

The Greenhouse Company of South Carolina, LLC

Manufacturing *Jāderloon™* Products



Experience

Quality

Service

Design

www.thegreenhousecompany.net







1-800-258-7171

\$3.00



The Greenhouse Company of South Carolina, LLC

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Jāderloon Truss

Jāderloon Frames



Appalachian™

Appalachian Specifications:

Available Widths: 18' to 42'
Available Length: Any multiple of 12'
Available Heights: 8' to 14'

Design Loads:

- * Standard 90 mph wind load with upgrades available for higher wind requirements.
- * Up to 42 lbs. snow load on 30' width to handle heavy snow loads. Smaller width frames allow for higher snow load
- * May be certified for any location

The structure may be covered with twinwall polycarbonate sheeting, corrugated polycarbonate sheeting or corrugated metal sheeting.

Frame Materials:

- 1.5" square 16GA truss web members and sidewall rails
- 2" square 15GA truss chords and roof purlins
- 4" square 13GA columns
- 2" square and 1.5" square 15GA endwall framing
- All frame members are galvanized steel
- 14GA galvanized steel gutter



Greenhouses



Appalachian™

Jäderloon Frames





Appalachian



The **Appalachian's** attractive A-frame roofline and variety of cover and equipment options make it the preferred greenhouse structure for Retail display and Educational and Research applications.

The ability to join multiple bays together of any width and length makes it possible to fit any situation





Appalachian

J a d e r l o o n F r a m e s



The **Appalachian** greenhouse is the perfect structure for any retail or institutional facility. The architectural styling as well as the spacious dimensions are very appealing to customers.

Appalachian structures can be approved for construction in any state and certified by a licensed engineer of that state for permitting requirements.

The **Appalachian** can be installed with the columns set in the ground with concrete footings or plated and bolted to a pre-engineered existing concrete slab.

The **Appalachian** is compatible with all greenhouse equipment including power roof vents, exhaust fans, vents, shutters, evaporative cooling systems, curtains, and shade systems.



Jāderloon Truss

Jāderloon Frames



Piedmont™

Piedmont Specifications:

Available Widths: 30', 32', and 35'
Available Length: Any multiple of 12'
Available Heights: 8' to 14'

Frame Materials:

1.5" square 16GA truss web members and sidewall rails
2" square 15GA truss chords and roof purlins
4" square 13GA columns
2" square and 1.5" square 15GA endwall framing
All frame members are galvanized steel
14GA galvanized steel gutter

The Piedmont's classic arched roofline, wide bay widths and superior strength make it the top choice when a larger open work area is required. Like the Appalachian, the ability to join multiple bays together of any width and length make it possible to fit any situation.

Design Loads:

- * Standard 90 mph wind load with upgrades available for higher wind requirements.
- * Up to 42 lbs. snow load on 30' width to handle heavy snow loads. Smaller width frames allow for higher snow load
- * May be certified for any location

10.5" Gutter

10 1/2" wide gutter with molded-in Kwic-Klip base. I-Beam strength plus anti-drip inside gutter.



Hi Cotton
St Matthews, SC

Greenhouses



Piedmont™

Jäderloon Frames





Classic Series

Jaderloon Frames

Classic Specifications:

Available Widths: 18', 22', 24' and 30'
 Available Length: Any multiple of 12' or 8'
 Available Heights: 8' to 14'

Frame Materials:

18' frame - 1.315" 18GA bows
 22' and 24' frame - 1.66" 16GA bows
 30' frame - 1.90" 13GA bows

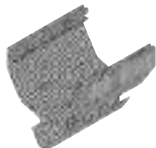
18' frame - 1.90" 13GA columns
 22', 24' and 30' frame - 2.375" 13GA columns

1.315" 18GA rib braces

All frame members are galvanized steel

7.4" wide 1/8" thick 6005 aluminum alloy gutter

Life-Time" extruded aluminum gutter has an antidrip internal gutter and Kwic-Klip base built-in. I-Beam strength gutter is 7 1/2" wide.



Design Loads:

- * Standard 90 mph wind load with upgrades available for higher wind requirements.
- * Up to 20 lbs. snow load on 30' width to handle heavy snow loads. Smaller width frames allow for higher snow load
- * May be certified for any location

Cover Options

Polyethylene film for roof cover. Endwalls and sidewalls can be polyethylene film, twinwall polycarbonate, corrugated polycarbonate or corrugated metal.





Jäderloon Frames

Jäderloon complete gutter packages



Sumter, SC

Jäderloon Frames

System 9696

- * 96' x 96' x 10' Gutter House Frame, 9,216 sq.ft.
- * Seven single speed exhaust fans
- * Four 39" motorized inlet shutters
- * Eight Uni-Flo HAF Fans
- * 4' x 90' Versa-Vent
- * Four Inflation blowers with jumper hose & hardware
- * Control
- * Four 3' x 7' Polycarbonate doors
- * Complete hardware and film. (End walls supplied by owner)

Northern Package

8' Column spacing with four 300,000 BTU heaters

Southern Package

12' Column spacing with four 230,000 BTU heaters

System 4896

- * 48' x 96' x 10' Gutter House Frame, 4608 sq.ft.
- * Four Single Speed Exhaust Fans
- * Two 39" motorized inlet shutters
- * Eight Uni-Flo HAF Fans
- * 4' x 40' Versa-Vent
- * Two Inflation Blowers with Jumper Hoses & hardware
- * Control
- * Two 3' x 7' Polycarbonate doors.
- * Complete hardware and film (End walls supplied by owner)

Northern Package

8' Column spacing with two 300,000 BTU heaters.

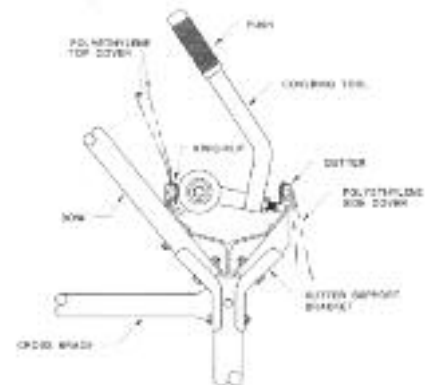
Southern Package

12' Column spacing with two 230,000 BTU heaters.

System NV4896

- * 48' x 96' x 12'. Gutter House- 2 bay 24' wide
- * Double layer 4 yr 6 mil clear roof and ends
- * Kwic-Klip base and cap poly system
- * 4' x 8' Jäderloon polycarbonate door
- * Two 96" center drive motorized curtain
- * Two 300,000 BTU high efficiency heater, vent pipe and hanger kit
- * Eight HAF fans
- * Two single stage thermostats

Exclusive "Rollox" attachment system makes film application quick and easy.



Jäderloon Instructor Greenhouses



A class of their own!



**Greenhouses for
Learning & Living
from
The Greenhouse
Company of South
Carolina, LLC**

J ä d e r l o o n F r a m e s





Instructor Greenhouse

Instructor Specifications:

Available Widths: 18' to 30'
 Available Length: Any multiple of 6'
 Available Heights: 6' or 8'

Frame Materials:

1.5" square 16GA truss web members, sidewall rails and purlins

2" square 15GA truss chords and ridge purlins

2" x 4" rectangular 14GA or 11GA columns

All frame members are galvanized steel

Design Loads:

* Standard 90 mph wind load with upgrades available for higher wind requirements.
 * Up to 30 lbs. snow load available
 * May be certified for any location



Jaderloon Instructor Greenhouses Include:

- Twinwall or corrugated polycarbonate
- Exhaust fans
- Motorized shutter
- Evaporative cooling system
- Rack and pinion power vent
- Propane or natural gas unit heater
- HAF circulation fan
- Control and wiring diagram

Options Available

- Shade cloth
- Irrigation system
- Hanging basket rails
- Benches
- Hydroponic, aquaponic and aquaculture systems
- Installation





Instructor Greenhouse

Jäderloon Instructor Greenhouse

The **Instructor's** aesthetic design, low maintenance requirements, range of available widths and superior strength make it the forerunner for all educational and developmental institutions. The structures include trusses at every column to maximize the frame's strength.

Schools, hospitals, assisted living, senior and rehabilitation centers have discovered the values of greenhouses for education and development.

Greenhouse projects can enhance math and biology knowledge for students and provide therapy.

Sample Institutional Packages

System 2848S
28' x 48'
Hardshell Package
1,344 Sq. Ft.

Complete greenhouse with one 42" fan, 33" motorized shutter, 3' x 15' motorized vent and evaporative cooler, two 20" Uni-Flo HAF fans, gas heater, thermostatic logic controller and one 48" x 84" welded aluminum door.

All hardware is supplied to complete the greenhouse. *Benches and growing accessories are available as options.*

System 2896S
28' x 96'
Hardshell Package
2,688 Sq. Ft.

Complete greenhouse with two 42" fans, 33" motorized shutter, 5' x 15' motorized vent and evaporative cooler, four 20" Uni-Flo HAF fans, gas heater, thermostatic logic controller and two 48" x 84" welded aluminum doors.

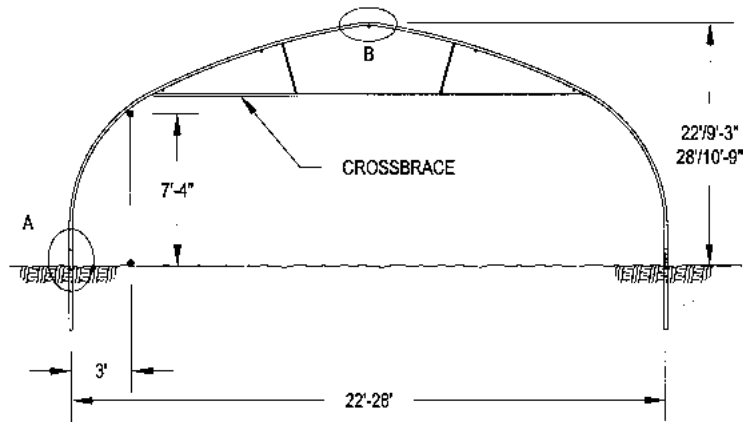
All hardware is supplied to complete the greenhouse. *Benches and growing accessories are available as options.*



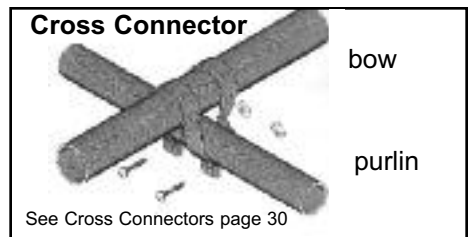
Freestanding Greenhouses and Coldframes

Jäderloon Frames

Size	Bow Sp.	Snow Load
30' x 48'	4'	20 lbs.
30' x 45'	5'	16 lbs.
30' x 48'	6'	13 lbs.
Kwic-Klip		350'
30' x 96'	4'	20 lbs.
30' x 95'	5'	16 lbs.
30' x 96'	6'	13 lbs.
Kwic-Klip		440'
28' x 48'	4'	25 lbs.
28' x 45'	5'	20 lbs.
28' x 48'	6'	17 lbs.
Kwic-Klip		320'
28' x 96'	4'	25 lbs.
28' x 95'	5'	20 lbs.
28' x 96'	6'	17 lbs.
Kwic-Klip		416'
24' x 48'	4'	31 lbs.
24' x 45'	5'	25 lbs.
24' x 48'	6'	21 lbs.
Kwic-Klip		312'
24' x 96'	4'	31 lbs.
24' x 95'	5'	25 lbs.
24' x 96'	6'	21 lbs.
Kwic-Klip		400'
22' x 48'	4'	38 lbs.
22' x 45'	5'	31 lbs.
22' x 48'	6'	26 lbs.
Kwic-Klip		296'
22' x 96'	4'	38 lbs.
22' x 95'	5'	31 lbs.
22' x 96'	6'	26 lbs.
Kwic-Klip		384'



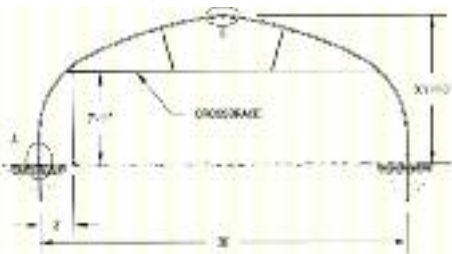
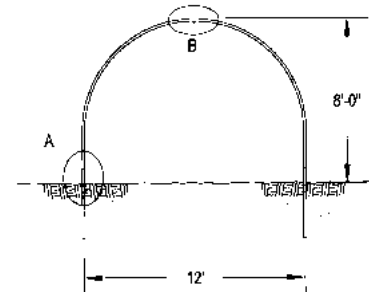
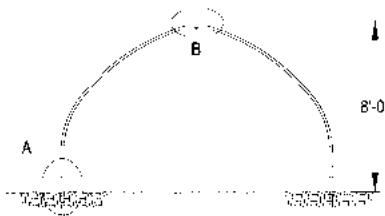
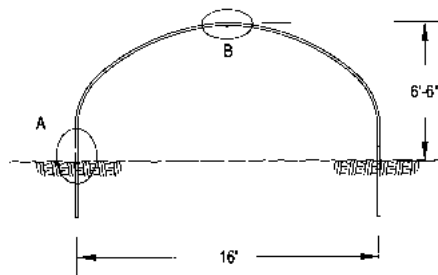
The **Freestanding** greenhouses are engineered for strength and dependability. The original cross connectors securely clamp frame members without weakening them with drilled bolt holes. Diagonal braces are computer designed to provide maximum strength with minimum shadow.



