Technical Specifications

Geoflex Two Stage Dehumidification System
Model 026 - 410A - Top Discharge

Blower High Speed CFM & SP

ESP	0.3	0.5	.75	1.0
CFM	864	800	761	734

Standard Pool Heat Recovery Option

Model	GPM	FOH	PSIG	MBH	EWT
DWV-1.0	2	2.1	0.9	12	80

Available Cabinet Types

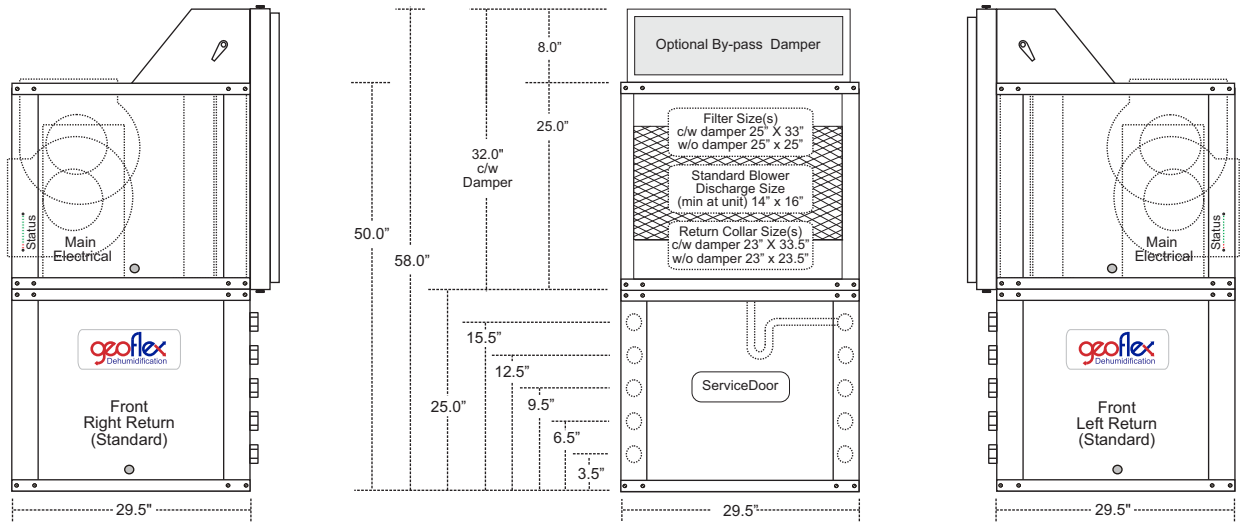
Model	Cabinet Type	Footprint		Height without Damper	Height c/w 8" Opening Damper
		Width	Depth		
026	Standard Vertical	29.5"	29.5"	46.5"	55.5"
026	* Larger Vertical	29.5"	44.3"	46.5"	55.5"
026	Standard Horizontal	29.5"	59.0"	26.5"	35.5"
026	** CompactHorizontal	29.5"	44.3"	26.5"	35.5"

* Larger cabinets are used to accommodate higher than standard CFM
** Units with some features, eg., the geothermal option, demand a larger footprint

NOTE: Weights and measures can vary, depending on selected configuration and options!

Elements	
Description	Type
Refrigerant	R410A
Refrigerant Charge (Superheat Supercedes)	Min 10 F Superheat
Base Unit	2.5 lbs. (est)
Base Unit c/w Ext. DX Condenser	3.9 lbs. (est)
Internal 100% Air Reheat Condensor	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
Condensate Pan	SuperGaurd Coated
Optional Pool Reheat Condensor	Co-axial (DWV, C/N)
Optional Water Condensor	Co-axial or Brazed Plate
Base Weight	360 lbs. (est)
Ship Weight	390 lbs. (est)
Crated Weight	450 lbs. (est)

Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offerring highest operating efficiency
Internal Piping	All Internal Refrigeration Piping is Insulated to Reduce Noise and Potential Pipe Degradation
Air Coils	Air Coils and internal components are coated and baked with an Acrylic Coating
Low Noise Package	1" acoustical insulation & all internal refrigeration lines are fully insulated to reduce noise potential.
Electronic Diagnostics	On board fault Diagnostics
Cabinet	A Seperator Plate is used between the Air and Refrigeration Section
Service & Maintenance	Service Doors Surround System
Refrigeration Section	An Internal Negative Pressure Port is incoprorated to Reduce Heat or Condensation Build-up.
Service Switches	Independant, Low & High Pressure & Low Flow c/w HP & LP Memory
Freon Service	Bi-flow Filter/Drier & Moisture Indicating Sight Glass
Condensate Sensor	Electronic Condensate Pan Overflow Sensor is included in all Dehumification Systems.
Condensate Line Position	Systems come with a condensation line that can be adapted to any corner of the system, in the field!
Evaporator Construction	All Evaporator Coils are Insulated to avoid Condensation Rusting
Feild Adaption	All Systems are designed to offer maximum field adaptability



