2021-2022

Jāderloon®

EXCLUSIVELY BY

The Greenhouse Company

For over 30 years, George Hyams has trusted Jāderloon® greenhouses to protect his garden center in Charleston, South Carolina.

Protect Your Plants and Profit

www.thegreenhousecompany.net

800-258-7171

Jāderloon® greenhouses have been known to withstand harsh weather since way before the devastating damage of Hurricane Hugo in 1989 along the Southeastern coast. Fortunately for Hyams' Garden Center on James Island in Charleston, South Carolina, Jāderloon® has been the trusted provider of greenhouses for plant and garden accent displays for decades.

In our 1990 catalog, George Hyams stated that he could not believe his Jāderloon® gutter connect greenhouse was still standing after Hugo's 160 mph winds, much less that he had customers 2 days after the devastation to the area. Performance like this has kept Hyams' Garden Center returning to Jāderloon® greenhouses by The Greenhouse Company for over 30 years.

Since 1981 Hyams' Garden Center has been providing plants, garden supplies, pots and planters, statues and fountains to the greater Charleston area. In addition, the professional team of horticulturists and garden decor experts provide services including delivery and planting, installation, custom designs and consultations to create the most beautiful gardens and landscapes in the area.

Most recently in 2020, Hyams' Garden Center replaced a 5-bay greenhouse with a custom designed Appalachian style gutter-connect Jāderloon® greenhouse providing retail display space that is 98' wide and 120' long. George Hyams, owner of Hyams' Garden Center, stated "The new greenhouse provides protection for our products in a well structured space that is simply beautiful. Jāderloon® houses and components have performed beyond our expectations for decades. We couldn't be happier with the new greenhouses.

Learn more about Hyams' Garden Center by visiting www.HyamsGardenCenter.com.

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Jāderloon® EXCLUSIVELY BY The Greenhouse Company

All Greenhouses are NOT Made the Same!

The Greenhouse Company's higher quality results in lower cost of ownership.

First to engineer & test designs based on ASTM standard testing methods

Invented and Pioneered the use of cross connectors to nearly double strength and rigidity of frames

Invented Poly-Patch – the original polyethylene repair tape and still the best!

Our frames are 30% stronger, 10% heavier, 100% better

Designed to withstand the worst weather & give plants the best protection

Our frames have been built and tested in hurricane alley for 30 years with a 99.9% survival rate

Established horizontal air-flow as the dominant air circulation method in the industry

Kwic-Klip®'s unbeatable holding power has held poly on during hurricane winds!

Lowest total cost of ownership with reduced maintenance, longer life, best warranty in the industry

TESTIMONIAL

"I have bought Jaderloon® products for over 30 years. In 2017, we bought a five bay Appalachian greenhouse to put at our location In Virginia. The greenhouse has allowed us to grow plants economically in a structure that can withstand Virginia's snow and wind. The Greenhouse Company's install crew was efficient and professional."

Briscoe White, The Grower's Exchange

Hundreds of satisfied customers. References available upon request.

The Appalachian

The Appalachian offers a premium retail environment with maximum flexibility from totally enclosed to the feel of an open-air market. The attractive A-frame roofline and variety of cover and equipment options, make it the preferred greenhouse structure for Retail and Institutional applications. The high sidewalls and great roof strength allow as many hanging baskets as you desire, while maintaining visibility throughout. The ability to join multiple bays together of any width and length makes it possible to fit most any situation.

Appalachian Specifications:

Available Widths:	18’ - 42’ in increments of 2’
Available Lengths:	Any multiple of 8’ or 12’
Available Heights:	8’ - 14’
Frame Materials:	All members are galvanized steel square tubing
Design Loads:	May be certified for any location
Cover Options:	Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal
Equipment Options:	• Mechanical ventilation with exhaust fans, shutters, Versa Vent and Carolina Cooler • Natural ventilation with rollup curtains and ridge vents • Jadershade™ or Eclipse interior shade system • Rolling, Stationary and Freestanding benches • And more

The Appalachian structure can be installed with it’s columns set into the ground with concrete footings or plated and bolted to a pre-engineered, pre-poured concrete pad.

The Blue Ridge

The Blue Ridge greenhouse by Jāderloon® is a great choice that offers the same premium look as the Appalachian greenhouse and includes gutters and the ability to add multiple bays in a smaller size and lower price. The Blue Ridge Greenhouse is ideal for educational institutions, research facilities and garden centers as it combines Jāderloon's quality with the Appalachian greenhouse's strength, features, and functions. Enjoy the beauty and flexibility of the Blue Ridge style greenhouse with a maximum bay width of 24'.