Crossbrace assemblies at every intermediate bow more than double the frame's strength on the 22', 24', 28' and 30' widths.

Freestanding frames can be used all year when exhaust fans, shutters, vents, cooler and heaters are installed. Any size frame can be used as a **Coldframe** to overwinter your crop.

Size	Bow Sp.	Snow Load
16' x 45'	5'	34 lbs.
16' x 48'	6'	29 lbs.
Kwic-Klip		216'
16' x 95'	5'	34 lbs.
16' x 96'	6'	29 lbs.
Kwic-Klip		312'
14' x 45'	5'	31 lbs.
14' x 48'	6'	25 lbs.
Kwic-Klip		216'
14' x 95'	5'	31 lbs.
14' x 96'	6'	25 lbs.
Kwic-Klip		312'
12' x 15'	5'	38 lbs.
12' x 30'	5'	38 lbs.
Kwic-Klip		



Film Requirements*	
Frame Width	Film Width
30 ft.	48 ft.
28 ft.	42 ft.
26 ft.	40 ft.
24 ft.	36 ft.
22 ft.	32 ft.
20 ft.	32 ft.
12,14,16 ft.	24 ft.

* Film requirements for Jäderloon frames

Economy Frames



Economy Frame Specifications:

20' width - 1.66" 16GA bows and 1.90 13GA Anchors

14' and 16' widths - 1.315" 18GA bows and 1.5" 15GA anchors

The baseboards are bolted to the anchor instead of the bow. Economy frames are designed for easy installation. The frames do not include cross braces.

Size	Bow Sp.	Sq. Ft.
20' x 48'	4'	960
20' x 45'	5'	900
Kwic-Klip		296'
20' x 96'	4'	1,920
20' x 95'	5'	1,900
Kwic-Klip		384'
16' x 48'	4'	768
16' x 45'	5'	720
Kwic-Klip		216'
16' x 96'	4'	1,536
16' x 95'	5'	1,520
Kwic-Klip		312'
14' x 48'	4'	672
14' x 45'	5'	630
Kwic-Klip		216'
14' x 96'	4'	1,344
14' x 95'	5'	1,330
Kwic-Klip		312'

Hobby Houses

Micro-Farm Complete Package with twinwall polycarbonate and 6.5' high sidewalls

- * Complete frame system with 1" x 2" galvanized top and bottom chords, hat channel, purlin run and 1" square galvanized steel tubing for endwall framing
- * Twinwall 8 mm clear polycarbonate, extrusions and hardware
- * Ventilation package, including exhaust fan louvered door vent and thermostat
- * Heating system
- * Bench system with Dura Bench Top
- * 3' x 7' Twinwall Polycarbonate Single Hinged Door

12' x 12' Package \$5,657
optional: 33" cooler \$ 861

12' x 24' Package \$8,588
optional: 33" cooler \$ 845



*Customer must provide treated lumber. Complete instructions are included. Assembly required.

Micro-Cooler



The Micro-Cooler is a miniature version of the famous Carolina Cooler. It is sized for an average hobby greenhouse. The Micro-Cooler is coupled with a small aluminum inlet shutter and is spaced off the wall to allow room for the shutter motor to operate between them. The complete plumbing system is also miniaturized to match the requirements of the Micro-Cooler.

Frame System with Polyethylene



Systems include galvanized steel frame, one layer of polyethylene film cover, hardware and one heavy duty storm door.

System 1212 \$1,035

System 1224 \$1,415

Complete Package with Polyethylene

- * Complete frame system
- * Double layer, inflated, 4 year, 6 mil poly cover and attachment system
- * Ventilation package, including exhaust fan, louvered door vent and thermostat
- * Heating system
- * Bench
- * Heavy duty storm door

12' x 12' Package \$2,438
(includes 1- 4' x 10' bench)

12' x 24' Package \$4,007
(includes 1- 4' x 20' bench)

Freestanding



**Cloverleaf
Johns Island, SC**

Jaderloon Frames

Freestanding Specifications:

Available Widths: 12', 14', 16', 22', 24', 28' and 30'

Available Length: Any multiple of 4', 5' or 6'

Frame Materials:

12' to 16' widths - 1.66" 16GA one piece bows

22' to 30' widths - 1.66" 14GA two piece bows

1.315" 18GA cross braces on intermediate bows of 22' to 30' widths

1.90" 13GA anchors

1.315" 18GA purlins and corner braces

.922 18GA rib braces

All frame members are galvanized steel.



"The Package" was developed to provide a complete greenhouse, ready to move into. Add benches, irrigation and a few other growing accessories to match the plants you'll be growing.

Includes:

- * Complete Frame
- * Two 42", 3/4 HP, Exhaust Fans
- * 33" Motorized Shutter
- * Four Uni-Flo 20" HAF fans
- * Thermostatic Logic Controller
- * Heater (Vent Pipe, Hanger)
- * 5' x 15' Motorized Versa-Vent
- * Inflation/Insulation System
- * Kwic-Klip Fastening System
- * 2 Layers Polyethylene Film
- * Two 36" x 84" Aluminum Doors
- * Poly-Patch Tape

Northern Package 28' x 96'

All features listed plus 4 ft. bow spacing and one 300,000 BTU high efficiency heaters. (70▲T)

Southern Package 28' x 95'

All features listed with 5 ft. bow spacing and one 200,000 BTU heater (60▲T)

Options

Carolina Cooler:

System 2895, 5' x 15', Twinwall polycarbonate Endwall.*
*Metal endwalls are recommended for this option.

Field-cut Metal Endwalls:

Metal endwalls are made of 1-1/2" square tubing. Metal ends are field-cut to fit required equipment and are attached with Jaderloon exclusive endwall connectors.

Optional Equipment: Add benches, irrigation, trolley systems, and other

Treated lumber for baseboards and endwall framing provided by customer.



System E3045

- * Complete 30' x 45' frame with 1-5/8" bows and 5 ft. bow spacing. 1,350 sq. ft.(4ft. bow spacing available at additional cost).
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 42" 2-speed, 3/4 HP exhaust fan
- * 39" motorized gable shutter
- * Two 3'x5' motorized intake shutters
- * 115,000 BTUH high efficiency heater with vent pipe and heater hanger
- * Two 20" Uni-Flo HAF fans
- * Single and two stage thermostats

System E2845

- * Complete 28' x 45' frame with 1-5/8" bows and 5 ft. bow spacing. 1260 sq. ft.(4ft. bow spacing available at additional cost).
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 42" 2-speed, 3/4 HP exhaust fan
- * Two 3' x 5' motorized gable shutters
- * One 33" motorized intake shutters
- * 115,000 BTUH high efficiency heater with vent pipe and heater hanger
- * Two 20" Uni-Flo HAF fans
- * Single and two stage thermostats

System E3095

- * Complete 30' x 95' frame with 1-5/8" bows and 5 ft. bow spacing. 2,850 sq. ft.(4ft. bow spacing available at additional cost).
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 42" 2-speed, 3/4 HP exhaust fan
- * One 42" 1-speed 3/4 HP exhaust fan
- * 39" motorized gable shutter
- * Two 57" motorized intake shutters
- * 230,000 BTUH high efficiency heater with vent pipe and heater hanger
- * Four 20" Uni-Flo HAF fans
- * Single and two stage thermostats

System E2895

- * Complete 28' x 95' frame with 1-5/8" bows and 5 ft. bow spacing. 2,660 sq. ft.(4ft. bow spacing available at additional cost).
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 42" 2-speed, 3/4 HP exhaust fan
- * One 42" 1-speed, 3/4 HP exhaust fan
- * 33" motorized gable shutter
- * Two 57" motorized intake shutters
- * 200,000 BTUH high efficiency heater with vent pipe and heater hanger
- * Four 20" Uni-Flo HAF fans
- * Single and two stage thermostats

Options/Upgrades

(in addition to package prices)

Upgrade to Versa Vent, Carolina Cooler and Thermostatic Logic Controller

- System 2845 (3' x 12')
- System 2895 (5' x 15')
- System 3045 (3' x 12')
- System 3095 (4' x 20')

Upgrade to welded aluminum door with twinwall polycarbonate cover

Metal Endwalls for Packages

Field-cut Metal Endwalls:

Metal endwalls are made of 1-1/2in. square tubing. Metal ends are field-cut to fit required equipment and are attached with Jaderloon exclusive endwall connectors.

Treated lumber for baseboards and endwall framing provided by customer.





Jāderloon freestanding economy greenhouse packages

System E2245

- * Complete 22' x 45' frame with 1-5/8" bows and 5 ft. bow spacing. 990 sq. ft. (4' bow spacing available at additional cost).
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 36" 2-speed, 1/2 HP exhaust fan
- * One 27" motorized gable shutter
- * Two 39" motorized intake shutter
- * 115,000 BTUH heater with vent pipe and heater hanger
- * Two 20" Uni-Flo HAF fans
- * All necessary thermostats.

System E2295

- * Complete 22' x 95' frame with 1-5/8" bows and 5 ft. bow spacing. 2090 sq. ft. (4ft. bow spacing available at additional cost).
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 36" 2-speed, 1/2 HP exhaust fan
- * One 36" 1-speed, 1/2 HP exhaust fan.
- * Two 51" motorized intake shutter
- * One 33" motorized gable shutter
- * 175,000 BTUH heater with vent pipe and heater hanger
- * Four 20" Uni-Flo HAF fans
- * All necessary thermostats.

Options/Upgrades

(in addition to package price)

Add Carolina Cooler, Versa Vent and Thermostat Logic Controller

System 2245 (2'x12')
System 2295 (4'x12')

Upgrade to welded aluminum door with twinwall polycarbonate cover

Polycarbonate endwalls

Field cut Metal Endwall Frame:

Made with 1 1/2" square tube, field cut to fit required equipment and attached with Jaderloon exclusive endwall connectors.

Treated lumber for baseboards and endwall framing provided by customer.



Jäderloon freestanding greenhouse packages



System 1445

- * Complete 14' x 45' frame with 1-3/8" bows and 5 ft. bow spacing. 630 sq. ft.
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 24" 2-speed, 1/3 HP exhaust fan
- * Two 33" motorized intake shutters
- * 60,000 BTUH heater with vent pipe and heater hanger
- * One 20" Uni-Flo HAF fans
- * All necessary thermostats.

System 1495

- * Complete 14' x 95' frame with 1-3/8" bows and 5 ft. bow spacing. 1330 sq. ft.
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 36" 2-speed, 1/2 HP exhaust fan
- * Two 39" motorized intake shutters
- * 115,000 BTUH heater with vent pipe and heater hanger
- * Two 20" Uni-Flo HAF fans
- * All necessary thermostats.

System 1630

- * Complete 16' x 30' frame with 1-3/8" bows and 5 ft. bow spacing.
- * Double layer, inflated, 4 yr 6 mil poly film cover
- * Kwic-Klip poly attachment system
- * One heavy duty storm door
- * One 24" 2-speed, 1/3 HP exhaust fan
- * Two 33" motorized intake shutter
- * 60,000 BTUH heater with vent pipe and heater hanger
- * Two 20" Uni-Flo HAF fans
- * All necessary thermostats.



