

Re-Charge Instructions for TK150 - TK500 –TK1000 – TK2000

- 1) Remove Chiller Top Cover.
- 2) Determine if the system is completely discharged by unscrewing the Schrader valve cap and press the pin inside. (See Picture.1). Properly and completely discharge the line through the Schrader valve.
- 3) Voiding (vacuum) the System. Connect vacuum pump to Schrader valve and let it void for about 30-45 minutes.

Note: Install a valve between the vacuum pump and Schrader valve (for ex. Tap valve) in order to prevent air suction when vacuum pump is disconnected. (See Pict.3 and Pict.4)

- 4) When the void (vacuum) is complete, close the tap valve, disconnect the vacuum pump. Attach the refrigerant gas cylinder. Place the gas cylinder on an accurate scale and write down the cylinder weight.
- 5) Read gas in grams on compressor/chiller label and then open the tap valve to fill the compressor. Charge until the proper weight has exited the cylinder and close the tap valve.
- 6) Disconnect all pipes and put the cap on the Schrader valve.
- 7) Replace the cover on the chiller and restart it.



Pict.1: This picture shows the pin inside the valve hole.

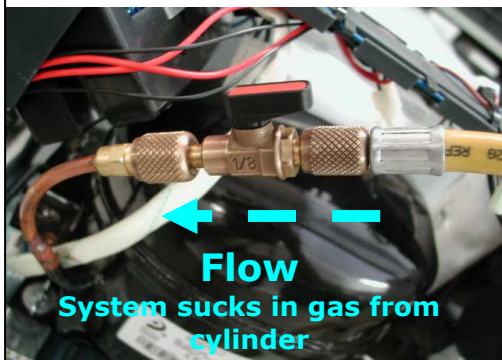
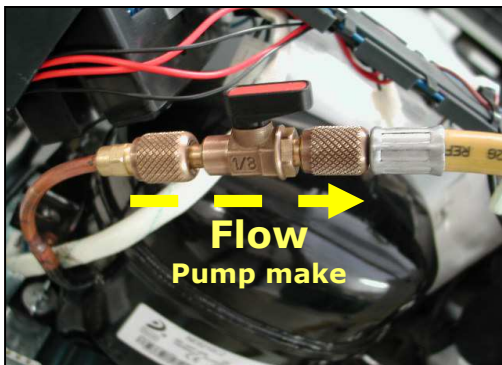


Pict.2: This picture shows the Schrader valve.



Pict.3: This picture shows the tap valve.

Pict.4: This picture shows the air and gas flow when is connected vacuum pump before and gas cylinder after.



When the vacuum pump is connected the tap valve needs to be open. After 30-45 minutes the void is completed and you must close the tap. Disconnect the pump and join gas cylinder to the tap valve and then you can newly open the tap in order to charge the system.