

TRAULSEN TECHNICAL BULLETIN

PRODUCT SERVICE DEPARTMENT

FORT WORTH, TX 76106

TROUBLESHOOTING TRAULSEN REFRIGERATION SYSTEM BY TEMPERATURE.

Introduction:

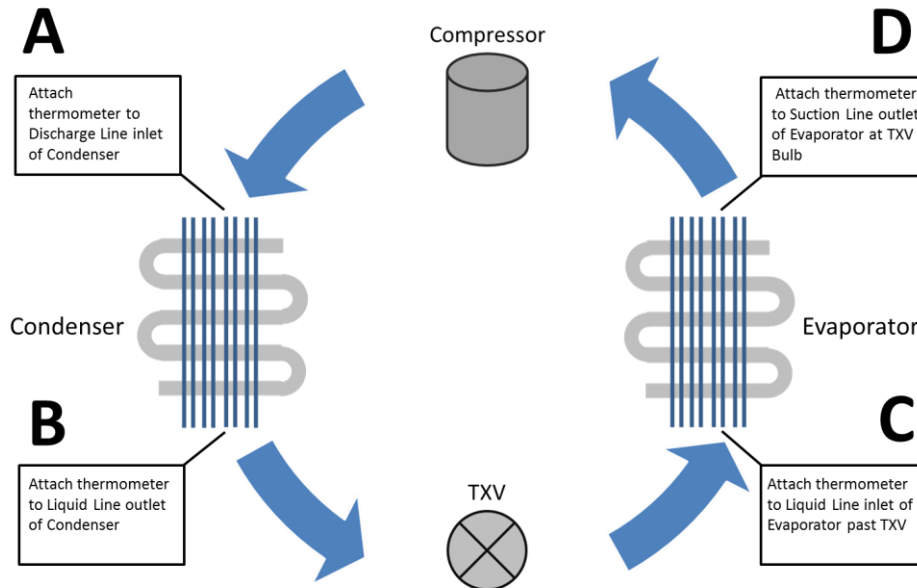
To inform the field how to trouble shoot the refrigeration system with the use of a thermometer.

Trouble Shooting Refrigeration System by Temperature:

Use the below table and corresponding chart to aid in troubleshooting a Traulsen refrigeration system with the use of thermometers.

ITEM	FORMULA	CALCULATED (Enter Your Values Below)	TRAULSEN SPEC
Condenser Split	$(A + B)/2 - \text{Ambient Temperature}$		30F
Sub-cooling	$(A + B)/2 - B$		4F-12F
Evaporator Superheat	D-C		5F-7F

***Note:** Unit must be running for at least 5-10 minutes before checking temperatures and insulate sensing bulb of thermometer for most accurate readings.



Interpreting Line Temperature Differences

Measured Value		Diagnosis
Superheat	Subcooling	
Above 7F	Below 4F	Refrigerant Charge is Low
Below 5F	Above 12F	System Overcharged
Above 7F	Above 12F	Restriction in High Side or Metering Device

Contact Traulsen Technical Service:

If further assistance is needed feel free to contact Traulsen Technical Service at 800-825-8220 between the hours of 7:30am – 11:30am CST & 12:30pm – 4:30pm CST.