



Refrigeration Troubleshooting Form

Water-to-Air or Water-to-Water Units

Rev
060413

Customer: _____ Loop Type: _____ Startup Date: _____

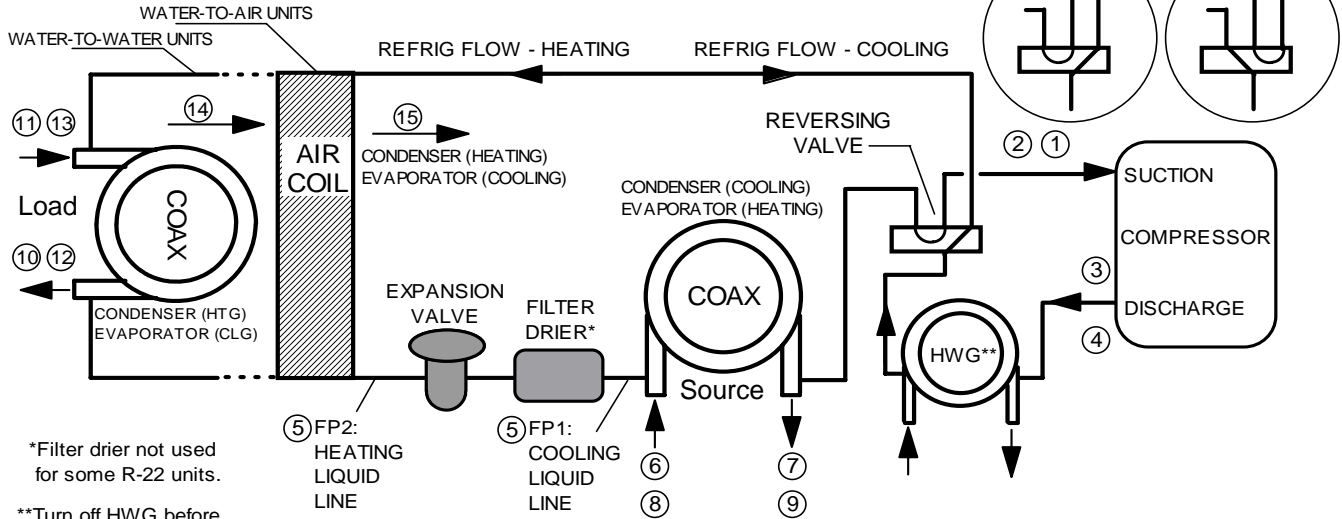
Model #: _____ Serial #: _____ Antifreeze Type & %: _____

Complaint: _____

REFRIGERANT: R-22 R-410A R-407C

OPERATING MODE: HEATING COOLING

HEATING POSITION COOLING POSITION



*Filter drier not used for some R-22 units.

**Turn off HWG before troubleshooting.

Description	Heating	Cooling	Notes
1			Suction Temp
2			Suction Press
2a			Saturation Temp
2b			Superheat
3			Discharge Temp
4			Discharge Press
4a			Saturation Temp
4b			Subcooling
5			Liquid Line Temp
6			Source Water In Temp
7			Source Water Out Temp
8			Source Water In Pres
9			Source Water Out Pres
9a			Press Drop
9b			GPM
14			Return Air Temp <--Water-to-Air units only
15			Supply Air Temp Temp Diff. =
10			Load Water In Temp <--Water-to-Water units only
11			Load Water Out Temp Temp Diff. =
12			Load Water In Pres <--Water-to-Water units only
13			Load Water Out Pres <--Water-to-Water units only
13a			Press Drop <--Water-to-Water units only
13b			GPM <--Water-to-Water units only

Heat of Extraction (Absorption) or Heat of Rejection:

HE or HR (Btuh) = _____ Enter HE or HR: _____

Fluid Factor:
500 (Water); 485 (Antifreeze)

_____ **Flow Rate (GPM) x** _____ **Temp. Diff (deg F) x** _____ **Fluid Factor**