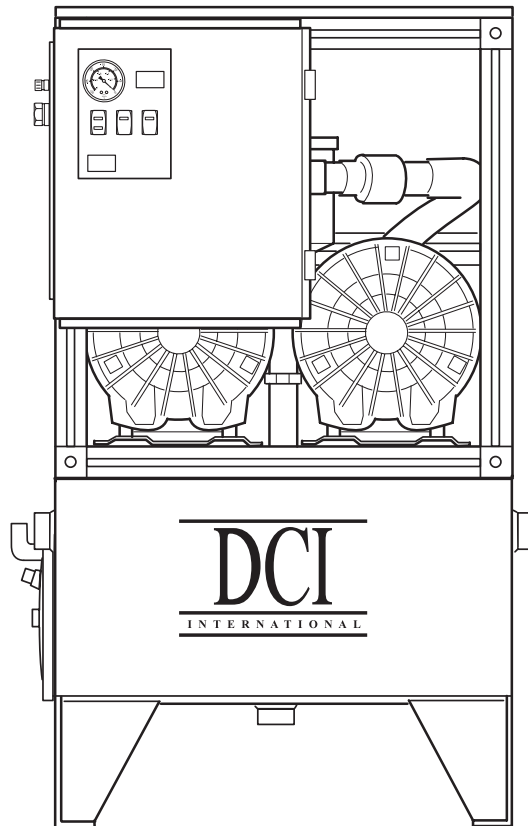


Deluxe Dry Vacuum Installation Guide

DV - Series
DELUXE DRY VACUUM

- DV 1203
- DV 2206
- DV 2210



DCI
INTERNATIONAL

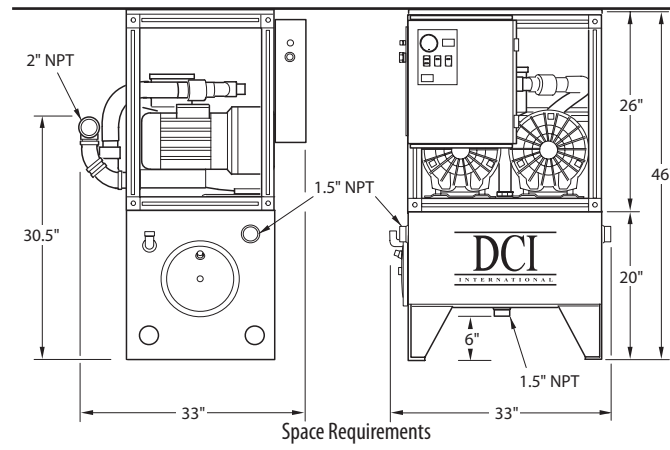
DV - Series

Vacuum

Dry Vac
 # Heads
 Tank
 Power

Model #	# of Heads	Tank Size	Voltage
DV 1203	1	Horizontal 15 gal.	230V
DV 2206	2	Horizontal 15 gal.	230V
DV 2210	2	Horizontal 15 gal.	230V

All Voltage Ratings \pm 5%.



