

Progressive Quality Control Geoflex Warranty

Terms:

All Geoflex products manufactured by Geoflex Systems Inc. (Geoflex) are warranted to be free from defects in material and workmanship under normal use and maintenance for a period of 12 months from date of manufacture. Geoflex will furnish, from factory, excluding shipping costs, to a recognized/authorized dealer/contractor/customer or service organization, a new or rebuilt part in exchange for the part, which has failed because of a defect in material or workmanship.

All systems must be registered by mail or online to allow warranty to take effect. Registration must be accompanied by an original commissioning report, which must be compiled in accordance with testing procedures by a qualified/authorized Geoflex dealer. Yearly service and appropriate maintenance must be strictly adhered to for all warranties to take effect. All warranty claims must be approved by the factory prior to any warranty work commencing.

Labour allowance is based on factored rates complete with a pre-determined or negotiated number of hours and rate.

Extended Limited Warranty:

If the original compressor supplied by Geoflex fails because of defect in factory workmanship or material within 60 months from date of manufacture and adequate start-up/commissioning data sheet MUST have been completed and service records are available, Geoflex will furnish a new or rebuilt compressor. Shipping costs would be the responsibility of the dealer/contractor/owner.

The following is NOT supplied by Geoflex Systems Inc.

Geoflex is not responsible for unapproved labor, refrigerant or material cost involved in diagnosis, removal of the defective part or in obtaining and replacing of the new or rebuilt part supplied by Geoflex.

This warranty does not apply to products....

- which have had unauthorized opening of the refrigerant circuit
- which have been operated at below average temperatures, pressures and/or flow rates
- which have damage or defects caused by contaminated or corrosive liquid supply or circuit
- which have damage caused by under voltage/power, lightning or fluctuating voltages
- which have been damaged due to misuse or abuse such as improper
- installation, wiring, fire, or misapplication of product, be it accidental or otherwise
- of which appropriate payment has not been made to Geoflex
- with defaced or removed name plates
- which have been relocated after initial installation
- which have not been supplied by Geoflex
- this warranty does not apply to any refrigerant, fuses or air filters under any circumstances
- collateral water/fluid damage, have all hoses checked and inspected
- shipping costs associated with replaced parts

Geoflex is not responsible for any default or delay in performance caused by Government restrictions, strikes, material shortage or any other mishap beyond the control of Geoflex, including Acts Of God.

Any implied warranties are limited to the duration of this warranty and Geoflex expressly excludes any liability for any damage for breach of any expressed or implied warranty.

HEAT PUMP START-UP COMMISSIONING PROCEDURES

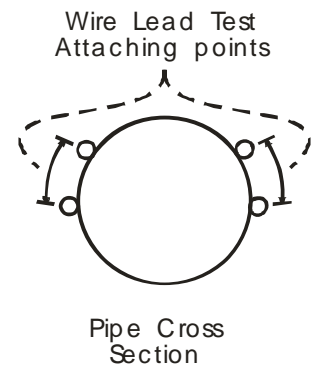
Legend of testing points (Install the temperature probes on...)

Type	Acronym	Equipment	Sensing... Sensor Probe attachment point
T1	ELEWT	WA,WW	"Earth Coupled" Loop Entering Water/Liquid Temperature (Loop In)
T2	ELLWT	WA,WW	"Earth Coupled" Loop Leaving Water/Liquid Temperature (Loop out)
T3	EAT	WA,DH	Entering (Return from space) Air Temperature
T4	LAT	WA,DH	Leaving (Discharge to space) Air Temperature
T5	DSWEWT	OP-ALL	"Desuperheater Water option" Entering Water Temperature
T6	DSWLWT	OP-ALL	"Desuperheater Water option" Leaving Water Temperature
T7	ODWEWT	OP-WA-DH	Demand Entering Water Line Temperature & On-Demand Liquid Cooled Option on dehumidification systems
T8	ODWLWT	OP-WA-DH	On-Demand Leaving Water Line Temperature & On-Demand Liquid Cooled Option on dehumidification systems
T9	HBTEWT	OP-ALL	"Hydronic Buffer Tank" Entering Water Temperature (Demand Water or Water to Water buffering tank product side)
T10	HBTLWT	OP-ALL	"Hydronic Buffer Tank" Leaving Water Temperature (Demand Water or Water to Water buffering tank product side)
T11	PWEWT	WW	Product (Hot/Chilled) Entering Water Temperature (Hot/Chilled "Water to Water")
T12	PWLWT	WW	Product (Hot/Chilled) Leaving Water Temperature (Hot/Chilled "Water to Water")
T13	PRWEWT	OP-DH	"Proportional Reheat Water Coil" Entering Water Temperature, (most commonly used on Dehumidification Systems)
T14	PRWLWT	OP-DH	"Proportional Reheat Water Coil" Leaving Water Temperature, (most commonly used on Dehumidification Systems)
* T15	SLT	WA-WW-DH	Suction/Liquid Line Temperature - if gauges are installed (see illustrations for refrigeration circuitry, in this manual)
* T16	LLT/FLT	WA-WW-DH	Liquid/Flash (for reversing mode units) Line Temperature(s) - if gauges are installed, (see illustrations for refrigeration circuitry, in this manual)
* T17	FLT/LLT	WA-WW-DH	Flash/Liquid (for reversing mode units) Line Temperature(s) - if gauges are installed, (see illustrations for refrigeration circuitry, in this manual)
* T18	DLT	WA-WW-DH	Discharge Line Temperature - if gauges are installed (see illustrations for refrigeration circuitry, in this manual)
* PT17	SGT	WA-WW-DH	Suction Gauge Temperature - Pressure/Temperature read directly from pressure gauges only if, needed, must be qualified refrigeration technician
* PT18	DGT	WA-WW-DH	Discharge Gauge Temperature - Pressure/Temperature read directly from pressure gauges only if, needed, must be qualified refrigeration technician
* RP19	SGP	WA-WW-DH	Suction Gauge Pressure (PSI), Pressure directly from pressure gauges only if, needed, must be qualified refrigeration technician
* RP20	DPT	WA-WW-DH	Discharge Gauge Pressure (PSI) - Pressure directly from pressure gauges only if, needed, must be qualified refrigeration technician

* Must be qualified refrigeration technician for this testing and analysis.

NOTE: As Geoflex manufacturers an extremely broad range of standard and specialized equipment, please note that locations of water lines and return and discharge air locations can vary, depending on system, please refer to labeling on equipment for appropriate locations.

The terms Delta T, which equals "Difference in Temperature" and Delta P, which equals, "Difference in pressure", between incoming and outgoing water and airflows, will be used throughout this manual.



Commissioning and Test Record/Log Sheet

Product Model Number: _____ Product Serial Number: _____

Type	Acronym-Equipment	Sensing... Sensor Probe attachment point	Heat/Cool	Heat/Cool	Heat/Cool	Heat/Cool
		Date				
		Time				
		Voltage				
		Amerage				
		Watts (Voltage X Amps)				
T1	ELEWT-WA,WW	"Earth Coupled" Loop Entering Water/Liquid Temperature (Loop In)				
T2	ELLWT-WA,WW	"Earth Coupled" Loop Leaving Water/Liquid Temperature (Loop out)				
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