Blue Ridge Specifications:

Available Widths:	16', 18', 20', 22' and 24'
Available Lengths:	Any multiple of 8' or 12'
Available Heights:	8' - 12'
Frame Materials:	All members are galvanized steel square tubing
Design Loads:	May be certified for any location
Cover Options:	Multi-walled polycarbonate or corrugated metal
Equipment Options:	• Mechanical ventilation with exhaust fans, shutters, Versa Vent and Carolina Cooler • Natural ventilation with rollup curtains and ridge vents • Jadershade™ or Eclipse interior shade system • Rolling, Stationary and Freestanding benches • And more

The Blue Ridge structure can be installed with it's columns set into the ground with concrete footings or plated and bolted to a pre-engineered, pre-poured concrete pad.

The Classic

Economical • Versitile • Expandable

Growers • Retail Garden Centers

The Classic's arched roofline, economical design, multiple bay widths, integrated gutters and strong exterior bracing make it the best investment to grow your business. Like the Appalachian and Piedmont, the ability to join multiple bays together of any width and length makes it possible to fit most any situation. The flexibility of the Classic design is ideal for both growers and retailers.

Classic Specifications:

Available Widths:	18’, 22’, 24’ and 30’
Available Lengths:	Any multiple of 12’ (8’ for northern installations)
Available Heights:	8’ - 14’ (Inquire for special heights)
Frame Materials:	All members are galvanized steel
Design Loads:	May be certified for any location
Cover Options:	Walls: Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
	Roof: Polyethylene Film

Equipment Options:

- Offering roof vents and curtains to maximize ventilation and reduce condensation.
- The ultimate ventilation combination of exhaust fans, shutters, Versa Vent and Carolina Cooler will provide a 10 to 20 degree temperature drop, while increasing humidity.
- Jadershade™ interior shade system
- Rolling, Stationary and Freestanding benches
- Irrigation and more.

The Instructor

Education • Therapy • Home

The Instructor's low maintenance, range of available widths and superior strength, make it the forerunner for all educational and developmental institutions. Durable, easy to operate and meant to last decades. A greenhouse to grow young minds!

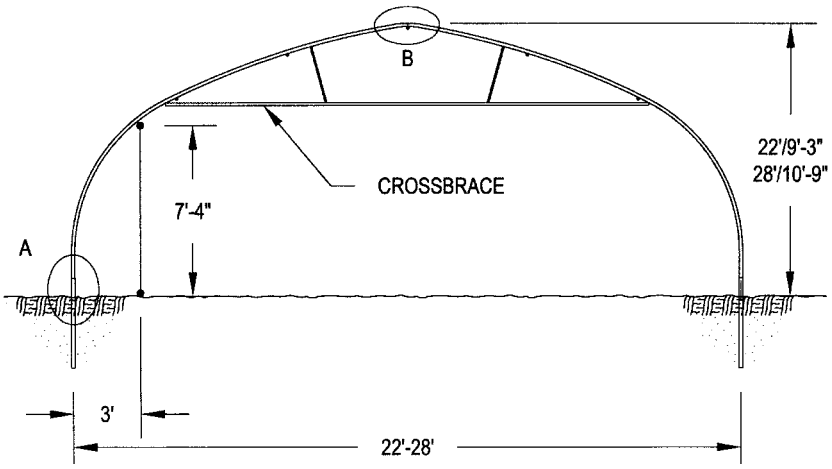
Instructor Specifications:

Available Widths:	12’ to 30’	
Available Lengths:	Any multiple of 6’	
Available Heights:	6’ or 8’ (Inquire for special heights)	
Frame Materials:	All members are galvanized steel	
Design Loads:	May be certified for any location	
Cover Options:	Walls:	Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
	Roof:	Multi-walled polycarbonate or corrugated metal.

The Freestanding

Growers • Education • Home

The Freestanding greenhouses are engineered for strength, dependability and economy. They can be used as a cold frame, heated growing greenhouse, propagation greenhouse, hardening off greenhouse, or a high tunnel. Suitable for the novice to seasoned growers. Low maintenance and easy to operate. Flexible in size and location.

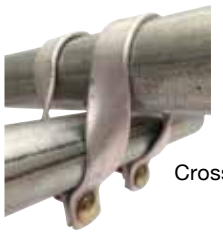


Freestanding Specifications:

Available Widths:	12’, 14’, 16’, 22’, 24’, 28’ and 30’	
Available Lengths:	Any multiple of 4’, 5’ or 6’ (4’ for northern installations)	
Frame Materials:	All members are galvanized steel	
Design Loads:	May be certified for any location	
Cover Options:	Endwall Walls:	Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
	Roof:	Polyethylene Film

Equipment Options:

- Exhaust fans, shutters, Versa Vent and Carolina Cooler
- Palmetto Roof Vent and Sidewinder Roll Up Curtains
- Rolling, Stationary and Freestanding Benches
- Irrigation and more!