Two Step Dehumidification Performance Data																
Model	Fan Motor Type	Cap	Air Temp °F	50% RH				55% RH				60% RH				Flow
				Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Indoor Air CFM
026	PSC	Full	80	6.7	14,306	21,530	26,230	7.4	14,094	22,345	27,045	8.9	13,884	23,137	27,838	800
	PSC	Part	80	5.1	10,865	16,218	19,654	5.6	10,702	16,838	20,284	6.7	10,541	17,441	20,897	600
	PSC	Full	82	7.2	14,189	21,513	26,335	8.6	13,667	21,944	26,765	9.4	13,258	22,459	27,280	800
	PSC	Part	82	5.4	10,766	16,231	19,797	6.5	10,363	16,571	20,161	7.1	10,048	16,972	20,581	600
	PSC	Full	84	8.8	13,653	21,007	25,952	10.5	13,195	21,490	26,435	11.5	12,745	21,931	26,876	800
	PSC	Part	84	6.6	10,343	15,886	19,604	7.9	9,988	16,264	20,004	8.7	9,640	16,611	20,371	600

Two Stage, 410A Electrical Data															
Model	Voltage Code	Voltage	Min/Max Voltage	Compressor			Blower Hp	Blower FLA		Total Unit FLA	Min Circuit Amps	Max Fuse/ HACR	Supply Wire		
				RLA	LRA	LRA*							Min AWG 60°C	Max Ft (M)	
026	A	208-230/60/1	197/254	11.7	58.3	20.5	0.33	2.3		14.0	16.8	30	10	130	(39.7)
	C	208-230/60/3	197/254	6.5	55.4	-	0.33	1.7		8.2	9.8	15	14	100	(30.5)
	D	460/60/3	414/506	3.5	28.0	-	0.33	0.8		4.3	5.1	10	14	388	(118.3)

Notes: LRA* estimated with optional "Secure Start" installed (208-230/60/1)
HACR circuit breaker in USA only
All fuses Class RK-5
Wire length based on higher if 2 voltages, one way 2.0% voltage drop
Wire size based on 60°C copper conductor & minumum circuit ampacity
In some caeses local & national electrical codes will superceed fuse & wire size information as supplied herein, which must take precedent.

Geoflex Systems are QPS approved

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GF-DH-TS-TD-026-R410A-11-07-11

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Email: plant@geoflexsystems.com