Options/Upgrades

Add Carolina Cooler and thermostat
System 1445 (3'x5')
System 1495 (2'x10')

Upgrade to welded aluminum door with twinwall polycarbonate cover

Twinwall polycarbonate ends

Field cut Metal Endwall Frame:
Made with 1 1/2" square tube, field cut to fit required equipment and attached with Jäderloon exclusive endwall connectors.

Jäderloon freestanding natural ventilation greenhouse packages



Jäderloon Frames

System NV2245

- * Complete 22' x 45' frame with 1 5/8" bows and 5' bow spacing. (4' available - call for quote)
- * Double layer, 4 yr 6 mil clear poly roof and ends with blowers and bracket kit
- * Kwic wire poly attachment system
- * One heavy duty storm door
- * Two 45' rollup sidewall curtains (manual)
- * 100,000 BTU high efficiency heater, vent pipe and heater hanger
- * Two HAF fans
- * Single stage thermostat

System NV2845

- * Complete 28' x 45' with 1 5/8" bows and 5' bow spacing (4' available - call for quote)
- * Double layer 4 yr 6 mil clear poly, roof and ends with blower and bracket kit
- * Kwic wire attachment system
- * One heavy duty storm door
- * Two 45' sidewinder curtains (manual)
- * 145,000 BTU high efficiency heater, vent pipe and hanger kit.
- * Two HAF fans
- * Single stage thermostat

System NV2295

- * Complete 22' x 95' frame with 1 5/8" bows and 5' bow spacing. (4' available - call for quote).
- * Double layer 4 yr. 6 mil clear poly roof and ends with blower and bracket kit
- * Kwic wire poly attachment system
- * One heavy duty storm door
- * Two 95' rollup sidewall curtain (manual)
- * 175,000 BTU high efficiency heater, vent pipe and hanger kit.
- * Four HAF fans
- * Single stage thermostat

System NV2895

- * Complete 28' x 95' with 1 5/8" bows and 5' bow spacing (4' available - call for quote)
- * Double layer 4 yr 6 mil clear poly, roof and ends with blower and bracket kit
- * Kwic wire attachment system
- * One heavy duty storm door
- * Two 95' sidewinder curtains (manual)
- * 230,000 BTU high efficiency heater, vent pipe and hanger kit
- * Four HAF fans
- * Single stage thermostat

Options/Upgrades

(in addition to package prices)

Optional Winter Ventilation Package - consists of fan, shutter and thermostat

Upgrade to welded aluminum door with twinwall polycarbonate cover (**added to any package**)

Metal Endwalls for Packages

Field-cut Metal Endwalls:
Metal endwalls are made of 1-1/2" square tubing. Metal ends are field-cut to fit required equipment and are attached with Jäderloon's exclusive endwall connectors.

Polycarbonate Endwalls

8mm Twinwall Polycarbonate Endwalls

Treated lumber for baseboards and endwall framing provided by customer. Freight charges additional.

Jäderloon greenhouses and equipment help our customers “grow”



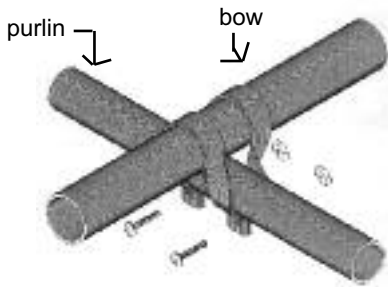
Whether you're a grower, retailer, or hobbyist, The Greenhouse Company has the greenhouses and equipment to help you “grow” with unmatched strength and dependability.

Engineering, thorough testing and practical, in-the-field experience make Jäderloon greenhouses stronger and more dependable than the rest.

Our design team starts with galvanized structural steel tubing made for maximum performance in greenhouse design.

The crossbrace assembly at each intermediate bow more than doubles the frame's strength. Diagonal braces are computer designed to provide maximum strength with minimum shadow.

Jäderloon famous cross-connectors securely clamp frame members without weakening them with drilled bolt holes. Nothing compromises the strength of a Jäderloon greenhouse.



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From the ground up, Jäderloon strength shows. Jäderloon greenhouses are designed for strength where it's secured to the ground.

When frame members are butt-joined, a sleeve surrounds the joint, assuring undiminished strength.



Crop Tunnel Packages



30' x 72' Crop Tunnel Packages

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Crop Tunnel Package

30' x 72' Crop Tunnel (6' spacing)

All packages include the frame, single layer 6mil polyethylene, manual roll up sidewall curtain and manual rollup endwall doors.

*** Crop Tunnels available that meet NRCR grant requirements.**

Check out your local USDA website.

Freestanding Specifications:

Available Widths: 30'
Available Length: Any multiple of 5' or 6'

Frame Materials:

- 1.66" 14GA two piece bows
- 1.315" 18GA cross braces on intermediate bows o
- 1.90" 13GA anchors
- 1.315" 18GA purlins and corner braces
- .922 18GA rib braces

All frame members are galvanized steel.

Crop Tunnels



Crop Tunnels

- ◆ Designed & tested for strength
- ◆ Three purlins runs the length of the frame.
- ◆ Choice of strength according to spacing of bows



Greenhouse Film



4-Year UV Film

Polyethylene films are highly flexible plastic typically manufactured with UV protection to block harmful UV rays that can damage plastic and crops. The more UV protection the longer the life of the plastic. Special resins keep plastic flexible in cold weather, yet stable under hot conditions.

4-Year White Film

Offer shading to delicate plants with 4-year white film. Same as 4-year UV film, but white in color offering more protection to delicate plants.

1-year & overwinter plastic are available for coldframes. Thickness and widths vary. Call for quote.

IR/Anti-drip/Condensation Control

Anti-drip treatments lower the co-efficient of friction on the surface of the material. This slippery surface ensures that the condensation sheets off in an even film and is not allowed to form into a droplet. The anti-drip feature reduces the possibility of diseases and damage to crops.

Standard film lengths are 100', 110' and 150'. Custom lengths are available over 100'. Widths vary according to plastic type from 12' to 50'.

Greenhouse film may be attached using the Jaderloon Kwik-Klip (see page 27) or other methods.

Film Requirements*	
Frame Width	Film Width
30 ft.	48 ft.
28 ft.	42 ft.
26 ft.	40 ft.
24 ft.	36 ft.
22 ft.	32 ft.
20 ft.	32 ft.
12,14,16 ft.	24 ft.

* Film requirements for Jaderloon frames.

For non-Jaderloon frames Height of greenhouse, width of frame, width of frame from ground over the top of frame to ground and length of the frame are require to get the correct film for your greenhouse

4 Year 6 Mil Greenhouse Film

(Warranted for 4 years only if plastic is double layered and inflated)

	Clear/UV	White
24' x 100'	\$246	\$269
28' x 100'	\$287	\$313
32' x 100'	\$328	\$358
36' x 100'	\$370	N/A
40' x 100'	\$411	\$448
42' x 100'	\$431	\$470
48' x 100'	\$493	\$537

Prices subject to change

PolyPatch™

Leading Polyethylene Repair Tape in USA
Aggressive Adhesive!

Poly Patch™ is a complete first-aid kit for greenhouses, this rugged patching tape bonds aggressively to polyethylene film.

Made from a highly UV stabilized 6 mil polyethylene film with a UV stabilized adhesiver



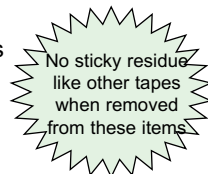
Part #	Size	Price
2PP0248	2" x 48'	\$7.75
2PP0448	4" x 48'	\$16.50
2PP0648	6" x 48'	\$27.50
2PP1024	10" x 24'	\$25.25

Poly-Patch™ uses for greenhouses:

- * For patching any polyethylene rips and tears for both indoors and outside
- * To reinforce greenhouse covering that is subjected to stress (i.e. inflation blowers direct pressure against plastic)
- * To help reinforce plastic at any sharp edges
- * For temporarily repairing cracks or breaks in polycarbonate coverings

Other Reported Uses for Poly-Patch™:

- * Laminating papers
- * Temporary repair of cracks in fiberglass tubs
- * Temporary repair of vinyl furniture
- * Temporary repair of broken windows
- * Temporary repair of convertible tops



Life Expectancy/Application

Actual field experience has shown that Poly-Patch™ will last about as long as a greenhouse covering when applied properly on a clean dry surface.

Apply to clean/grime free dry polyethylene film. When applying in cold climates, precut patches may be stored inside one's coat such that body heat will keep the adhesive warm. This will aid in getting a better patch job. Press out air bubbles after applying.

Item	Part #	Size	Price
Black Web Tape	2MS0184	1 3/4" x 300'	\$15
Batten Tape	2MS0170	3/4" x 500'	\$35
	2MS0180	3/4" x 1000'	\$68
Pak Gard Tape	2MS1420	40'	\$22
Film Knife	2MS6060		\$3.75

Jaderloon Film Fastening Systems



Kwic-Klip Film Fastening System*

*The Greenhouse Company recommends using a film without a slip agent with our Kwic-Klip System

It's The Best In The Industry For:

* **Holding Power:** Over 250 lbs. of holding power per lineal foot without creating stress points or shear force on your poly. In real terms, Kwic-Klip has held poly on through hurricane winds.

* **Fast and Easy Installation and Removal:** Self-locking, 2-piece, high-strength aluminum alloy extrusions snap-on/snap-off for quick, smooth, easy installation and removal of film.

* **Total Capability:** Truly designed for maximum performance on the greenhouse. Ideal for double and single layer (up to 12 mil) air-inflated greenhouses and poly over glass.

It's self-shading, protecting your poly from UV rays and heat build-up at critical holding points.

Easily attached to wood or metal, and its reusable time and again.

Quantity Pricing For Kwic-Klip Base and Cap (2 layer)			
8 ft. to 2,000 ft.....	\$1.45/ft.	2,008 ft. to 5,000 ft.....	\$1.40/ft.
5,008 ft. - 10,000 ft.....	\$1.36/ft.	10,008 ft. and up.....	\$1.30/ft.

Kwic-Klip Extrusions

Part #	Description	Qty/Price
3PN4725	8 ft. Base	ft. \$0.78
3PN5098	8 ft. Cap	ft. \$0.67
3PN5096	Two layer, 6" Curved Cap	ea. \$0.74
3PN4723	8' Angle Base	ft \$2.06
3PN5094	One layer, 6" Curved Cap	ea. \$0.93
3PN5095	8' Single Cap	ft. \$0.80



Kwic-Klip Base



Kwic-Klip Cap

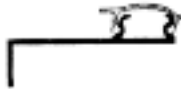
Use on all surfaces (pipe, tube, box beam, wood). The base may be curved over bows. Use curved cap below over bows. Holds 2 layers of film.

Single Layer Kwic-Klip Cap



Engineered specifically for single layer film applications **only**. This Kwic-Klip cap gives you all of the benefits of our time-tested two layer cap. Holds 4 to 6 mil polyethylene.

Kwic-Klip Angle Base



Joins rigid endwall material with polyethylene roof. Fits different thicknesses of corrugated and flat fiberglass and polycarbonate.



Kwic-Klip Pre-Bent Cap

Contoured and cut in 6 in. lengths for easy use on bows & curved surfaces. Holds up to 4 layers of film



Kwic Wire Fastening System

* **Easiest of All to Install:** Omni-directional base eliminates "upside-down" installation.

* **Universal Application** Holds single and double layers equally.

* **Less Expensive** Not only is Kwic Wire easier to use, its one of the lowest cost systems found in the industry!

* **Save With Quantity Pricing** Available in 8 ft. lengths with quantity purchase savings above 2,000 lineal feet.

Aluminum channel with stainless steel wire lock. Easy installation with no skill required. Can hold against a force applied to either side of lock unlike most other clips. Great for general use and especially above side curtains when the roof & curtain are a continuous piece of polyethylene.

Extrusion

Part #	Description	Length	Price
1AE160096	Base	8 ft.	\$0.64ft.
2MS3060	Wireloc	6.5 ft.	\$44*

* Wireloc sold in groups of 20 pieces

The Greenhouse Company's Rubber Mallet is specially designed for installing the Jaderloon Kwic-Klip system. Other mallets may damage Kwic-Klip. The Greenhouse Company, recommends using Rubber Mallet (4PN0110) \$36



#10 x1" TEK screws for wood (2FMF0510) \$0.19 ea.

or

#12 x 3/4" Drill point screws for metal (2FMF0610) \$0.11 ea.