Cross Connector™

Coldframes

Perfect for extending the growing season. Low maintennce, flexible in size and budget friendly.

Coldframe Specifications:

Available Widths:	12’, 14’, 16’, 20’, 22’, 28’ and 30’	
Available Lengths:	Any multiple of 4’, 5’ or 6’ (4’ for northern installations)	
Frame Materials:	All members are galvanized steel	
Cover Options:	Endwall Walls:	Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
	Roof:	Polyethylene Film

Shelter Shed

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

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

A

B

Size
16 x 40 (RV Shed) 12’H photo A
16 x 30 (Boat Shed) 9’-6”H photo B
Other sizes & heights available

Price
Call for Pricing

Seasonal High Tunnels

What Is a Seasonal High Tunnel?

Seasonal High Tunnels are low-cost seasonal extension technology used for producing a diversity of horticulture crops, including vegetables, fruits, herbs and flowers. Seasonal High Tunnel units are primarily placed in a crop field. Crops are grown directly in the soil and the only external connection is the drip irrigation system. Specifically, high tunnels are passively vented, solar greenhouses covered with 1-2 layers of removable greenhouse plastic and 1 layer of 50% white or black shade cloth.

In addition to accelerating crop growth and maturity, Seasonal High Tunnels protect the crop from an erratic environment where extremes in temperature, wind, rainfall, pest and light intensity can severely reduce marketable yield and quality.

Seasonal High Tunnels are manufactured for strength and dependability. Diagonal braces are computer designed to provide maximum strength with minimum shadow. The crossbrace assembly at every intermediate bow more than doubles the frame's strength.

Seasonal High Tunnel Package

30' x 72' Seasonal High Tunnel (6' bow spacing)

All Seasonal High Tunnel packages include the frame, single layer 6mil polyethylene cover , two manual roll up sidewall curtains, two manual roll up endwall doors and one 3' x 7' entry door.

Seasonal High Tunnel Specifications:

Available Widths:	12', 14', 16', 20', 22', 24', 28' and 30'
Available Lengths:	Any multiple of 4', 5' or 6'
Frame Materials:	All members are galvanized steel
Cover Options:	Walls: Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
	Roof: Polyethylene Film
	Sides: Manual roll up sidewall curtain with polyethylene film as the curtain material

Seasonal High Tunnels meet NRCS grant requirements. Check your local USDA website www.nrcs.usda.gov.

Hemp Greenhouse

Jump start hemp production in a controlled environment specifically designed for hemp. Increase propagation yield in a secure environment using the Kwic-Klip® fastening system and insect screen.

Hemp Greenhouse designs available in the following greenhouse styles:

- Appalachian Gutter-connect Greenhouse
- Classic Gutter-connect Greenhouse
- Freestanding Greenhouse

Light Deprivation Curtains

Roll to Peak Light Deprivation

We will package your external light deprivation system based on the dimensions of your greenhouse. Our light deprivation systems are designed to roll on the outside of your structure, providing more room for your crops, supplemental lighting or growing systems within your greenhouse.

Features:

- Durable 2” diameter roll bars are internally spliced to distribute pressure evenly along the length of the rolling curtain, helping to reduce droops and shadows (standard and HD options available)
- Swing-arm motor stabilization that reduces motor stresses and enables greater clearance for end wall access
- Wind control with optional eave posts, w” polyester webbing, and lashing winches
- Two-layer, inflated perimeter light seal creates and air “pillow” that adds pressure to the closed curtain, assuring total darkness within the greenhouse

Call for Pricing

Metal Buildings

Pre-engineered galvanized steel construction provides a virtually maintenance free building that can be engineered for high wind and snow loads at a cost that meets your budget. These buildings are non-combustible and generally cost less to insure.

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.

Features

- Widths from 12’ - 30’ wide
- Length in increments of 6’
- Galvanized framework includes hardware
- 8’ sidewall height
- May be certified for any location
- Post in ground or bus plate design
- Cover options: Roof and walls: Sturdi-Rib metal siding available in a wide variety of colors
- Equipment options: Doors, windows and heating

Call your sales representative for a quote today.

Hobby Houses

Micro-Farm*

Grow like a professional in the beautiful, engineer designed MicroFarm. The incredibly strong frame and hard polycarbonate cover, is every bit a scaled down version of a commercial greenhouse. Controlling the greenhouse environment is easier with automatic ventilation, heating, and evaporative cooling.

