



INSTALLATION INSTRUCTIONS

FIELD INSTRUCTIONS FOR P/N 629097390
MINI EXPANSION TANK REPLACEMENT

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Revision: A

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The products, technical information, and instructions contained in this manual are subject to change without notice. These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

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Contact Information:

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

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This document contains the original instructions for the unit described.

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INSTALLATION 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.

⚠ 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.

⚠ CAUTION:

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

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


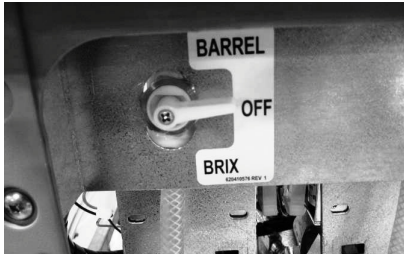

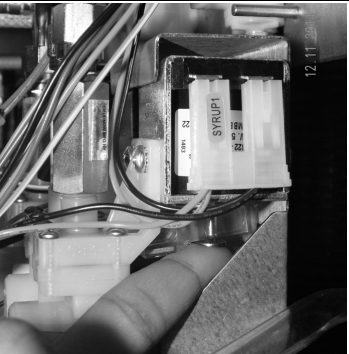
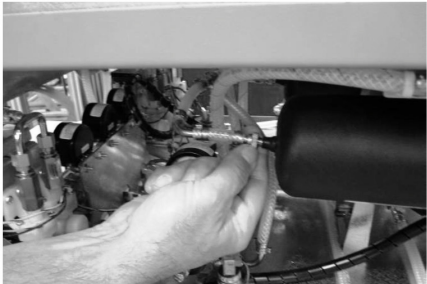
Kit includes:

Table 1. Parts List





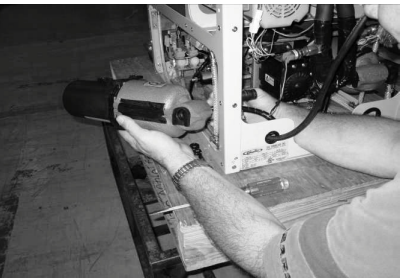
| Item No. | Part No. | Description | Quantity |
|----------|--------------|--------------------------------|----------|
| 1 | 560001321 | LABEL CO2 WARNING | 1 |
| 2 | 620048095 | S-BOX 14 X 6 X 6 J-70 32ECT | 1 |
| 3 | 620061583 | TANK EXPANSION 21.5OZ FLOJET | 1 |
| 4 | 620061927 | INSULATION W/ADHES MINI EXP | 1 |
| 5 | 620062224 | BRKT ADAPTOR EXPANSION TANK | 1 |
| 6 | 620709132 | NUT- HEX 1/4-20 SS NYLOCK | 2 |
| 7 | 629097390INS | INSTRUCTION MANUAL | 1 |
| 8 | 70066 | WASHER- FT 265 750 055 | 2 |
| 9 | 70263 | BOLT MA 1/4-20 HX 24 | 2 |
| 8 | 311908000 | CLAMP OETR 445OPEN STPLS #11.3 | 1 |

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

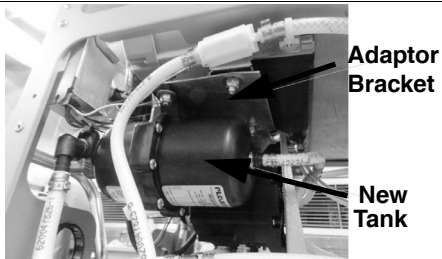
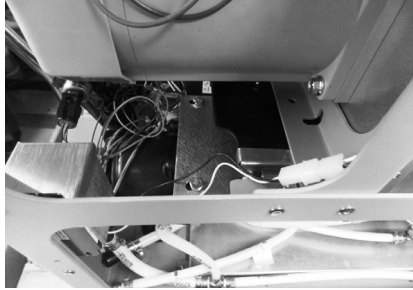
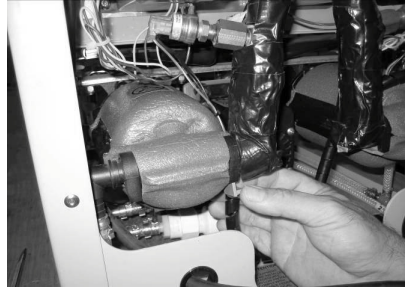