Greenhouse Components

Polycarbonate Extrusions Twin Wall Panels

Glazing H



Polycarbonate Gutter Extrusion

The polycarbonate gutter extrusion is designed to trim the 8mm roof glazing along the gutter on an A-frame style gutter-connected roof. It can be caulked and screwed to the edge of the gutter for the best possible seal. The eave extrusion incorporates a small condensate collection channel and will drain to the low end of the pitched gutter.

1AE200240 20 ft. lengths \$25.60



Eave Extrusion

The eave extrusion is a multipurpose extrusion in that it trims the 8mm roof glazing as well as the 8mm sidewall glazing. It also incorporates a condensation channel that can be drilled to dispense collected moisture to the exterior of the structure. The eave extrusion mounts to either a 1.5"+ square frame member or a 2x4 wood stringer attached along the eave.

1AE180240 20 ft. lengths \$64.60

Glazing H blends the simplicity of an H-Channel with the elevated profile and seepage channels of a two piece glazing bar. Glazing H works great on gable roofs with external purlins for attachment. Available for 8mm only.



1AE051288 24 ft. lengths \$43.20

For endwall covering: H-Channel

Joins 8mm panels on vertical walls. Attaches to flat structural members.

1AE046096
8 ft. \$16.80

J-Channel

Protects and trims raw edges on 8mm panels.

1AE047096 8 ft. \$6.08

Endwall Kits

Complete hardware and polycarbonate paneling. Can be made to fit any size endwall. Panel width 4' or 6', length up to 39'.

Neoprene Bonded Washers

Stainless Steel washers - seal and protect plastic where screws are installed.

2FMF1215 12 x 1" \$0.20 each

Corrugated Panel Accessories

Horizontal Foam Closure

2MS0386 \$1.70 ea.
Seals panel ends, 1 in. x 3 ft. pieces.

Self-Grip Lap Fasteners

2MS0383 \$0.50 ea.
Joins 2 pieces at lap. Includes screws.

Drill-Point Screw

2FMF0519 #12X1" \$0.15 ea.
Fastens panels to aluminum and steel supports. Weatherseal washer head.

Woodgrip Screw

2FMF0470 #10 x 1-1/2" \$0.16 ea.
Hex-head with weatherseal washer.

Polycarbonate:

structured twinwall & corrugated sheet



Twinwall Panels

Great looking with performance characteristics that are making it a preferred greenhouse material.

8mm sheet:
47 1/4" & 71 1/4" widths
lengths up to 39 ft.

Features:

- * Excellent clarity and light transmission.
- * Energy-efficient twin-wall design
- * Flame retardant panels melt and won't spread flames.
- * Box beam structure gives high impact resistance.
- * UV Stabilized
- * Textured surface diffuses light and prevents condensation drip.

Corrugated Panels

Crystal clear. A great choice for retail endwalls where you want customers attracted inside.

92% light transmission or choose a light diffusing texture on clear panels (45% light diffusion). Tints available for varying degrees of shade.

51" wide panels up to 39 ft. long.

Inflation Systems

Outside Air Inflation System



The self adjusting hose/tube system adjusts automatically allowing the plastic to inflate at the point of penetration by the air inlet hose letting the plastic inflate up to a 10 inch air space.

The benefits of Uni-Force Inflation Systems:

The plastic layers are consistently inflated allowing more air between plastic layers. This reduces condensation inside the house by keeping the colder outer layer of plastic away from the warmer inner layer of plastic.

Part#	Description	Price
4PN0029A	Outside air inflation	\$158
4PN0029AR	Outside air inflation Retro-fit kit	\$62

Jumper Hose



Part #	Description	Price
4PN0040	18" length	\$15
4PN0026	24"	\$15.5
4PN0024	36"	\$16.75
4PN0041	48"	\$17.75



Inflation Blower Air Deflector & Bracket

Centrifugal blower maintains air space between film layers.

The Jäderloon exclusive four-port air deflector reduces film deterioration by directing air away from the poly layer. White cap reduces degradation and eliminates air flow restrictions.

Standard positive twist lock allows easy replacement of old style bushing in existing mounting brackets.

The side panel on the inflation blower allows you to regulate the volume of air moved. Air volume can be adjusted from 0 to 60 CFM on this 3,000 rpm, 115 Volt, 60 HZ, .5 AMP blower. It has a circular flange that fits exclusive blower bracket/air deflector.



Part	#Description	Price
2EQ0400	Adjustable Blower	\$61



4PN0030	Air Deflector & Bracket	\$21.75
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4PN0032	Air Deflector (mushroom cap with twist lock)	\$5.75
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Square Flange Blower

Field interchangeable with most direct drive blowers. Used for inflation, heating, cooling, exhausting and ventilating. Can be mounted in any discharge position. Has automatic reset thermal protection.

Mounting Dimensions:
2-7/8" x 3-15/16" Single speed, 1/25 hp, 115V., 148 CFM, 3160 rpm.

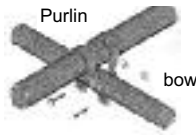
Part #	Description	Price
2EQ0410	Square Flange Blower	\$175
4PN0035	Air Deflector & Bracket	\$23.5

Hardware

Cross Connector

Don't drill! Cross-Connect!

Drilling can compromise the safety of your greenhouse frame by reducing its tube strength a full 25%. The original Jäderloon 2-piece, aluminum connector retains 100% of your frame's strength. Comes complete with bolts and nuts. Use it to connect any tubing or pipe in the following sizes.



Part #	Size	Price/Pair
3PN0003	1" x 1"	\$1.86
3PN0000	1 3/8" x 1 3/8"	\$1.92
3PN0001	1 5/8" x 1 3/8"	\$2.00
3PN0002	2" x 1 3/8"	\$2.02

Cross Connectors
Packed 50 pair per carton.
Assembly Required

Bench

Cross-Clamp

(for 1 3/8 x 1 3/8)

Snap-on ease with solid, secure "vise-edge" grip design. Four point bolt system keeps legs and crosspieces from rotating or slipping. **3PN0230 \$3.40**



Each bench cross-clamp consist of 2 straps, 4 bolts and 4 nuts



Two-Hole Strap

Part #	Size	Qty/Price
3PN0220	fits 1 3/8" tube	\$0.65 each
2EP0020	fits 1 5/8" tube	\$0.67 each
2EP0030	fits 2" tube	\$0.70 each
2EP0035	fits 2 3/8" tube	\$0.82 each

Carriage Bolts

Use where smooth surface is needed or wrench access isn't possible.

Extra Heavy Zinc & Acrylic Coated

Part #	Size	Qty/Price
2FBC0110	1/4"-20 x 1 1/4"	\$0.08 each
2FBC0120	1/4"-20 x 2"	\$0.09 each
2FBC0125	1/4"-20 x 2 1/2"	\$0.10 each
2FBC0130	1/4"-20 x 3"	\$0.23 each
2FBC0135	1/4"-20 x 3 1/2"	\$0.26 each

Extra Heavy Zinc Plated

Part #	Size	Qty/Price
2FBC0140	1/4"-20 x 4"	\$0.13 each
2FBC0230	5/16"-18 x 1 1/2"	\$0.11 each
2FBC0240	5/16"-18 x 2 1/4"	\$0.14 each



Endwall Bracket Assembly

For attaching tubing bows to endwall. Available for 2" x 4" wood & 1 1/2" square metal tubing. Assembles include bracket, brace band, bolt & nut.



Part #	Size	Price Each
Wood End		
3PN0170	Bracket Only	\$1.35
5PN0012	w/1 3/8" Band	\$2.30
5PN0010	w/1 5/8" Band	\$2.70
Metal End		
3PN0175	Bracket Only	\$1.45
5PN0017	w/1 3/8" Band	\$2.33
5PN0015	w/1 5/8" Band	\$2.68

Brace Bands

Galvanized steel brace band used for trussing and bracing.



Part #	Size	Qty/Price
2MS0020	1 3/8"	\$0.80 each
3PN0160 **	1 5/8" cross br.	\$1.15 each
2MS0030	2"	\$0.92 each
2MS0040	2 3/8"	\$0.98 each

** Has additional holes for fasteners where required.

TEK Screws

Stainless steel, drill point, wood screws for use with magnetic drivers. Great for attaching poly clips to wood baseboard.



Part #	Size	Qty/Price
2FMF0510	#10 x 1"	\$0.19 each

Zinc Plated TEK Screws

Part #	Size	Qty/Price
2FMF0610	#12 x 3/4"	\$0.11 each
2FMF0620*	#12 x 1"	\$0.23 each
2FMF0720	#14 x 1"	\$0.18 each
2 FMF0722	#14 x 2"	\$0.30 each

Hex Bolts

Zinc plated, flat, trimmed head, high-quality, finished appearance.



Part #	Size	Qty/Price
2FBH0030	1/4"-20 x 1"	\$0.11 each
2FBH0050	1/4"-20 x 1 1/2"	\$0.15 each
2FBH0110	5/16"-18 x 2 1/4"	\$0.28 each
2FBH0130	5/16"-18 x 3 1/4"	\$0.38 each

Jäderloon™ Tools



Column Driver

Durable, efficient, fast tool for all column or post driving. Fits posts up to 2 1/2" diameter.

4GH0030 \$160.00

Anchor Driver



Drive anchors without damaging your anchor pipe. Installs up to 13 Ga. pipe. Used with a sledge hammer.

Part #	Size	Price
2BP0010	1 3/8"	\$34
2QH0010	1 1/2" and 1 5/8"	\$38
2QH0030	1.9"	\$40

Anchors

Jäderloon anchors are larger than average diameter for added strength.

Part #	Size	Price
3QH0027	40"x1.9x13ga	\$19
3QH0028	64"x1.9x13ga	\$28
3QH1410	40"x1.5x16ga	\$16
3QH1415	64"x1.5x16ga	\$24



Rollox Kwic-Klip Tools for Gutterhouse Use Only.

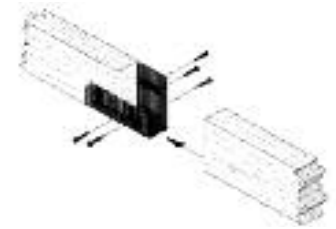


Twice as fast as any other clip system! Two men can install 100 ft. of Kwic-Klip in less than 5 minutes with the Rollox Installer!

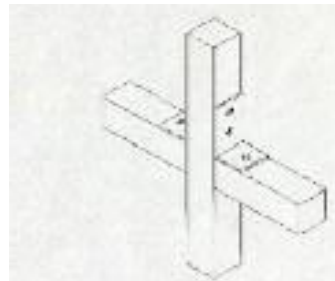
Part #	Description	Price
4GH0020	Installer	\$93
4GH0010	Remover	\$15

Wood Splicer

One person can easily install greenhouse baseboards with this splicer. Fits 2x4's and 2x6's. Galvanized. *Each splicer requires 6 wood screws.



Part #	Size	Price Each
2FMF0510	#10 x 1 wood screws	\$0.19
3PN0210	splicer	\$5.25



Metal Endwall Connector

Connects 1 1/2" or 2" square steel tubing. One angle and 3 screws required per connection.

Part #	Description	Price Ea.
2PN0010-1	Brackets	\$1.45.
2FMF0720	#14 x 1" screws	\$0.14



Magnetic Driver

Used to install Kwic-Klip with TEK screws (see hardware pg.)

Part #	Description	Price
2MS0110	5/16" Driver	\$7.50
2MS0120	3/8" Driver	\$5.70

Pre-hung Aluminum Doors

Built To Last!

Built Jäderloon Tough!

Welded, one-inch square, aluminum tubing, triple-braced with one horizontal and two diagonal braces for maximum rigidity and lifelong squareness. No screws to loosen, no joints to weaken.

Exclusive Anti-Draft Frame

Jaderloon's exclusive Z Frame keeps drafts to a minimum. Eight foot (96") doors have three galvanized hinges, others have two galvanized hinges.

Heavy Duty Handles

Heavy duty handle comes pre-mounted. Can be padlocked.

Two Cover Styles

Twinwall (8mm) or clear (1/16") polycarbonate are riveted and trimmed with aluminum.