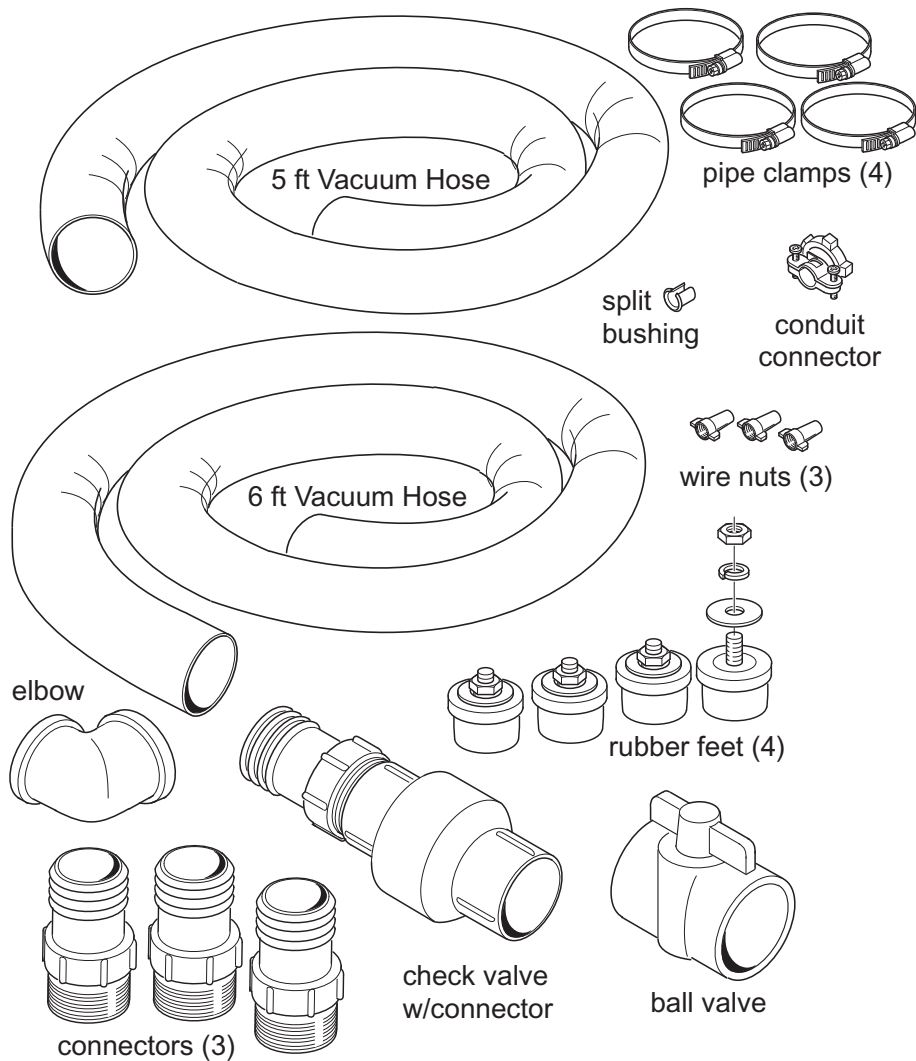
NOTE: *Installation of this product should be undertaken only by qualified service technicians.*

This product has been factory-tested prior to shipment.

If the product does not function as described in the start-up and test procedures in this manual, call the number below for assistance.

Installation Kit

The DV Series is shipped with the following:



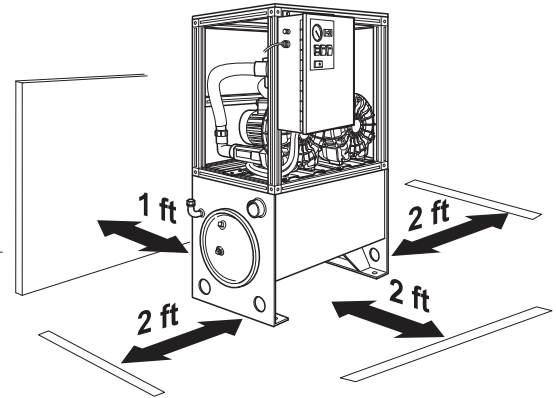
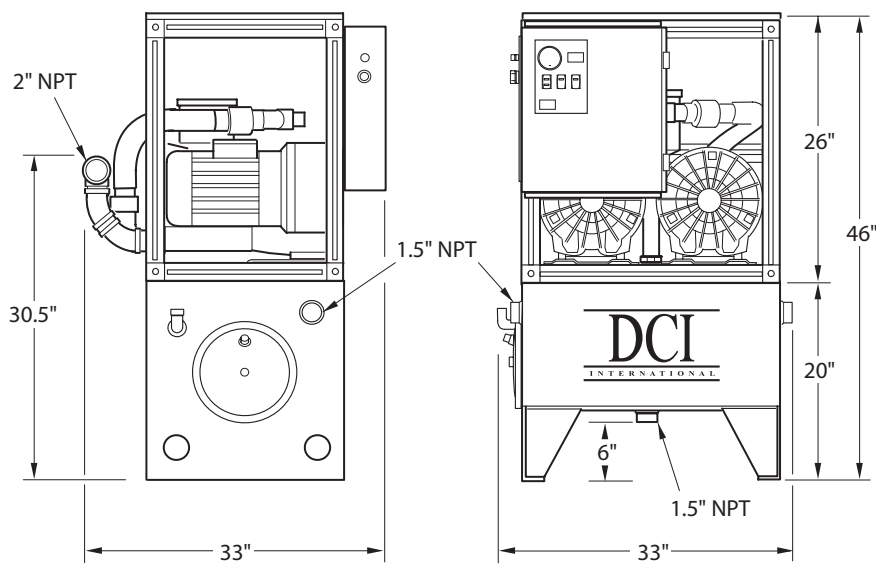
You must provide:

- Fittings, bushings, and piping as needed to exhaust the turbines to the exterior of the building. Due to the heat generated, PVC is not suitable. Each turbine has an exhaust port with an 1.5 in. threaded female fitting.
- Earthquake restraints for securing the DV-Series Vacuum, if required by local codes.