Technical Specifications

Geoflex Two Stage Dehumidification System
Model 026 - 410A - Bottom Discharge

Blower High Speed CFM & SP

ESP	0.3	0.5	.75	1.0
CFM	864	800	761	734

Standard Pool Heat Recovery Option

Model	GPM	FOH	PSIG	MBH	EWT
DWV-1.0	2	2.1	0.9	12	80

Available Cabinet Types

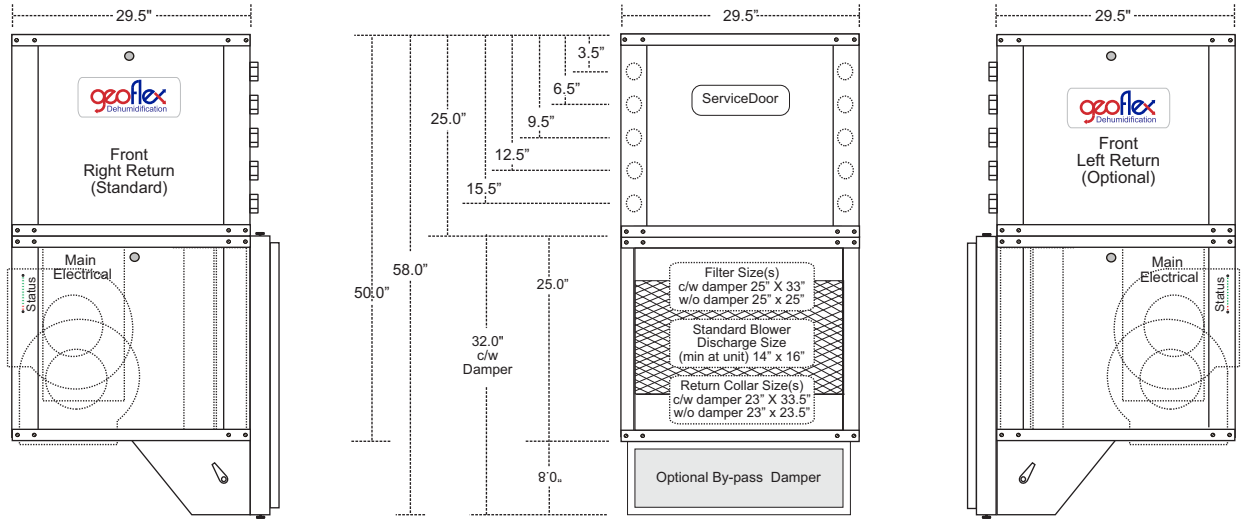
Model	Cabinet Type	Footprint		Height without Damper	Height c/w 8" Opening Damper
		Width	Depth		
026	Standard Vertical	29.5"	29.5"	46.5"	55.5"
026	* Larger Vertical	29.5"	44.3"	46.5"	55.5"
026	Standard Horizontal	29.5"	59.0"	26.5"	35.5"
026	** CompactHorizontal	29.5"	44.3"	26.5"	35.5"

* Larger cabinets are used to accommodate higher than standard CFM
** Units with some features, eg., the geothermal option, demand a larger footprint

NOTE: Weights and measures can vary, depending on selected configuration and options!

Elements	
Description	Type
Refrigerant	R410A
Refrigerant Charge (Superheat Supercedes)	Min 10 F Superheat
Base Unit	2.5 lbs. (est)
Base Unit c/w Ext. DX Condenser	3.9 lbs. (est)
Internal 100% Air Reheat Condensor	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
Condensate Pan	SuperGaurd Coated
Optional Pool Reheat Condensor	Co-axial (DWV, C/N)
Optional Water Condensor	Co-axial or Brazed Plate
Base Weight	360 lbs. (est)
Ship Weight	390 lbs. (est)
Crated Weight	450 lbs. (est)

Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offerring highest operating efficiency
Internal Piping	All Internal Refrigeration Piping is Insulated to Reduce Noise and Potential Pipe Degradation
Air Coils	Air Coils and internal components are coated and baked with an Acrylic Coating
Low Noise Package	1" acoustical insulation & all internal refrigeration lines are fully insulated to reduce noise potential.
Electronic Diagnostics	On board fault Diagnostics
Cabinet	A Seperator Plate is used between the Air and Refrigeration Section
Service & Maintenance	Service Doors Surround System
Refrigeration Section	An Internal Negative Pressure Port is incoprorated to Reduce Heat or Condensation Build-up.
Service Switches	Independant, Low & High Pressure & Low Flow c/w HP & LP Memory
Freon Service	Bi-flow Filter/Drier & Moisture Indicating Sight Glass
Condensate Sensor	Electronic Condensate Pan Overflow Sensor is included in all Dehumification Systems.
Condensate Line Position	Systems come with a condensation line that can be adapted to any corner of the system, in the field!
Evaporator Construction	All Evaporator Coils are Insulated to avoid Condensation Rusting
Feild Adaption	All Systems are designed to offer maximum field adaptability



Two Step Dehumidification Performance Data																
Model	Fan Motor Type	Cap	Air Temp °F	50% RH				55% RH				60% RH				Flow
				Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Indoor Air CFM
026	PSC	Full	80	6.7	14,306	21,530	26,230	7.4	14,094	22,345	27,045	8.9	13,884	23,137	27,838	800
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Two Stage, 410A Electrical Data															
Model	Voltage Code	Voltage	Min/Max Voltage	Compressor			Blower Hp	Blower FLA		Total Unit FLA	Min Circuit Amps	Max Fuse/ HACR	Supply Wire		
				RLA	LRA	LRA*							Min AWG 60°C	Max Ft (M)	
026	A	208-230/60/1	197/254	11.7	58.3	20.5	0.33	2.3		14.0	16.8	30	10	130	(39.7)
	C	208-230/60/3	197/254	6.5	55.4	-	0.33	1.7		8.2	9.8	15	14	100	(30.5)
	D	460/60/3	414/506	3.5	28.0	-	0.33	0.8		4.3	5.1	10	14	388	(118.3)

Notes: LRA* estimated with optional "Secure Start" installed (208-230/60/1)
HACR circuit breaker in USA only
All fuses Class RK-5
Wire length based on higher if 2 voltages, one way 2.0% voltage drop
Wire size based on 60°C copper conductor & minumum circuit ampacity
In some caeses local & national electrical codes will superceed fuse & wire size information as supplied herein, which must take precedent.