Greenhouse Components



Hinged Single Doors
Twinwall

Part #	Size	Qty/Price
4PN0205	36" x 84"	Ea. \$368
4PN0210	48" x 96"	Ea. \$430

Clear

Part #	Size	Qty/Price
4PN0235	36" x 84"	Ea. \$451
4PN0240	48" x 96"	Ea. \$475



Hinged Double Doors

Twinwall

Part #	Size	Qty/Price
4PN0305	72" x 84"	Ea. \$699
4PN0310	96" x 96"	Ea. \$757

Clear

Part #	Size	Qty/Price
4PN0335	72" x 84"	Ea. \$819
4PN0340	96" x 96"	Ea. \$916



Sliding Doors

Single, Twinwall Door

Part #	Size	Qty/Price
4PN0250	36" x 84"	Ea. \$255
4PN0255	48" x 96"	Ea. \$273

Single, Clear Door

Part #	Size	Qty/Price
4PN0280	36" x 84"	Ea. \$311
4PN0285	48" x 96"	Ea. \$360

Double, Twinwall Doors

Part #	Size	Qty/Price
4PN0350	72" x 84"	Ea. \$483
4PN0355	96" x 96"	Ea. \$564

Double, Clear Doors

Part #	Size	Qty/Price
4PN0380	72" x 84"	Ea. \$621
4PN0385	96" x 96"	Ea. \$660

Sliding Door Kits**

Part #	Size/Desc.	Qty/Price
DT1003	Single, 3 ft.	\$135
DT1004	Single, 4 ft.	\$135
DT2006	Double, 3 ft.	\$230
DT2008	Double, 4 ft.	\$262

** Specify door size when ordering.



Greenhouse Benches



Stationary bench

rolling bench

Stationary benches are designed to allow for the aisle width desired for your particular use.

Rolling benches allow you to maximize your bench area while retaining accessibility with one “moving aisle”.

Stationary and rolling benches are permanently mounted to the greenhouse floor.

Free standing benches allow you to change your bench arrangement as your needs change.



Stationary bench

rolling bench

Greenhouse Components



freestanding

Suggested Bench Combination for “The Package” (Greenhouse Area: 2,660 sq. ft.)

One 25” Aisle -
 Bench Area: 2,265 sq. ft.
 Aisle Area: 395 sq. ft.

Benches Needed:
 Two 4’ x 94’ stationary benches
 One 5’ x 89’ rolling benches
 Two 6’ x 89’ rolling benches

Choose the bench style that best suits your needs or use a combination of all three styles.

Palmetto Roof Vent and Roll

Heating, Ventilation and Cooling



James Greenhouse
Colbert, GA

For more than 100 years, ridge and sidewall convection ventilation has been recognized by greenhouse growers as the best, most cost effective way to control greenhouse temperatures.

Natural convection brings cooler air in the sides while warmer air escapes through the roof vent. The Jäderloon™ Palmetto Roof Vent opens a vast amount of the roof to allow maximum air flow while our Roll-Up Sidewalls can open virtually 100% of your walls.

There's no better way to beat the heat than the Jäderloon™ Palmetto roof vent combined with sidewall curtains.



shown with Palmetto Vent
and polycarbonate endwalls



Palmetto Roof Vent Features :

- * Opens 35% of roof area for maximum air flow.
- * Can be linked to side curtains for completely automated, unified ventilation control.
- * Controller is designed to open vent at desired rate on thermostat demand.
- * Low cost installation and operation.
- * Rack & pinion lifts at each rib (bow) for maximum strength and rigidity.
- * Positive sealing vent extrusions with Kwic-Klip base molded in.
- * Outer edge of vent extrusion molded for shade cloth eye-bolt attachment.



- U p C u r t a i n W a l l s



The Jäderloon roll-up curtain walls can be custom fitted to match your requirements. Combined with the Palmetto roof vent system, they make one of the best passive ventilation systems available. You can roll-up virtually 100% of your walls for total air circulation.

The Jäderloon unique drive system places the curtain drive pipe in the center of the curtain rather than the bottom when the curtain is closed.

To open the curtain, the drive pipe moves upward with the top and bottom sections wrapping around it.

This system keeps the motor away from moisture and other contaminants near the ground. The mid-mount also reduces the amount of motor travel by 50%.

Curtains may be motorized or manually controlled. It is possible to mount the motor at either the end or the middle of the drive pipe. Motor and drive pipe ends are covered with a vertical skirt outside.

Rollup curtain polycarbonate endseals:

Polycarbonate endseals may be covered with either 8mm twinwall or corrugated polycarbonate. Polycarbonate end seals are 4' wide x curtain height and are reinforced with 1 1/2" sq. x 16 ga. galvanized steel tube. There is a flexible vinyl flashing along the edge open to the curtain which creates a positive seal.

Metal curtain retainers:

Metal curtain retainers are 1 1/2" sq. x 16 ga. galvanized steel tube spanning the height of the curtain. The retainers are spaced not more than 12' apart for protection against high winds. They are easily removed for replacement of curtain material.



Sidewinder Curtain

The **Sidewinder Curtain** is an inexpensive rollup curtain for the sides of the Jäderloon Freestanding Greenhouses.

The design incorporates the standard roof film into the curtain so that additional curtain material is not required.

The curtain is operated manually from outside the greenhouse using a properly sized gear crank and vertical travel bar and rolling assembly.

A 1.315 x 18 ga. roller pipe is attached to the polyethylene curtain with a continuous aluminum extrusion screwed to the pipe with polyethylene sandwiched between.

The Sidewinder is available in lengths up to 200 ft.

Assembly required





Mention this ad for 5% off your cooler price

Carolina Cooler

Evaporative Cooling System

Assembly required

Beats The Heat For Superior Plant Growth!

Features:

- * Keeps greenhouses cool in the hottest climates.
- * Less shading required to maintain cooler temperatures. More light means faster, stronger growth.
- * Reduces watering due to elevated humidity created by evaporation from the cooling pads
- * Moist, corrugated, cooling media cleans air as it enters greenhouse.
- * Life-time, all-aluminum construction
- * Anti-drip design minimizes water loss
- * Trouble-free, clog resistant media
- * Easily assembled to endwall with no extra support needed
- * 6 inch pads use 33% less wall space than 4 inch pads for same cooling capacity
- * Stainless Steel Fasteners

The Best Just Keeps Getting Better!

Changes in assembly design have made the Carolina Cooler faster and easier to install than ever before. The plumbing components have been upgraded and are more reliable.

Carolina Cooler Standard Sizes

Custom lengths available up to 150 ft.
Prices subject to change.

Height	12 ft. Width	15 ft. Width	20 ft. Width	25 ft. Width
3 ft.	\$1,444	\$1,616	\$1,889	\$2,236
4 ft.	\$1,559	\$1,755	\$2,081	\$2,475
5 ft.	\$1,675	\$1,905	\$2,273	\$2,714
6 ft.	\$1,792	\$2,044	\$2,464	\$2,866



Cooling System Pumps

Part #	Description	Price
	Submersible Pumps	
2EQ0145	1/4 HP	\$284
2EQ0150	1/3 HP	\$355
	Close-Coupled Centrifugal Pumps	
2EQ0110	1/2 HP	\$1,034
2EQ0120	3/4 HP	\$1,046
2EQ0130	1-1/2 HP	\$1,326
2EQ0100	2 HP	\$1,490

Corrugated Cooling Media Non-Coated

*60" and 72" 4 inch pads require tall pad supports \$4.50 per pad

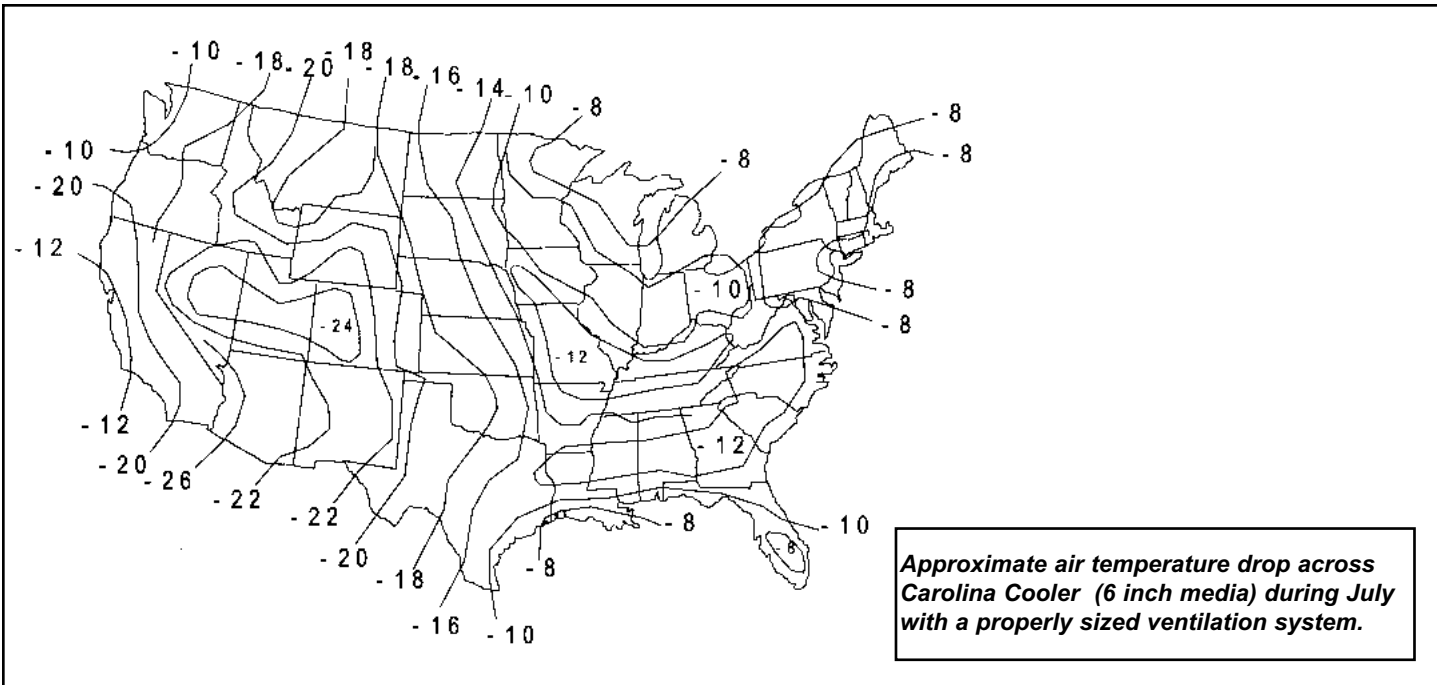
Part #	Description	Price
2MS04242	24" x 12" x 4"	\$15
2MS04362	36" x 12" x 4"	\$17
2MS04482	48" x 12" x 4"	\$23
*2MS04602	60" x 12" x 4"	\$28
*2MS04722	72" x 12" x 4"	\$34
2MS06242	24" x 12" x 6"	\$19
2MS06362	36" x 12" x 6"	\$24
2MS06482	48" x 12" x 6"	\$32
2MS06602	60" x 12" x 6"	\$40
2MS06722	72" x 12" x 6"	\$49

Reservoir 55

Our standard 55 gallon plastic reservoir comes with a fully sealable top to keep the water supply clean and minimize the growth of algae. All plumbing attachments can be made via the side-wall of the tank to free the top for access. This reservoir is recommended for evaporative cooling systems up to 25' long.

Part #
2MS1720



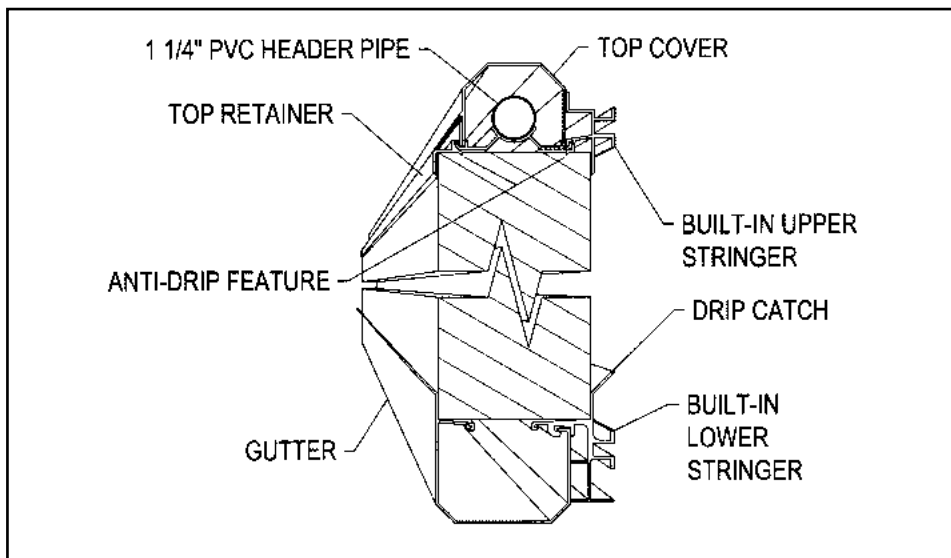


Cooling Pad Warranty

Cooling pads are warranted against all defects in workmanship for a period of one year from shipment invoice date. Improper installation, maintenance or poor water chemistry will invalidate this warranty.