Site Requirements

Clearance

- Adequate clearance as shown below for servicing and air circulation — room temperature should be maintained between 40°F and 100°F when the motors are running.
- A flat, level floor that provides stable support.
- Protection from the weather and direct sunlight.
- A power source within 3 ft. of back-center that provides a dedicated, breaker-protected circuit.



WARNING! Fire Hazard! Running motors generate heat. Do not store flammable liquids or objects such as clothing, mops, or brooms near or above the unit.

PLUMBING REQUIREMENTS

1. 1 1/2 in I.D. minimum pipe size.
2. Pipe connection is to be located within 3 ft of center back of compressor.
3. Install per all Local and State plumbing codes.

ELECTRICAL REQUIREMENTS

1. 3 wire single phase 230 vac. All voltage ratings $\pm 5\%$.
2. Green Wire is to be grounded to a suitable system ground.
3. Power supply must be on a dedicated circuit.
4. See data tag for appropriate breaker size.
5. Power supply connection is to be located within 3 ft of center back of compressor.
6. Install per all local and State electrical codes.

Unpacking

Step One:

Unstrap the packaging from the pallets and remove boxes intact.

Step Two:

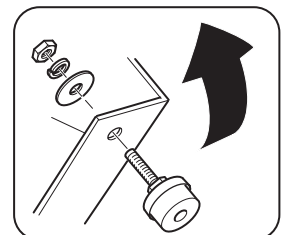
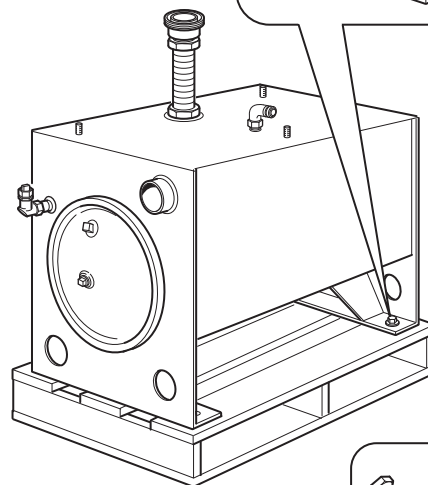
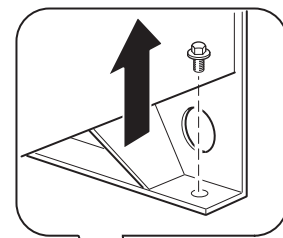
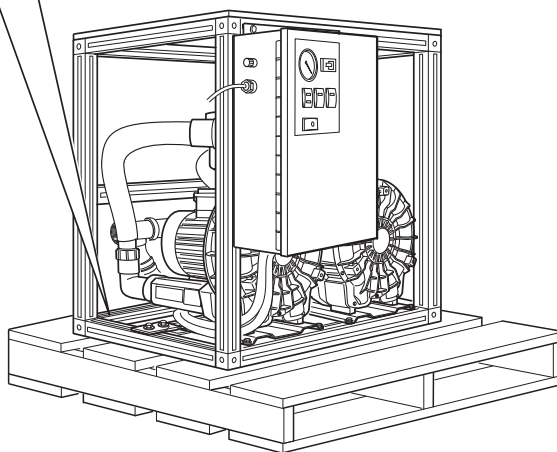
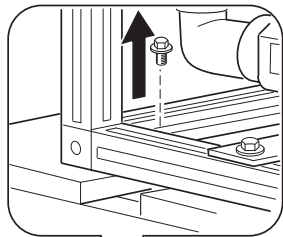
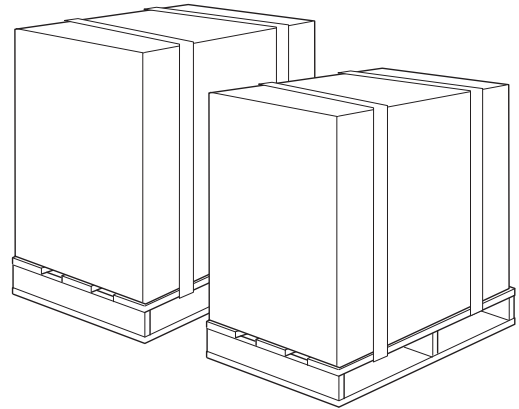
Remove the four bolts that secure the DV- Series vacuum tank to the pallet and put them with the other packaging.

