










NRC62i



Smart Refrigerant Charging Machine
User Guide

Making Your Job More Enjoyable



1. Check vacuum pump oil before beginning. If oil needs to be added, unscrew fill/vent cap, add oil until the oil reaches the middle line of the sight glass gauge. If the oil is dirty or cloudy, change per maintenance instructions.
2. Open the rear cover and remove scale and place on dry level surface.
3. Remove hoses and power cord, attach to machine. Plug power cord into 115V power source.
4. To connect wireless scale to NRC62i Charging Machine:
 - 4.1 Power on charging machine, and wait for  to flash on the screen and a continuous beep.
 - 4.2 Power on the electronic scale and it should automatically synch to the charging machine. If it doesn't connect within one minute, please refer the P11 of user manual.
5. Connect the blue low and red high pressure hoses to the AC or refrigeration system. Open both valves on the charging machine. If the system only has one access port, either hose may be used, but keep the cap on the unused machine port and make sure that valve remains closed.

6. Connect the yellow hose to the refrigerant cylinder and the "inlet" port on the charging machine, placing the cylinder on the scale, oriented for liquid charging. Once the tank is connected to the charging machine, open the refrigerant cylinder valve for charging.
7. If you're evacuating a new system or doing a whole system recharge, when the indicator light indicates charging, press  and input the refrigerant weight needed for full charge. Use the  to change the value and  to change the digit. Note that there are 5 digits for weight, last two of them are hundredths of a pound (i.e. 123.45 lbs). A unit conversion chart to ounces is inside the back cover panel.
8. When weight is correct, press  to set, and then press  when ready to start.
9. During evacuation, when pressure is still above 75,000 microns, the screen will show ---. Once the system is down to 3,750 microns, the remaining time in minutes will be displayed. You can also press  to select either current vacuum level or switch back to remaining time.

10. Once evacuation is complete, the NRC62i enters vacuum-hold test, which is for two minutes. If vacuum doesn't rise, the system passes and moves on to the charging phase. If the vacuum decays more than the setting, the leakage light comes on and the machine buzzes, indicating a leak must be repaired and the system re-evacuated.
11. During the charging procedure, if the NRC62i senses the charging amount is less than .71 oz. after 30 seconds, there will be a buzz indicating there isn't enough refrigerant left in the cylinder or the cylinder valve wasn't opened. Press  to stop the buzz. Either replace the empty cylinder with a full one, or open the cylinder valve. Press  to restart the charging process. Once charging is completed, the running lights will stop moving and a buzzer will sound, indicating that charging is over, and the machine will move on the operating pressures test phase.