Warranty is void in any of the following cases:

- *ph is greater than 9 or less than 6
- *Use of phosphates, wetting agents, aromatic hydrocarbons or other chemicals NOT recommended.
- *Allowing the bottom of the media to be continually immersed in water-even when the system is turned off
- *Any other physical or chemical abuse of the media or use in any manner for which it is not intended



Evaporative cooling is the most cost effective method for cooling a greenhouse. High volume, water-saturated air movement reduces air temperature for a healthier growing atmosphere.

Air volume movement is critical to proper operation of any evaporative cooler. Our experienced representatives can properly size fans and coolers for maximum cooling efficiency.

Too little air flow from undersized fans negates the value of the best evaporative cooler. Proper air movement is a must not only through the cooling media but also throughout the greenhouse.

Carolina Cooler 6 inch cooling pads use 33% less wall space than some 4 inch pads used for the same cooling capacity.

Keep Your Cool With Carolina Cooler!

Jāderloon Versa-Vent

automatic ventilation
system

Versa-Vent is one of the most efficient ways to bring large volumes of air into a greenhouse.

Thermostatic controls allow it to be coupled with roof vents, sidewall curtains, fans, coolers and more for automatic cooling control. Coupled to computerized systems, it becomes part of your total environmental control system.

It's built with extra strength to withstand heavy wind loads when open. All mechanical parts subject to friction wear during cycles are engineered for extra durability.

Versa-Vent comes complete with all hardware, ready for bolt together assembly.

Versa-Vent can be covered with twinwall or corrugated polycarbonate or double

polyethylene film. The base for the Kwic-Klip film fastening system is molded into the vent door extrusion for easy film attachment. There's no need to install separate pipe supports outside the greenhouse, as with other automatic vent systems.

The Vera-vent is powered by either a Lock tube motor or a Lock motor/gearbox assembly. Both types of units have built-in limit controls to stop the vent at the perfect position in either the open or close direction. The Lock tube motor is used on smaller Versa-vents but the size vent that the larger Lock gearboxes can operate is unlimited.

Assembly required



EWA Series Motor
Sized per requirements



Height	Length			
	12ft	15ft	20ft	25ft
3ft	\$1,463	\$1,494	\$1,731	\$1,819
4ft	\$1,479	\$1,511	\$1,751	\$1,842
5ft	\$1,498	\$1,547	\$1,773	\$1,877
6ft	\$1,509	\$1576	\$1,797	\$1,914

Other lengths are available. 100 ft. is the maximum length recommended per drive motor. Prices above include drive motor and Kwic-Klip to plastic. Polycover included in above prices. If you prefer polycarbonate, please call for quote. Versa-Vent weighs approximately 7lbs/lin.ft.

Lock Motors



Compact and lightweight design with maintenance free noiseless gear unit.

Reversible drive motor with watertight and corrosion resistant limit switch system for up to 40 revolutions in each direction.

Motor has standard 4.0m UV resistant electric cord.



Motor is equipped with a 50mm x 1.5mm thick aluminum sleeve for drive attachment and a 10mm x 10mm sq. journal shaft for anchoring with cotter pin fastening.

4PVLOC \$686.00



Versa-Vent Manual Override Control

The manual override vent control is an interface device that can be installed in conjunction with a thermostatic control to allow manual operation of the vent at the motor location. This facilitates setting the motor limits and other vent maintenance requirements.



Part #	Size/Motor	Price
4PV0400	120/220	\$121 ea.

**The Greenhouse Company of South
Carolina, LLC**

1-800-258-7171

or

www.thegreenhousecompany.net



Quietaire

Fans & Shutters

Economical, Practical, Effective

The six-bladed propeller with high efficiency design produces more CFM/WATT at lower RPM. These fans are constructed of heavy gauge, die formed galvanized steel and have deep spun orifice. Tubular bearing and motor supports are welded to the frame for a strong unitized construction.

Angle Flow shutter guard is mounted to shutter.

Type Greenhouse Fan Performance Data

Model	Blade	Motor HP	RPM	CFM .05SP	CFM .10SP
AGC2433	24	1/3	634	5350	5021
2450		1/2	734	6290	6006
2475		3/4	834	7220	6970
AGCS3033	30	1/3	440	6274	5569
3050		1/2	509	7412	6956
3075		3/4	578	8534	8131
AGCS3633	36	1/3	366	8677	7583
3650		1/2	424	10308	9553
3675		3/4	482	11911	11253
36100		1	540	13494	12907
AGCS4233	42	1/3	300	10426	8755
4250		1/2	347	12384	11290
4275		3/4	394	14307	13460
42100		1	442	16245	15490
42150		1 1/2	500	18571	17901
42200		2	565	21150	20557
AGCS4850	48	1/2	278	15698	14166
4875		3/4	321	18180	16989
48100		1	352	20628	19563
48150		1 1/2	406	23473	22527
48200		2	456	26222	25355
AGCS56100	56	1	243	24300	21400
56150		1 1/2	278	28500	26500
56200		2	306	32900	30300



Features and Accessories

- * Galvanized construction
- * Quiet operation at RPM
- * Dust, dirt and moisture proof bearings
- * High efficiency, heavy duty, totally enclosed motors have a low operating cost
- * All aluminum gravity or motor operated dampers
- * Wall box completely assembled ready for installation and wiring



Louver Lifter™

Opens Louvers against strong fan draft when other brands will not.

4EQ0115	Shutter motor kit with Louver Lifter	\$142.00
2EQ0198	Shutter motor only	\$ 90.00
4EQ0100	Louver Lifter	\$ 41.00



Aluminum Shade Cloth

Svensson screens have several types of aluminum shade cloth for heat retention and cooling resulting in an improved environment.

The OLS material is designed for outdoor use and consists of aluminum strips for maximum solar reflection. The overall result is a considerable reduction of daytime crop temperature.

With the OLS material we have seen a 12°F temperature reduction inside greenhouse over traditional black shade cloth. Available in 50%, 60%, and 70% shade percentages.

XLS Firebreak material is designed for interior shade systems. Consists of aluminum and polyester strips held together with a polyester yarn. This combination provides superior reflection and the greatest energy savings up to 40%. Recommended for mechanical ventilated greenhouses.

XLS F Firebreak is similar to standard XLS except for the polyester strips are not installed to allow for airflow thru



the material. This material is to be used on natural ventilated greenhouses when maximum ventilation and shade are required. Provides up to 25% energy savings.

XLS Firebreak and XLS F Firebreak are manufactured with flame retardant material on two sides. XLS Revolux and XLS F Revolux are flame retardant throughout and are recommended for schools, garden centers and other applications.

Call For Pricing

Shade House



The Jäderloon Shade House

Provides protection from direct sun where natural shade is not available.

Available in 8' to 14' height

Various widths and lengths available to fit your needs

Call 1-800-258-7171 for more information.

The Jäderloon Shade House is constructed using 2.375 diameter x 13 ga. galvanized steel columns.

Each row of columns is braced by 1.66 diameter x 14 ga. galvanized steel deadmen at both ends.

The corners of each shade house have 2 deadman braces each. 1/4"-1 x 7 galvanized cable is fastened to each end column with heavy duty utility company hardware.

The cable passes through each intermediate column and is tensioned and fastened at the opposite end.

Shade Cloth is supported by and fastened to the resulting cable grid.



Jädershade

Shade For Summer Cooling - Energy Savings for Winter



**Up To
40% Energy
Savings!**

The Jadershade System is a cable driven flat truss-to-truss sliding shade and heat retention system. The system is powered by a gear motor driven 2.375" x 14 ga. shaft supported at each column and in between the bay span. Each truss to truss section of shade is attached to cables driven back and forth by the drive shaft. These cables are spaced a maximum of 10' apart.

The leading edge of shade is attached to a 1/2" galv. steel tube for rigidity. Snap on connectors secure shade material to leading edge and to upper and lower monofilaments.

The shade material is supported by 2.08mm diameter monofilament on approximately 18" centers. There are also monofila-

ments above the shade material spaced on 3' centers.

Monofilaments are supported at every column/truss spacing by .080" diameter galv. steel cross wires. Upper and lower monofilaments are held 2" apart by snap on spacers. All cables and monofilaments are supported at each end of the structure by a continuous run of 2" sq. x 15 ga. tubing suspended off the ends of the structure.

Jadershade can be utilized with XLS, XLSF, Blackout and other screens to create the optimum environment desired.

Call For Quote



Ground Cover

Stop weeds dead! Pot alignment strips woven into the fabric. Woven fabric keeps soil from souring. Lasts longer, works better than plastic. Use as landscape fabric, floor mats, silt fencing, erosion control fabric.

Part#	Size	Price
Premium		
2GC0003	3' x 300'	\$75
2GC0006	6' x 300'	\$158
2GC0010	10' x 300'	\$264
2GC0012	12' x 300'	\$316
2GC0015	15' x 300'	\$395

Ground Cover Staples: 6" legs
2MS6040 Quantity of 1,000 \$150



Shade Cloth

Tough, lightweight, UV resistant, heat retarding... everything you want in a greenhouse shade cloth!

Made to your specific dimensions, shade covers are an easy way to reach the right light levels for your plants. Rugged and durable covers are easy to put on and take off. Can be used seasonally or year round.

Woven Shade Fabrics

* Made of high U.V. resistant, black polypropylene.

* Longevity, strength, and resistance to abrasion virtually.

* Available in shade factors of 30%, 47%,

55%, 63%, 73%, %, and 95%.

* Taped to your requirements.

* Grommets are optional and available to meet your spacing needs.

Knit Shade Fabrics

* Available in shade factors from 30% to 73%.

* Available in White, Green, Black, Terra Cotta, Sandalwood, and Brown.

Insect Screens

Keeps the bugs out! Mesh sizes to control everything from thrips to bees. Be sure to check air flow requirements before using as screening reduces air movement.

Heating, Ventilation and Cooling

Jaderloon Uni-Flo HAF fans

Heating, Ventilation and Cooling



HAF fans make greenhouse heating and cooling more effective by evening out temperatures throughout the structure.

Gentle but high volume air circulation eliminates hot and cold spots. The objective is a smooth flowing mass of air circulating throughout the greenhouse.

For maximum performance, HAF fans should have large diameter blades with a low pitch to move a large volume of air with minimal turbulence.

High speed fans with sharply pitched blades create excessive blade tip turbulence and sacrifice volume air movement for air speed near the fan.

HAF fans eliminate air stratification, equalize temperatures, reduce condensation and improve carbon dioxide utilization at about half the cost of Jet fans and polytubes.

Uni-Flo Features:

Totally enclosed, ultra high efficiency motor with built-in thermal protection and self-aligning sleeve bearings.

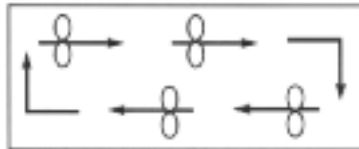
Stamped aluminum 20" blade with vinyl-coated, OSHA blade guard.

Uni-Flo 2000

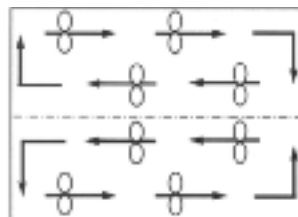
1/15 HP, 100W motor (115V or 220V) 2000 CFM, 1400 RPM, totally enclosed, permanent split capacitor. Uses the energy of one 100 Watt light bulb. Moves 20 CFM per Watt.

12° Pitch blades for smooth air flow.

Single Greenhouse



Multiple Bay Greenhouse



The Original Uni-Flo HAF Fan Motor

Is Back!