Step Three:

Move the DV-Series vacuum tank off of the pallet and install leveling feet. Place tank into position

Step Four:

Remove the three bolts securing the turbine assembly to the pallet and put them with the other packaging.



NOTE: Returns must be in the original packaging. Retain the packaging until installation and test are complete.



Installation

Step Five:

Remove the three 5/16" nuts and washers attached to the studs on top of the vacuum tank. Place the turbine assembly onto the vacuum tank ensuring the mounting studs on the vacuum tank line up with the mounting tabs on the turbine assembly

Step Six:

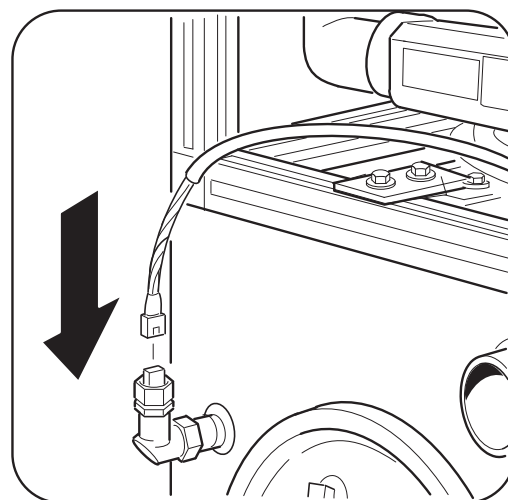
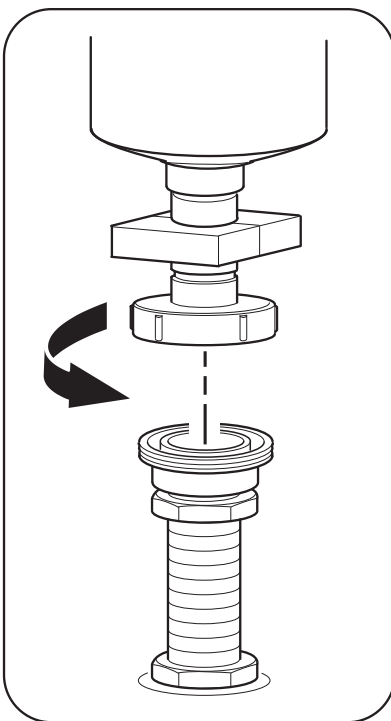
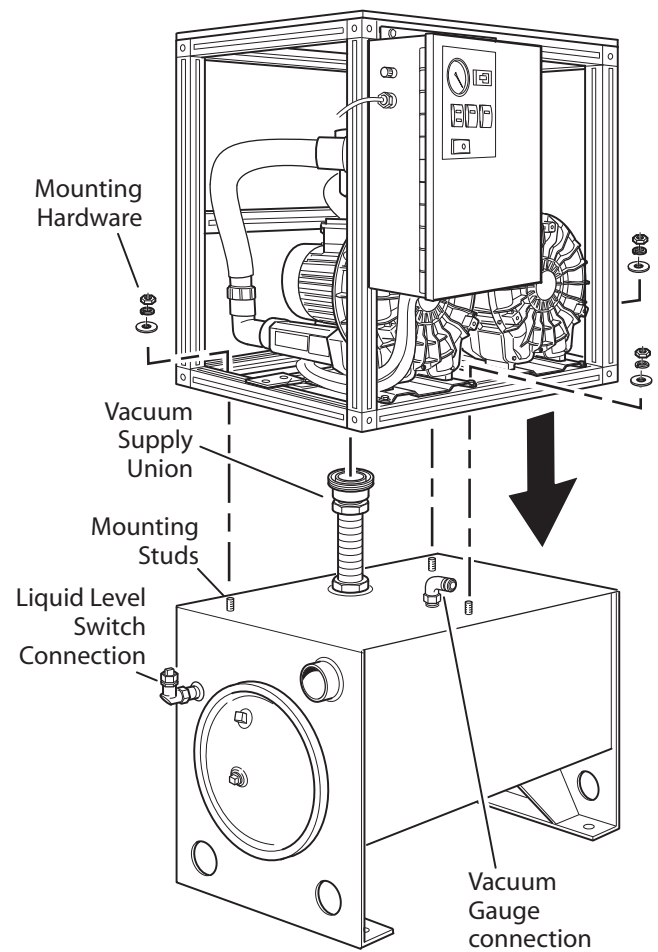
Secure the turbine assembly to the vacuum tank with the 5/16" nuts and washers removed in step 5.

