

INSTALLATION INSTRUCTIONS

FIELD INSTRUCTIONS FOR MINI EXPANSION TANK REPLACEMENT

SAFETY INSTRUCTIONS

WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

Failure to comply could result in serious injury, death or damage to the equipment.

WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.

QUALIFIED SERVICE PERSONNEL

WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

Failure to comply could result in serious injury, death or damage to the equipment.

SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

CAUTION:

Always be sure to keep area around the unit clean and free of clutter.

Failure to keep this area clean may result in injury or equipment damage.

Kit includes:

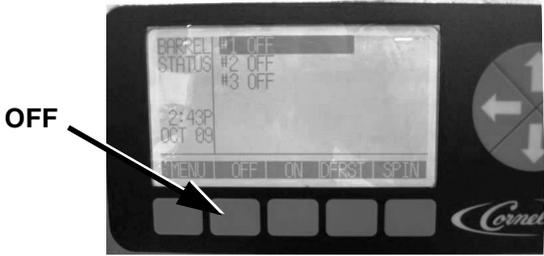
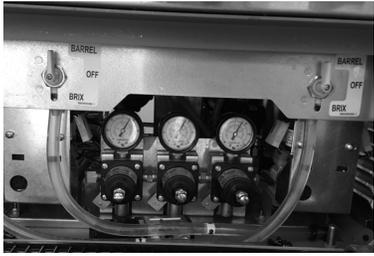
Table 1. Parts List

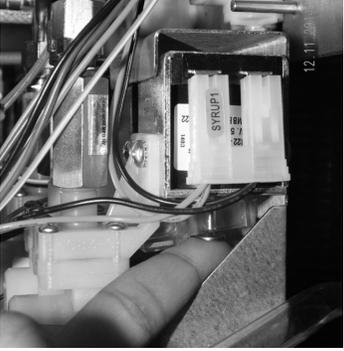
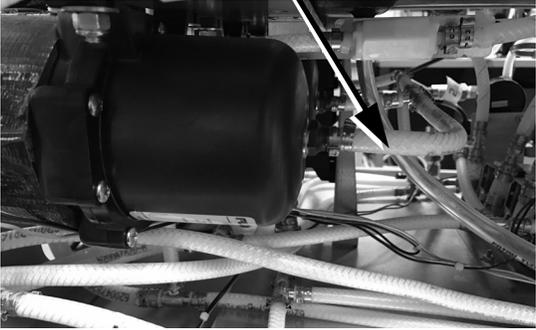
Item No.	Part No.	Description	Quantity
1.	560001321	LABEL CO ₂ WARNING	1
2.	620048095	S-BOX 14 X 6 X 6 J-70 32ECT	1
3.	620061583	TANK EXPANSION 21.5OZ FLOJET	1
4.	620061927	INSULATION W/ADHES MINI EXP	1
5.	629097625INS	INSTRUCTION MANUAL MINI EXPANSION TANK	1
6.	311908000	CLAMP OETR 445OPEN STPLS #11.3	2

NOTE: This kit is applicable for all Viper units. One kit upgrades one barrel with mini expansion tank.

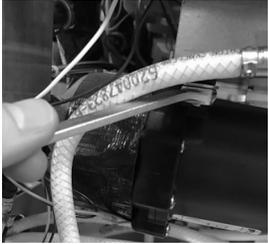
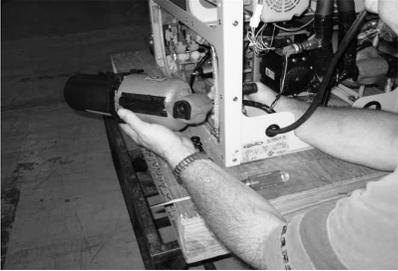
NOTE: This kit is for the replacement of the current mini expansion tank. For the conversion of the obsolete expansion tank to the current mini expansion tank, please see kit 629097390.