Oil Required

High Efficiency, 1/15 HP, 100 Watt motor (115V), 1400 RPM no load, totally enclosed split capacitor



Part #	Description	Price
2EQ0030	110 Volt	1-24 \$69 25 or more \$65

Part #	Description	Quantity	Price Each
4EQ0020	2000 CFM 120V	1-24 25 or more	\$145 \$126
4EQ0028	Column Mount	Each	\$16



ADP Heaters

SEP Series, High Efficiency Available 100,000 BTU - 400,000 BTU



Features/Benefits:

Efficiency - The SEP series gas-fired propeller unit heaters deliver 80% thermal efficiency and 78% seasonal efficiency using natural gas or propane in all models.

Power Exhaust - Sealed flue collector and a power exhaust system enables conventional vertical venting or horizontal venting up to 35ft. Power exhaust, when used with horizontal venting, lowers operating cost because it reduces stack losses.

Tubular Heat Exchangers - Constructed of aluminized steel for superior resistance to corrosion and oxidation. The curving design provides for complete exposure of the heating surface to the supply air stream. Rounded surfaces minimize air resistance and permit air to surround all heat transfer surfaces for excellent heat transfer.

Direct Spark Ignition - Combined with the 24-volt main gas valve with 100% shutoff for safety, the direct spark ignition control provides positive, reliable and safe main burner ignition. This eliminates the need for a pilot light, improving system efficiency and reliability.

Air Distribution - Equipped with efficient, quiet, direct-drive propeller fans, which are dynamically balanced for quiet, smooth operation.

Reliability - The design of this unit heater has proven itself to be superior during the fourteen years and hundreds of thousands of hours of tough winter climate and laboratory life cycle testing under extreme conditions. The SEP has been designed to provide a long, trouble-free service life.

Inshot Burners - Lightweight aluminized steel burners are maintenance-free and never require adjustment. The entire burner assembly is removable as one piece for ease of service

Standard Features:

- * Power Vented
- * Spark Ignition
- * 115-volt motor with internal overload protection
- * Full safety fan guard
- * Horizontal directional louvers
- * 2-point thread hanger connections
- * Tubular Heat Exchanger
- * Shot Burn Design

FSA

Cayenne Unit Heater

Available 30,000 BTU - 75,000 BTU

Economical heating where a low profile is preferred.

Inshot burner assembly is easy to clean and won't rust like ribbon-type burners. Direct-spark ignition lights the burners directly, eliminating pilot outages.

Tubular heat exchanger eliminates metal stresses and cracking that can occur in clamshell heat exchangers.

Self diagnostic board with indicator lights



Vent Pipe Kit

Double walled. galvanized.

Model	Vent Kit Size	Vent Pipe Kit Price
FSA-30 - FSA-45	3	\$124
FSA-60 - SEP-145A	4	\$139
SEP-175A - SEP-300A	5	\$165
SEP-345A - SEP-400A	6	\$205

Heater Hanger Assembly

Distributes heater weight over two separate bows rather than one. Allows placing at best distance from endwall.

Part #	Bow Space	Price
5PN0050L4	3 ft. bow sp.	\$105
5PN0051L4	4 ft. bow sp.	\$116
5PN0052L4	8 ft. column sp.	\$131
5PN0048L4	5 ft. bow sp.	\$138
	6 ft. bow sp.	
	12 ft. column	



www.thegreenhousecompany.net or 1-800-258-7171

Thermostats, Sensaphone & Accessories

Controls



TLC
Thermostatic
Logic
Controller

A simpler way to control your greenhouse. The TLC has 5 cooling stages allowing for the opening of vents or curtains at an intermediate stage between low and high speeds on two-speed fans to reduce vent cycles and extend vent motor life.

Operational Stages:

- Stage 1:** Cooling. Low speed on 2-speed fan, shutter open.
- Stage 2:** Cooling. Vent/Curtains Open
- Stage 3:** Cooling. Shutter close, two-speed fan on high.
- Stage 4:** 1-speed fan on, HAF fans off.
- Stage 5:** Evaporative cooling on.
- Heat Stage:** Heater on.

Part #	Description	Price
4EQ0050	One Heater	\$794
4EQ0055	Two Heaters	\$871



Single stage thermostats (SPDT) are used for line voltage or low voltage control of fans and heaters.

Two-stage thermostats (2-SPDT) are used for the control of two-speed fans or two stages of heating or cooling. Three degree temperature differential (adjustable) between the two stages.

Temperature range is 30^o to 110^o F. Load ratings are: 16 amps at 120 volts, 9.2 amps at 208 volts and 8 amps at 240 volts.

Part #	Description	Price
2EQ0000	Single Stage Metal Thermostat	\$108
2EQ0010	Two-Stage Metal Thermostat	\$180



Sensaphone Model 400

Sensaphones have built-in monitoring for power failures, temperature, and sound monitoring of audible alarms.

When an alarm is detected, the 400 can notify up to four people by making customer voice phone calls. It will continue to make phone calls until someone responds to the call.

*Also available Model 800. Same as the 400 except 8 contact or temperature inputs and notification of up to 8 custom voice phone calls

- Sensaphone Model 400..
2EQ0605.....\$485
- Sensaphone Model 800...
2EQ0607\$687

Remote Temp. Sensor

Allows you to monitor temperatures at a location away from your Sensaphone unit. Program your desired not-to-exceed high and low limits and this monitor will trigger your Sensaphone's alarm if those limits are exceeded. FGD-0100
2EQ0610 \$25

2EQ0620 50 ft Hook-Up wire \$9



Sensaphone 2800
Wireless Sensors

Introducing the next generation in Sensaphone monitoring---**Wireless Sensors**. Four hard-wired universal inputs are included along with a total of four wireless sensors.

Each wireless sensor can be located up to 300 feet away from the 2800, and even further when used with the available repeater modules. The 2800 will automatically detect and configure new wireless sensors making installation a breeze. Sensors are available for a variety of input types, including temperature and custom scalable 4-20mA analog transducer readings.

The wireless sensors can operate on batteries for approximately three years.

The New 2800 still performs alarm notification and status using standard telephone lines and customer voice messages. It comes standard in a sealed weatherproof, lockable enclosure with battery backup, power failure monitoring, and high sound level monitoring.

Call For Pricing
1-800-258-7171



Kwic-Trip Trolleys



The Kwic-Trip Trolley System is a time-saver, money-maker that truly speeds up the movement and handling of plants.

The monorail track provides smooth movement through and between greenhouses no matter how rough the ground below may be or how narrow your greenhouse aisles.

Hook a group of trolleys together for train-like carrying capacity and efficiency.



The system consists of a tubing monorail and aluminum hanging carts with roller heads. Two-way and three-way switches and a variety of available curves let you design the system to completely match your plant handling requirements. Three shelf styles are available to handle everything from pots to flats to cut flowers. There are a variety of heights, shelf widths and shelf counts available. Standard cart length is four feet.

Part #	Description	Price Each
Shelf Units Call For Quote	Shelf Units Call for Quote	Shelf Units Call for Quote
2MS2410	Stiff Arm Rail Support	\$25
2MS0330	C-Bracket only	\$9
Trolley Heads		
2MS0310	with Nylon roller	\$16
2MS0320	with Nylon roller & pendant	\$23
2MS0315	with steel roller	\$23
2MS0325	with steel roller & pendant	\$29
2MS0305	for water hose, 1-3/8" pipe	\$37
1TPR1315.14	21 ft. , 1.315" x 14 Ga. rail	\$34
3KT0070	68 degree rail bend	\$17
3KT0060	90 degree rail bend	\$23
2MS0850	Rail End Stop	\$5
2MS0855	Rail Splicer	\$5



Injection range:
0.025% to 10%

Water flow range:
.04gpm to 45 gpm*

Operating pressure:
3 psi to 100 psi*

*Depending on model

SuperDos operates without electricity to precisely inject liquid concentrates into a water supply line using fluid flow as the power source.

SuperDos is designed with a patented internal mixing chamber that promotes homogeneous mixing, while segregating harsh chemicals from critical internal components.

SuperDos comes in various models that easily satisfy the demands of your most challenging applications.

SuperDos comes in various models that easily satisfy the demands of your most challenging applications.

- * Proprietary composite body for chemical compatibility and for mixing aggressive chemicals
- * Built-in on/off switch (30 and 45 models only), which allows user to stop the injection - but not the system.
- * Separate internal mixing chamber to prevent chemical contact with motor piston - for longer life and uniform mixing.
- * Interchangeable lower ends with the ability to adjust ratios while in operation.
- * Highly-aggressive, chemical-resistant models available
- * Diesel fuel-friendly models available

Principal applications

Chlorination, Cleaning, Cutting Fluids, Descaling, Degreasing, Decontamination, Disinfecting, Fertigation, Hydroponics, Inhibitors, Lubrication, Medication, Misting Systems, Odor Control Pesticides, PH/TH correction, Rinsing, Sanitizing, Soaps & Foams, Surfactants, Week Control.

Model	Flow Rate		Feed Ratio		Operating Pressure	Inlet/Outlet Pipe Connection	Price
	Minimum	Maximum	Minimum	Maximum			
SuperDos 20 - 2.5%	0.04 gpm	20 gpm	0.20%	2.50%	5.0 - 100* psi 0.34 - 6.9 bar	1"npt 1"bsp	\$487
	0.15 lpm	75.70 lpm	1:500	1:40			
SuperDos 30 - 2.5%	0.15 gpm	30 gpm	0.20%	2.50%	5.0 - 100* psi 0.34 - 6.9 bar	1"npt 1"bsp	\$660
	0.57 lpm	113.56 lpm	1:500	1:40			
SuperDos 45 - 2.5%	0.50 gpm	45 gpm	0.20%	2.50%	5.0 - 100* psi 0.34 - 6.9 bar	1 1/4" npt 1 1/4" bsp	\$853
	1.89 lpm	170.34 lpm	1:500	1:40			

* Maximum PSI intesting process to quality for 150 psi pressure rating.

Irrigation Systems

Growing Accessories



The Greenhouse Company of South Carolina, LLC offers irrigation for all your growing needs. Irrigation kits are designed for any size production or retail setting. Hanging basket, mist and drip irrigation kits available. Easily installed and designed to fit your needs.

Contact The Greenhouse Company of South Carolina, LLC today for a quote. **1-800-258-7171**





The Greenhouse Company of South Carolina, LLC has greenhouses and greenhouse supplies to help you grow.



Trusses and cross braces make our greenhouses strong and secure.



Metal Buildings

Our pre-engineered galvanized steel construction allow our customers to have a strong and durable structure at a cost that meets their "budget". Widths are available from 12' wide to 42' wide.

Commander Series

The commander series metal buildings are designed with ease of construction in mind. These structures set the standard for code approved buildings and can be customized to meet your needs. 2" x 4" 13ga and 2" square trusses are spaced 6' apart.

Features and Benefits

- * Widths from 12' - 30' wide
- * Length in increments of 6'
- * Roof pitch available in 4:12 or 6:12
- * Galvanized framework includes hardware
- * 8' sidewall height
- * 30lb snow load; 90 mph wind exposure (higher loads available)
- * Post in ground or bus plate design.
- * Benefits of complete steel structure are virtually maintenance free, can be engineered for high wind and snow loads, non combustible and generally cost less to insure.

Storage Solutions



Call your sales representative for a quote today.

Outdoor Storage Solutions

Outdoor Storage Solutions are temporary structures and are not rated for wind or roof loads.



Container Shed includes*

- ⇒ hardware to attach to containers without drilling.
- ⇒ 6 mil white UV treated polyethylene 4 year warranty
- ⇒ galvanized steel structure. bolt together construction.

Uses:

- ⇒ Agricultural storage
- ⇒ Break Area on construction sites
- ⇒ Covered storage area
- ⇒ Covered parking
- ⇒ Many other uses

Size	Bow	Price	Part #
18' W X 38'L	1.315 X 18ga	\$1,425*	PB1838
22'W X 38'L	1.66 x 16 ga	\$1,505*	PB2238
24'W x 38'L	1.66 x 16 ga	\$1,642*	PB2438
30'W x 38'L	1.90 x 13 ga	\$2,106*	PB3038
35'W x 38'L	2" sq x 15ga	\$2,292*	PB3538

*Container cost is additional



Shelter Shed includes

- *Framework and Hardware
- *One layer of Black/White Poly
- *Kwic Wire Base and Spring for Poly Attachment

Size

- 16 x 40 (RV Shed) 12'H pictured to left \$2,475
- 16 x 30 (Boat Shed) 9' 6"H pictured above \$1,856
- Other sizes & heights available

Uses:

Hay/Pinestraw storage, Tractor, RV and Boat Storage, and many other uses

Storage Solutions

Carolina Cooler Maintenance

Pads

Pads are made from treated cellulose material.