Step Seven:

Align and tighten the vacuum supply union.

Step Eight:

Plug liquid level switch from control panel to level switch on holding tank.



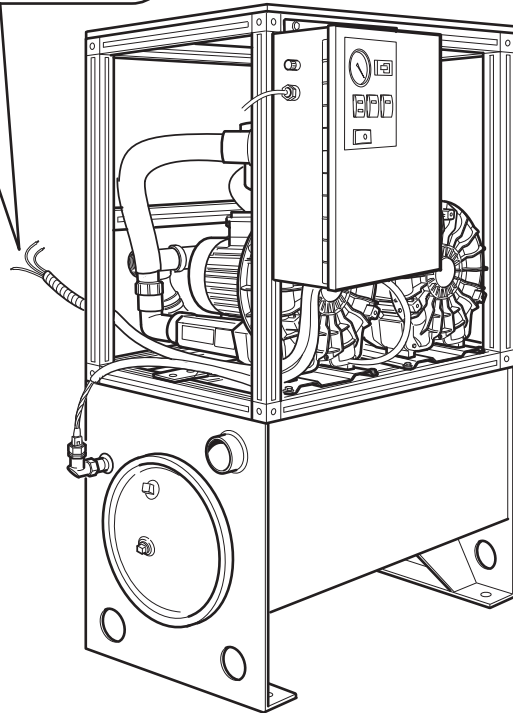
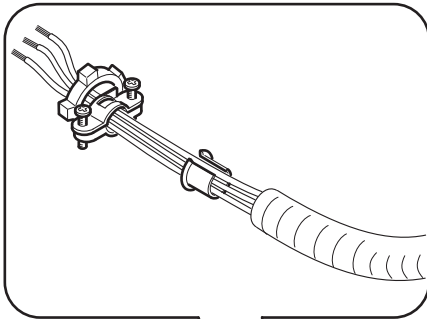
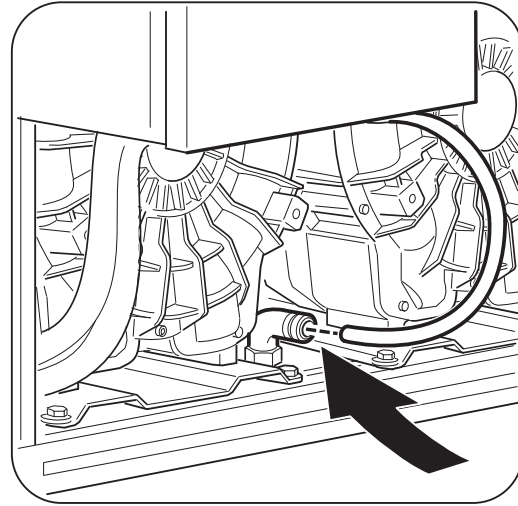
Installation

Step Nine:

Connect vacuum gauge tubing from control panel to vacuum gauge connector on holding tank.

Step Ten:

Connect power. Make sure the power supply is 208 - 230 VAC and connect to power source.



WARNING! Ensure the power supply is off before making the the electrical connections.