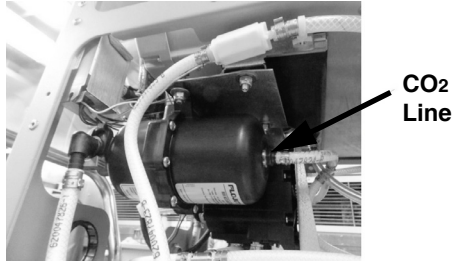
MACHINE DECOMMISSIONING

| Step | Action | |
|------|---|--|
| 1. | Remove splash panel, side panels and rear panel from the Viper unit. |  |
| 2. | Using the keypad on the Viper keypad turn the barrels to off as shown in figure 1. | <p>Figure 1</p> |
| 3. | Manually defrost each barrel (4 minute defrost). |  |
| 4. | When defrost is complete, turn the Brix Valves to center (OFF) position, See figure 2. | <p>Figure 2</p> |
| 5. | Use the dispense lever to remove all pressure from barrels. Capture the product dispensed into a bucket and dispose properly. |  |
| 6. | Purge the barrels that will have the expansion tanks replaced. | <p>Figure 3</p> |
| 7. | Relieve the pressure in the lines by manually activating the solenoids, See figure 4. |  |
| 8. | Once all pressure is relieved from barrels, turn OFF the CO2 supply to the unit. | <p>Figure 4</p> |
| 9. | Disconnect and cut off brass Schrader fitting from CO2 line, see figure 5. Discard the fitting. |  |
| 10. | Turn OFF power to the unit (Unplug the Power Cord). | <p>Figure 5</p> |

EXPANSION TANK REMOVAL

| Step | Action | |
|------|---|--|
| 11. | Remove locking pins from product line inlet and outlet fittings at the Expansion Tank . If needed insulation may be removed as shown in figure 6 and figure 7. NOTE:Do not cut off the fitting they will be reused for the new tank |  <p data-bbox="1182 596 1279 623">Figure 6</p>  <p data-bbox="1182 926 1279 953">Figure 7</p> |
| 12. | Loosen and remove the two, 1/4-20 nuts and washers that attach the Expansion Tank to the Mounting Bracket. See figure 8 and figure 9. NOTE:Keep the nuts and washer for assembly of the new mini tank. |  <p data-bbox="1182 1262 1279 1289">Figure 8</p>  <p data-bbox="1182 1591 1279 1619">Figure 9</p> |
| 13. | Remove the Expansion Tank from the Mounting Bracket, see figure 9. |  <p data-bbox="1182 1927 1279 1955">Figure 10</p> |

INSTALLING THE NEW TANK

| Step | Action |
|--|---|
| <p>14. Attach the sheet metal adaptor bracket to the studs using two holes in place of the expansion tank.</p> <p>15. Then tighten with two ¼-20 nut and washer used to mount the expansion tank. As shown in figure 11.</p> |  <p data-bbox="1252 365 1349 415">Adaptor Bracket</p> <p data-bbox="1252 499 1317 550">New Tank</p> |
| <p>16. Attach the new Mini Expansion Tank to the adaptor Bracket using nuts, washer and bolts, while utilizing the slots as shown in figure 11 and 12.</p> |  |
| <p>17. Reconnect the product line inlet and outlet fittings to the new tank.</p> <p>NOTE: Be sure to press the locking features back in place.</p> |  |
| <p>17. Reconnect the product line inlet and outlet fittings to the new tank.</p> <p>NOTE: Be sure to press the locking features back in place.</p> |  |
| <p>18. Reattach the CO2 line to the Tank and crimp the Oetiker clamp tight.</p> |  <p data-bbox="1321 1709 1377 1759">CO2 Line</p> |

MACHINE COMMISSIONING

| Step | Action |
|---|--------|
| 19. Turn ON power to unit and CO2 supply. 20. Using the keypad on the Viper Unit, select barrel maintenance as shown in figure 16. | |
| 21. Change Brix Valves to "Barrel" position as shown in figure 17. NOTE: Make sure the CO2 regulator for the expansion tank is set to 30 PSIG | |
| 22. Using the keypad select "Fill", as shown in figure 18. 23. Fill barrels with product as per standard start up process. | |
| 24. Stop barrel fill when barrels are filled, see figure 19. | |

| Step | Action |
|------|--|
| 25. | Check all connections on the Expansion Tank for leaks. |
| | |
| | Figure 20 |
| | |
| | Figure 21 |
| | |
| | Figure 22 |
| 26. | Press Back button on keypad to the main screen, see figure 23. |
| | |
| | Figure 23 |
| 27. | Turn the barrels to the ON position. Unit should be in normal operating mode, see figure 24. |
| | |
| | Figure 24 |
| 28. | Fix the Splash panel, Side panel and the Rear panel back to unit. |

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