The pads must be allowed to dry out completely every day.

Should you experience an algae buildup on your pads, add an algicide such as Chlorox to your reservoir. Maintain a Ph of 5.5 to 8.5 in your reservoir.

Bugs, airborne trash, etc., should be cleaned from the surface of the pads at the beginning of each cooling season. A regular household broom has approximately the correct stiffness.

Plumbing

The "Y" strainer should be cleaned thoroughly at the beginning of the cooling season. In areas with an above average amount of wind blown particles the strainer may need to be cleaned more frequently.

Even though the "Y" strainer will remove most waterborne particles, occasionally a hole will clog in the header pipe causing a dry streak down the pad. Remove the cover and use a small wire to clean the hole.

The header pipe should be flushed out at the beginning of each cooling season by removing the pipe plug at the end of the header and operating the system.

Pump & Reservoir

The reservoir and pump should be cleaned at the beginning of each cooling season and filled with clear water.

The reservoir will need to be cleaned more often in areas with lots of wind blown particles (dirt, etc). If a magnetic field generator is used on the system to remove or prevent calcium deposits on the pads, the system will need cleaning more often to remove calcium sediment.

Gas Heater Service Check List

Be Sure To Do The Following Preventive Maintenance Before Starting Your Heaters Each Fall

1. Turn gas and electrical service off before servicing unit.
2. Inspect the flue pipe and vent cap for holes or blockage. Make sure all joints are tight.
3. Check draft diverter opening in the top of the heater for blockage.
4. Inspect exterior of heat exchanger for holes and cracks.
5. Unscrew bottom pan, hinge down and remove. Remove pilot assembly. Unscrew burner rack retaining plate and alignment guide. Hinge down burners.
 - A. Inspect burners for blockage: insect nests, rust build-up, webs, cocoons.
 - B. Look into interior of heat exchanger tubes and check for holes, cracks and blockages (webs, nests, flaking rust, cocoons).
 - C. Check burner and pilot orifices for blockages from insect nests.
6. Inspect all wiring for cracked insulation and loose connections.
7. Replace all cracked or worn wiring.
8. Clean out all blockages with compressed air or soft bristled brush. Be careful not to damage burner or orifice openings. Do not use sharp, hard or rough tools for this cleaning.
9. Reinstall burner rack.
10. Reattach retaining plate and alignment guide.
11. Reattach pilot and bottom pan.
12. Blow or wipe dust and dirt off of fan blades and motor.
13. Turn on gas and electrical service.
14. Check for gas leaks at joints with liquid soap. If bubbles are found, tighten gas connections and test again with liquid soap. Continue until no bubbles appear.
15. Make sure pilot light is working.
16. Adjust thermostat to start heater.
17. Allow heater to run through a complete cycle to check normal operation of burners, fans, venting and shut-down.
18. If a problem occurs, refer to the trouble-shooting guide in the installation form shipped with your heater.
19. Repairs should be made only by qualified service personnel.



Order Form

The Greenhouse Company of South Carolina, LLC PO Box
685 Irmo, SC 29063

Call 800-258-7171 Fax: 803-798-6584

Mailing/Billing Address, Please Print.	Shipping Address (if different)	Terms of Payment
Name.....	Name.....	<input type="checkbox"/> Check Enclosed
Company.....	Company.....	<input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD
Address.....	Street #.....	Card Holder <input type="checkbox"/> American Express
.....	Name.....
.....	City.....	Card Number.....
Phone.....	State.....County.....ZIP.....	Card Exp. Date.....

Catalog Prices Subject To Change Without Notice

Call 800-258-7171 For Current Price Information

Quantity	Product Number	Description	Price	
			Each	Total

<p>I understand all shipments are FOB shipping point. If freight charges are prepaid to expedite my order, I will pay the charges billed. All catalog prices are subject to change without notice. Items will be billed at current prices and I agree to pay the difference due.</p> <p>Sign Here _____ Date _____ (All orders <i>Must Be Signed</i>)</p> <p>Thinking About Leasing? Call Us For Competitive Rates!</p>	Total This Side
	Total From Other Side
	SubTotal
	Less than \$50 Minimum Order. Add \$5
	All Orders Shipped Freight Collect
	SC, NC, GA, TX and FL Residents add Sales Tax
Total	

The Greenhouse Company of SC, LLC Checklist

Greenhouse Desired:

Gutter Connected Classic Bow

Round Tube Square Tube

of Bays.....
 Bay Width:
 30', 29', 24', 22', 18'

Total Width.....
 Total Length.....
 Column Spacing: 12', 9'
 # of Purlins.....
 Gutter Height: 14', 12', 10' Other

Gutter Connected A Frame Roof

of Bays.....
 Bay Width: 18' to 42'
 Total Width.....
 Total Length.....
 Column Spacing: 12'
 Gutter Height: 14', 12', 10', Other....

Free Standing Unit

Greenhouse Coldframe
 Institutional (Schools, Prisons, etc.)

Width: 30', 28', 26', 24', 22', 16', 14', 12'
 Length.....
 (Bow spacing in 4', 5' and 6' choices for 30' through 22' bows. Choose 5' or 6' spacing for 16' bows, 4' or 5' for 14' bow. Use 3' for Institutional units.)

Bow Spacing: 3' 4' 5' 6'

Greenhouse Coverings and Operating Systems

Covering

Polyethylene Double Single
 Clear White
 UV UV + IR
 Condensate

Use on: roof endwalls sides

Polycarbonate Twinwall
 Corrugated

Use on: roof full endwalls
 sides gables only
 other

Ventilation

Natural Ventilation:

roll-A-roof ridge ventilation
 Palmetto vent sidewall curtains

Forced Air Ventilation:

Power Vent Roll-Up Vent
 Exhaust fans Motorized shutters

Cooling:

Carolina Cooler (evaporative cooler)

Heating

Type of Heating System:

Forced Air Hot Water
 Bench top
 Below bench
 Floor
 Other

Fuel Type:

LP(Propane) Natural Gas

Environmental Controls

Environmental controls range from thermostats to control heating and ventilating to computer systems that control all elements of your greenhouse environment. Please check your preference:

Standard Thermostats
 Low cost thermostatic Controllers with multiple functions
 Low cost electronic Controllers
 Computerized Controllers
 Complete Computerized environmental control

Benches -See page 27-

Do you need benches? yes no

If yes: Rolling benches (to increase productive growing area)

Stationary Benches

Freestanding Benches

Installation

Do I want The Greenhouse Company to install greenhouse? Yes No

If Yes:

Will The Greenhouse Company be required to unload truck at additional cost to customer?

Will The Greenhouse Company be required to remove construction debris from site?

Will The Greenhouse Company be required to furnish lumber at additional cost to customer?

Is The Greenhouse Company furnishing concrete/gravel at additional cost to customer?

Is The Greenhouse Company installing irrigation system?

Is The Greenhouse Company installing shade system?

Permits

Are building permits required?

Customer is required to obtain all permits prior to construction start and notify Installation Manager before shipment can be pulled and work can be scheduled.

Site Details

Is site graded to job specifications?

Is site clear and free of obstructions?

Are there any underground utilities on the site?

Is there a 120/240 volt single phase electrical supply on site?



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From Spartanburg- take I-26 toward Columbia. Exit Piney Grove Rd (exit 104) turn right onto Piney Grove Rd. Go all the way to the end of Piney Grove Rd. At light turn right onto St Andrews Rd get in the far left lane. At light, turn left onto Old Bush River Rd. Go approx one mile turn right on Green Pines Rd. Go two tenths of a mile. Jaderloon is on the left.

From Columbia & Augusta - take I-26 toward Spartanburg. Exit Piney Grove Rd (exit 104) turn left onto Piney Grove Rd. Go all the way to the end of Piney Grove Rd. At light turn right onto St Andrews Rd get in the far left lane. At light turn left onto Old Bush River Rd. Go approx one mile turn right on Green Pines Rd. Go two tenths of a mile. Jaderloon is on the left.

The Greenhouse Company's Terms and Conditions

Payment: Payment should accompany all orders. You may pay by check, cash, MASTERCARD or VISA. UPS COD orders have an additional \$6. COD charge. Freight line COD orders will incur additional charges as set by the freight company.

Pricing: Every effort is made to hold prices between catalog editions. Price changes can occur due to cost increases beyond our control. Prices should be confirmed when your order is placed. All prices FOB shipping point.

Delivery: We will ship your order the most efficient and economical way possible.

If any delays in delivery occur, The Greenhouse Company of South Carolina, LLC. cannot be responsible for any delay, loss or damage caused by our suppliers or conditions beyond our control. The Greenhouse Company of South Carolina, LLC. relinquishes all responsibility for merchandise once the carrier has accepted the shipment. *Any claim settlements would be between you and the delivering carrier.*

You are responsible for receiving and unloading the shipments.

Please inspect your merchandise carefully upon receipt. Mark any noticeable damage or shortages on the freight bill upon delivery. Freight claims cannot be filed unless the bill of lading is marked with damages or shortages. You are responsible for filing freight claims and you will be billed for replacement materials. It is the freight company's obligation to reimburse you for damaged or missing items on your claim. Concealed or hidden damages must be reported to the shipping company within 5 days of delivery.

Returns: No merchandise may be returned without authorization from our Customer Service Department. Refunds will not include original freight charge and customer is responsible for return freight charge. Returned items are subject to the following restocking charges:

Up to 30 days from invoice date - 15% restocking fee
31 to 90 days-25% restocking fee
91days to 6 months-50% restocking fee

over 6 months-no refund
Items must be returned in new, unused condition. Refunds will not be given for custom, non-stocked or field altered materials.

Our Customer Service Department must approve warranty returns before replacement items are shipped.

Shortages: Please report all merchandise discrepancies (shortages, overages, incorrect materials, etc.) to The Greenhouse Company immediately upon receipt of shipment. You will be billed for replacement material if not reported to Jaderloon within 30 days after receiving shipment.

If for any reason you are not completely satisfied upon receipt of your order, please call our Customer Service Department at 1-800-258-7171 "Complete or some assembly required" on most of The Greenhouse Company of South Carolina, LLC products

Minimum Orders: Due to order processing costs, please be sure your order meets our \$50. minimum.

The Greenhouse Co., LLC Limited Warranty

The Greenhouse Company of South Carolina, LLC. warrants to the original purchaser the greenhouse structure is free from defects in material and workmanship at the time of shipment from our Columbia, SC factory. This warranty is limited to twelve months from the date of original installation, whether in use or not at that time, or eighteen months from date of shipment from The Greenhouse Company of South Carolina, LLC whichever occurs first.

INCLUSIONS

Included in this warranty along with the basic structure are any and all associated components manufactured by The Greenhouse Company of South Carolina, LLC such as benches, Versa Vent™, Palmetto Vent™, Carolina Cooler™. Greenhouse components purchased from The Greenhouse Company of South Carolina, LLC but manufactured by others, such as heaters, exhaust fans, polyethylene film, and shadecloth, are warranted in accordance with the respective supplier of the component.

The Greenhouse Company of South Carolina, LLC obligation under this warranty is limited to replacement of the defective part of The Greenhouse Company of South Carolina, LLC product following inspection and confirmation by The Greenhouse Company of South Carolina, LLC. This warranty does not apply if the product has been subjected to misuse, negligence, accident, corrosive environment, physical damage, or installation/operation contrary to The Greenhouse Company of South Carolina, LLC printed instructions. The Greenhouse Company of South Carolina, LLC shall not be liable for any default or delay in performance of its warranty obligations hereunder caused by any circumstances beyond its control, including but not limited to judicial or government restrictions or restraints, strikes, fires, floods, winds, or reduced supplies or raw materials, energy or parts. The Greenhouse Company of South Carolina, LLC will not be liable for any loss, damage, cost of repair, labor costs, freight or incidental or consequential damages of any kind in connection with the sale, use, or repair of any of The Greenhouse Company of South Carolina, LLC products. This warranty is in lieu of all other warranties, express and implied.

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