secure.
- Open the used product tank discharge valve.
- Connect an air source to the male coupler (1) and move valve (2) to the open position while leaving valve (3) closed.
- This will allow pressure to build in the used oil tank for used fluid removal. When the desired pressure is reached or a maximum of 60 psi, move valve (2) to the closed position to trap pressure in the tank. Disconnect air source.
- Monitor the fluid level gauge on the used product tank until the tank is empty. Allow air pressure to purge the disposal hose.
- Close the used product tank discharge valve.
- Disconnect the used product disposal hose and replace the cam-lock cap.
- Wipe up any dripped or residual fluids that remain if necessary.



1.5 PARTS LIST

Item Number	Part Number	Description	Quantity	Notes
1	PF-004-016	Vacuum/Pressure Gauge	1	-30/100 High
	PF-004-016	Vacuum/Pressure Gauge	1	-30/60 Low
2	BV-032-001	Ball Valve, 2 Inch	1	
3	CL-032-001	Connector, 2 Inch	1	
4	CL-032-002	Dust cap, 2 Inch	1	
5	TK-030-001	30 Gallon Tank, New Product	1	Inc. Sight Plugs
6	HE-012-016	Suction Hose	AR	4.5 Ft.
7	HA-012-019	Hose Assembly, 3/4 x 15	2	
8	BV-008-001	Ball Valve, 1/2	1	
9	PF-025-001	Vacuum Generator	1	
10	AA-020-002	Vacuum Muffler	1	
11	MA-002-001	Check Valve	1	
12	TK-030-001	30 Gallon Tank, Used Product	1	Inc. Sight Plugs
13	MF-040-002	Cart Frame	1	
14	HE-012-016	Suction Hose	AR	
15	PF-000-004	Filter Element	1	
16	PF-012-023	Sight Plugs	6	
17	BA-002-001	Used Filter Receptacle	1	
	PF-004-025	Pop-Off Valve, 80 psi.	1	
	DL-000-018	Decal	1	
	AA-000-038	VIN Plate	1	




1.6 TROUBLESHOOTING

1.6.1 Can Not Build Vacuum In Used Oil Tank

1. Verify that system is in the vacuum mode.	Check that the two valves are in the correct position to build vacuum position.	Does system build vacuum? Yes – Done No – Go to step 2.
2. Verify that float ball for check valve is not lodged in up position.	Check that float ball moves freely.	Does system build vacuum? Yes – Done No – Go to step 3.
3. Are the following ball valves closed? - Ball valve at end of used oil hose - Offload valve at bottom of used oil tank	Close the valves.	Does system build vacuum? Yes – Done No – Contact Sage Oil Vac for assistance.

1.6.2 Used Oil Vacuum Is Very Slow

1. Is the equipment oil cold?	Change the oil shortly after engine has been running or run the engine to warm oil to at least 100 degrees F.	Is vacuum normal? Yes – Done No – Go to step 2.
2. Is the vacuum hose fully immersed in the fluid?	Verify that no air is being vacuumed from the source.	Is vacuum normal? Yes – Done No – Go to step 3.
3. Is the used oil hose restricted?	<p>Check for foreign objects and debris in the used oil hose and connections.</p> <p>If you feel this has occurred, you can pressurize the used oil tank and open the ball valve at the end of the used oil hose.</p> <div style="background-color: orange; padding: 5px; text-align: center;">  WARNING </div> <p>Please be aware that oil and other foreign objects may come out of the used oil hose with force.</p>	Is vacuum normal? Yes – Done No – Go to step 4.
4. Is the drain pan or quick connect fittings restricted?	Check for foreign objects and debris in the drain pan and fittings. Remove any foreign objects or debris.	Is vacuum normal? Yes – Done No – Contact Sage Oil Vac for assistance.

1.6.3 Air Coming Out Of Hose While Offloading Used Oil

1. Check valve may be stuck.	Check for foreign objects and debris in the check valve. Remove any foreign objects or debris.	Is the offload function normal? Yes – Done No – Contact Sage Oil Vac for assistance.
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