Installation

Step Eleven:

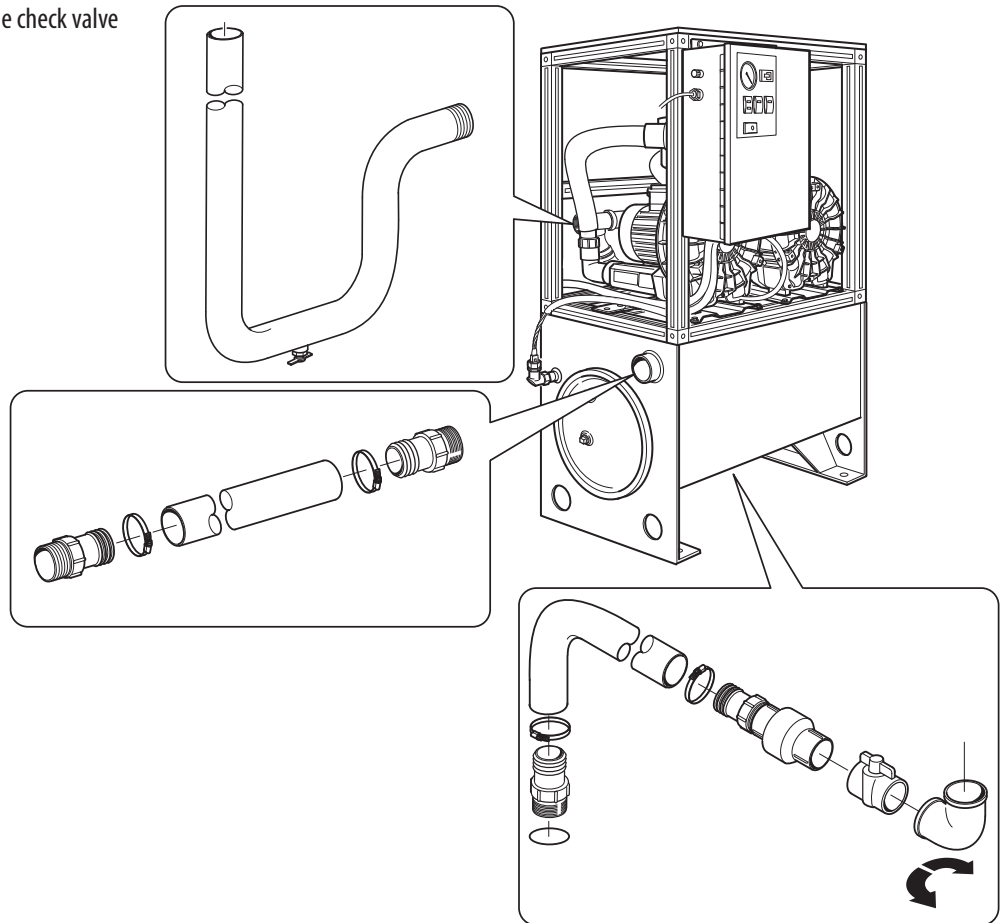
Attach the vacuum hose to the inlet and the on-site piping.

Step Twelve:

Attach the elbow, the check valve and the drain hose. The check valve must be installed in the proper orientation to function correctly. Make sure the arrow on the check valve is on top and pointing towards the drain.

To complete the installation, piping must be run from the turbine exhaust port to the exterior of the building.

State or local codes in your area may require securing the DV-Series vacuum with earthquake restraints.



Warning: If exhaust plumbing is to run more than 4 feet vertically install a "P-Trap" with a drain fitting in the exhaust piping. This will expel any possible condensation.



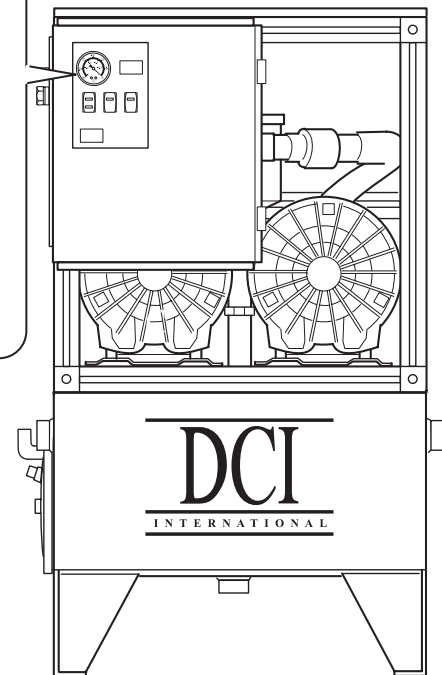
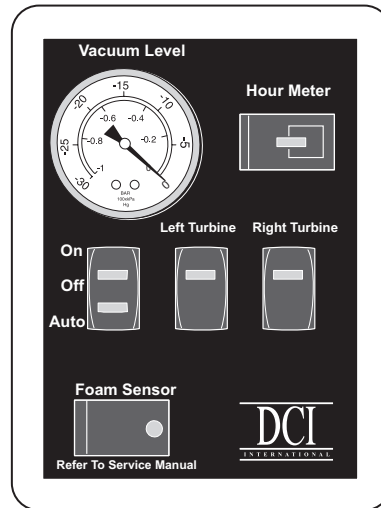
NOTE: The turbine motors generate heat! Do not use PVC piping for the turbine exhaust.