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Technical Specifications

Geoflex Two Stage Dehumidification System
Model 026 - 410A - Horizontal (Compact)

Blower High Speed CFM & SP

ESP	0.3	0.5	.75	1.0
CFM	864	800	761	734

Standard Pool Heat Recovery Option

Model	GPM	FOH	PSIG	MBH	EWT
DWV-1.0	2	2.1	0.9	12	80

Available Cabinet Types

Model	Cabinet Type	Footprint		Height without Damper	Height c/w 8" Openin Damper
		Width	Depth		
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* Larger cabinets are used to accommodate higher than standard CFM
** Units with some features, eg., the geothermal option, demand a larger footprint

NOTE: Weights and measures can vary, depending on selected configuration and options!

Elements	
Description	Type
Refrigerant	R410A
Refrigerant Charge (Superheat Supercedes)	Min 10 F Superheat
Base Unit	2.5 lbs. (est)
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Internal 100% Air Reheat Condensor	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
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Optional Pool Reheat Condensor	Co-axial (DWV, C/N)
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Base Weight	360 lbs. (est)
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Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offerring highest operating efficiency
Internal Piping	All Internal Refrigeration Piping is Insulated to Reduce Noise and Potential Pipe Degradation
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Electronic Diagnostics	On board fault Diagnostics
Cabinet	A Seperator Plate is used between the Air and Refrigeration Section
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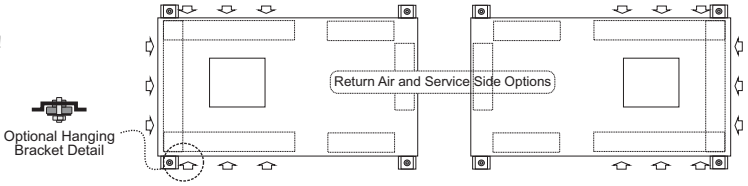
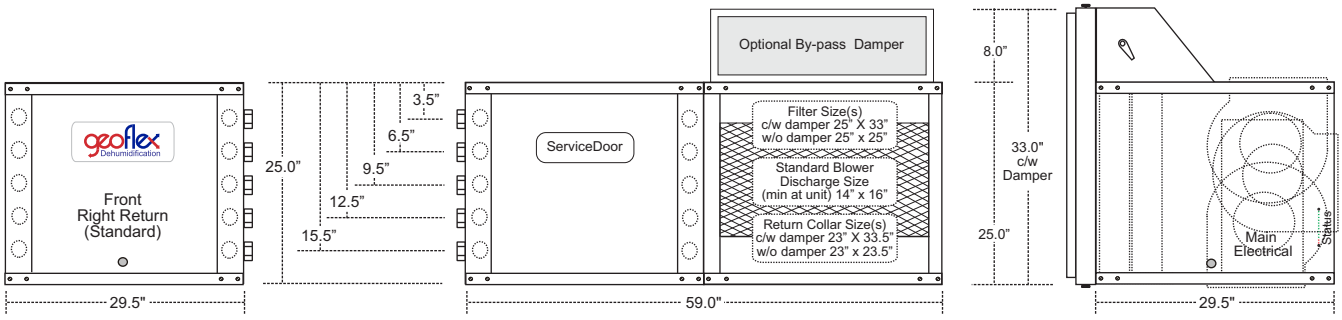
Condensate Sensor	Electronic Condensate Pan Overflow Sensor is included in all Dehumification Systems.
Condensate Line Position	Systems come with a condensation line that can be adapted to any corner of the system, in the field!
Evaporator Construction	All Evaporator Coils are Insulated to avoid Condensation Rusting
Feild Adaption	All Systems are designed to offer maximum field adaptability

Notes: As Geoflex offers a wide variety of features, configurations and options, weights and measures can vary, depending on options!

The main electrical box positioning can vary, depending on features, options and field requirements.





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