MACHINE DECOMMISSIONING

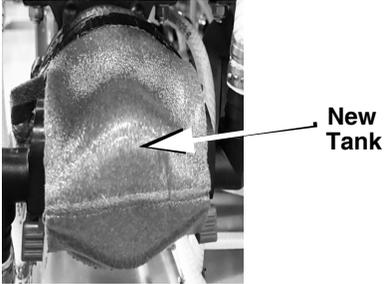
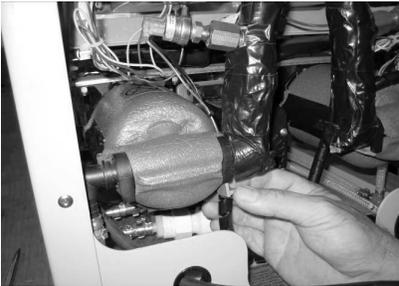
Step	Action	Figure
<p>1.</p>	<p>Remove splash panel, side panels and rear panel from the Viper unit.</p> <p>Using the keypad on the Viper keypad turn the barrels to OFF as shown in Figure 2.</p>	 <p>Splash Panel Side Panel</p> <p>Figure 1.</p>  <p>OFF</p> <p>Figure 2.</p>
<p>2.</p>	<p>Manually defrost each barrel (4 minute defrost).</p> <p>When defrost is complete, turn the Brix Valves to center (OFF) position, See Figure 4.</p>	 <p>Figure 3.</p>  <p>Figure 4.</p>
<p>3.</p>	<p>Use the dispense lever to remove all pressure from barrels. Capture the product dispensed into a bucket and dispose properly.</p> <p>Purge the barrels that will have the expansion tanks replaced.</p>	 <p>Figure 5.</p>

<p>4.</p>	<p>Relieve the pressure in the lines by manually activating the solenoids, See Figure 6.</p> <p>Once all pressure is relieved from barrels, turn OFF the CO₂ supply to the unit.</p>	 <p>Figure 6.</p>
<p>5.</p>	<p>Disconnect expansion tank from braided tubing line.</p> <p>Turn OFF power to the unit (Unplug the Power Cord).</p>	<p>Disconnect tank from tubing</p>  <p>Figure 7.</p>

EXPANSION TANK REMOVAL

Step	Action	Figure
<p>1.</p>	<p>Unlock locking pins from product line inlet and outlet fittings at the Expansion Tank. If needed insulation may be removed as shown in Figure 8. and Figure 9.</p> <p>Do not cut off the fittings they will be reused for the new tank</p>	<p>Figure 8.</p>  <p>Lock Pin</p> <p>Figure 9.</p>  <p>Lock Pin</p>
<p>2.</p>	<p>Loosen and remove the two, 1/4-20 nuts and washers that attach the Expansion Tank to the Mounting Bracket. See Figure 10. and Figure 11.</p> <p>Keep the nuts and washer for assembly of the new mini tank.</p>	<p>Figure 10.</p>  <p>Figure 11.</p> 
<p>3.</p>	<p>Remove the Expansion Tank from the Mounting Bracket, see Figure 12.</p>	<p>Figure 12.</p> 

INSTALLING THE NEW TANK

Steps	Action	Figure
1.	Attach the new Mini Expansion Tank to the Bracket using nuts, washer and bolts, as shown in Figure 13. and Figure 14.	 <p data-bbox="1161 611 1279 638">Figure 13.</p>  <p data-bbox="1360 743 1425 793">New Tank</p> <p data-bbox="1161 940 1279 968">Figure 14.</p>
2.	Reconnect the product line inlet and outlet fittings to the new tank. Be sure to press the locking features back in place.	 <p data-bbox="1161 1276 1279 1304">Figure 15.</p>  <p data-bbox="1161 1608 1279 1635">Figure 16.</p>
3.	Reattach the CO ₂ line to the Tank and crimp the Oetiker clamp tight.	 <p data-bbox="1409 1717 1474 1768">CO₂ Line</p> <p data-bbox="1161 1927 1279 1955">Figure 17.</p>

MACHINE COMMISSIONING

Steps	Action	Figure
1.	<p>Turn ON power to unit and CO₂ supply.</p> <p>Using the keypad on the Viper Unit, select barrel maintenance as shown in Figure 18.</p>	 <p>Figure 18.</p>
2.	<p>Change Brix Valves to “Barrel” position as shown in Figure 19.</p> <p>Make sure the CO₂ regulator for the expansion tank is set to 30 PSIG</p>	 <p>Figure 19.</p>
3.	<p>Using the keypad select “Fill”, as shown in Figure 20.</p> <p>Fill barrels with product as per standard start up process.</p>	 <p>Figure 20.</p>
4.	<p>Stop barrel fill when barrels are filled, see Figure 21.</p>	 <p>Figure 21.</p>

	<p>5. Check all connections on the Expansion Tank for leaks.</p>	 <p>Figure 22.</p>  <p>Figure 23.</p>  <p>Figure 24.</p>
	<p>6. Press Back button on keypad to the main screen, see Figure 25.</p>	 <p>Figure 25.</p>
	<p>7. Turn the barrels to the ON position. Unit should be in normal operating mode, see Figure 26.</p>	 <p>Figure 26.</p>
	<p>8. Fix the Splash panel, Side panel and the Rear panel back to unit.</p>	