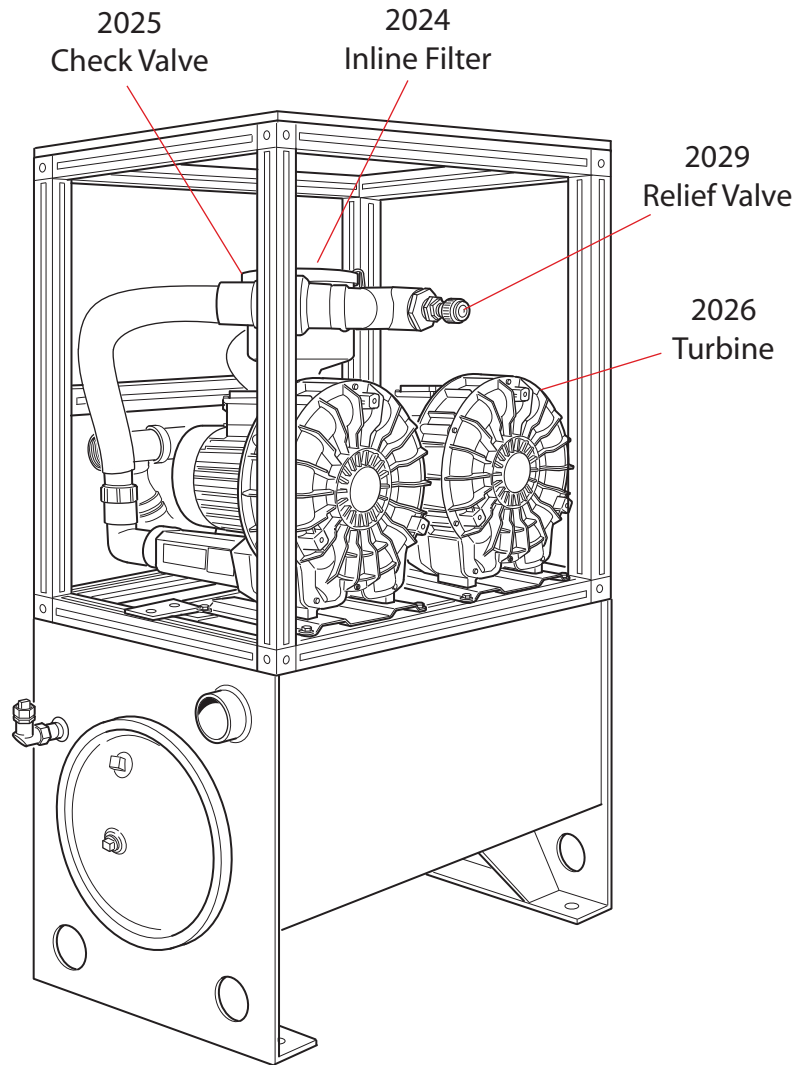
Operation

The control panel located on the cover of the junction box controls various functions

- **Vacuum Level:**
Gauge keeps accurate measurement of your vacuum level.
- **Hour Meter:**
Meter calculates the amount of hours the system has been in use.
- **On/Off/Auto:**
In the on position you have power to the left and right turbine switches. The off position turns all power off. The auto position will allow the system to alternate between turbines as needed. For the system to operate correctly in the Auto mode the left and right turbine switches must be in the off position.
- **Left Turbine:**
Switch starts and stops the left turbine.
- **Right turbine:**
Switch starts and stops the right turbine.
- **Foam Sensor:**
Indicator will show red if the probe in the intake canister senses foam. If the indicator light goes on the system will automatically turn off to prevent any damage to the turbines. The system will automatically turn back on once the foam has dissipated.



Vacuum Components





Electrical Schematic



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Newberg, Oregon
97132

1-800-624-2793

www.dcionline.com