Micro-Farm Specifications:

Available Widths:	8’, 10’, 12’, 14’	
Available Lengths:	Any multiple of 6’	
Available Heights:	6.5’	
Frame Materials:	All members galvanized steel square or rectangular tubing or hat channel	
Design Loads:	May be certified for any location	
Cover Options:	Walls:	Multi-walled polycarbonate or corrugated metal.
	Roof:	Multi-walled polycarbonate or corrugated metal.
Equipment Options:	Fans, shutters, MicroCooler, heaters, benches, irrigation and more!	

12’ x 12’ Package **$6,304**
Upgrade to: 33” cooler **$1,474**

12’ x 24’ Package **$10,617**
Upgrade to: 33” cooler **$1,474**

Hobby House*

Don’t let your budget keep you from your dream. The Hobby House is an affordable, fully functional, scaled down greenhouse. Not only will you be able to grow new plants each season, but you can also keep them alive and healthy throughout the winter. Low maintenance and easy to operate.

Hobby House Specifications:

Available Widths:	12’	
Available Lengths:	12’ or 24’	
Frame Materials:	All members galvanized steel	
Cover Options:	Endwall Walls:	Polyethylene Film, Multi-walled polycarbonate, corrugated polycarbonate, or corrugated metal.
	Roof:	Polyethylene Film
Equipment Options:	Exhaust fans, shutters, MicroCooler, Freestanding Benches, irrigation and more!	

12’ x 12’ Package **$3,271**
(includes 1- 4’ x 10’ bench)

12’ x 24’ Package **$5,529**
(includes 1- 4’ x 20’ bench)

Frame System

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

System 1212 **$1,678**
System 1224 **$2,278**

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

Installation By: The Greenhouse Company

Benefits of having your project installed by The Greenhouse Company:

- Over 40 years of experience
- The Greenhouse Company supervises all installation jobs
- Using installation crews will allow you to continue to handle your day to day activities while your greenhouse is being installed
- Professional job along with construction to The Greenhouse Company specifications

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.

4-Year Anit-Drip / Infrared Blocker

Polyethylene film that is engineered by an exclusive system that mixes UVA inhibitors, an anti-dust barrier plus Anti-Drip additives and an Infrared Blocker throughout each of the five layers.

Standard lengths are 100', 110' and 150'. Custom lengths are available over 100'.

- Greenhouse film may be attached with Jäderloon's® exclusive Kwik-Klip®.
- 4-Year Film is warranted for 4 years only if plastic is double layered and inflated.
- 1-year & overwinter plastic are available for coldframes. Thickness and widths vary. Call for quote.

Film Pricing

Film Size	Clear/UV
24' x 100'	**$322**
28' x 100'	**$376**
32' x 100'	**$429**
36' x 100'	**$483**
40' x 100'	**$537**
42' x 100'	**$563**
48' x 100'	**$644**

- Height, width, length and measurement from ground over the top of the frame are required to get the correct film for your greenhouse.

Griffolyn® TX-1600GH

Introducing a new heavy-duty greenhouse cover ideal to protect investments from unwanted light transmission and provide long-term service in high UV level environments. The Griffolyn® TX-1600GH is a clear, reinforced polyethylene laminate containing 60% more UV stabilizer additive than its predecessor making it a favorable choice in environments with above average UV levels

Greenhouse Covers Product Advantages

- UV stabilized to minimize deteriorating effects of the sun
- Lightweight and flexible for easy handling

Available Colors

- Clear (allows 80% light transmission)
- White (allows 20% light transmission)
- Black (allows 0% light transmission)

Call for Pricing

Film Requirements

For Freestanding Greenhouses*

House Width	Poly Width
12' Hobby House	24 ft.
12' Bow	24 ft.
14' Bow	24 ft.
16' Bow	24 ft.
20' Bow	32 ft.
22' Bow	32 ft.
24' Bow	36 ft.
26' Bow	40 ft.
28' Bow	42 ft.
30' Bow	48 ft.

*Film requirements for the roof of Jäderloon® frames with standard 40" anchors. Extended anchors require wider rolls.

For Gutter-Connected Greenhouses*

House Width	Poly Width
18' Classic	20 ft.
22' Classic	24 ft.
29' Classic	32 ft.
30' Piedmont	36 ft.
32' Piedmont	36 ft.
35' Piedmont	40 ft.

*Film requirements for the roof of Jäderloon® frames.

Poly-Patch® Polyethylene Repair Tape

Poly-Patch®
Leading Polyethylene Repair Tape in USA

Poly-Patch® is a complete first-aid kit for greenhouses. This rugged patching tape bonds aggressively to polyethylene film. It's a highly UV stabilized 6 mil polyethylene film with a UV stabilized adhesive.

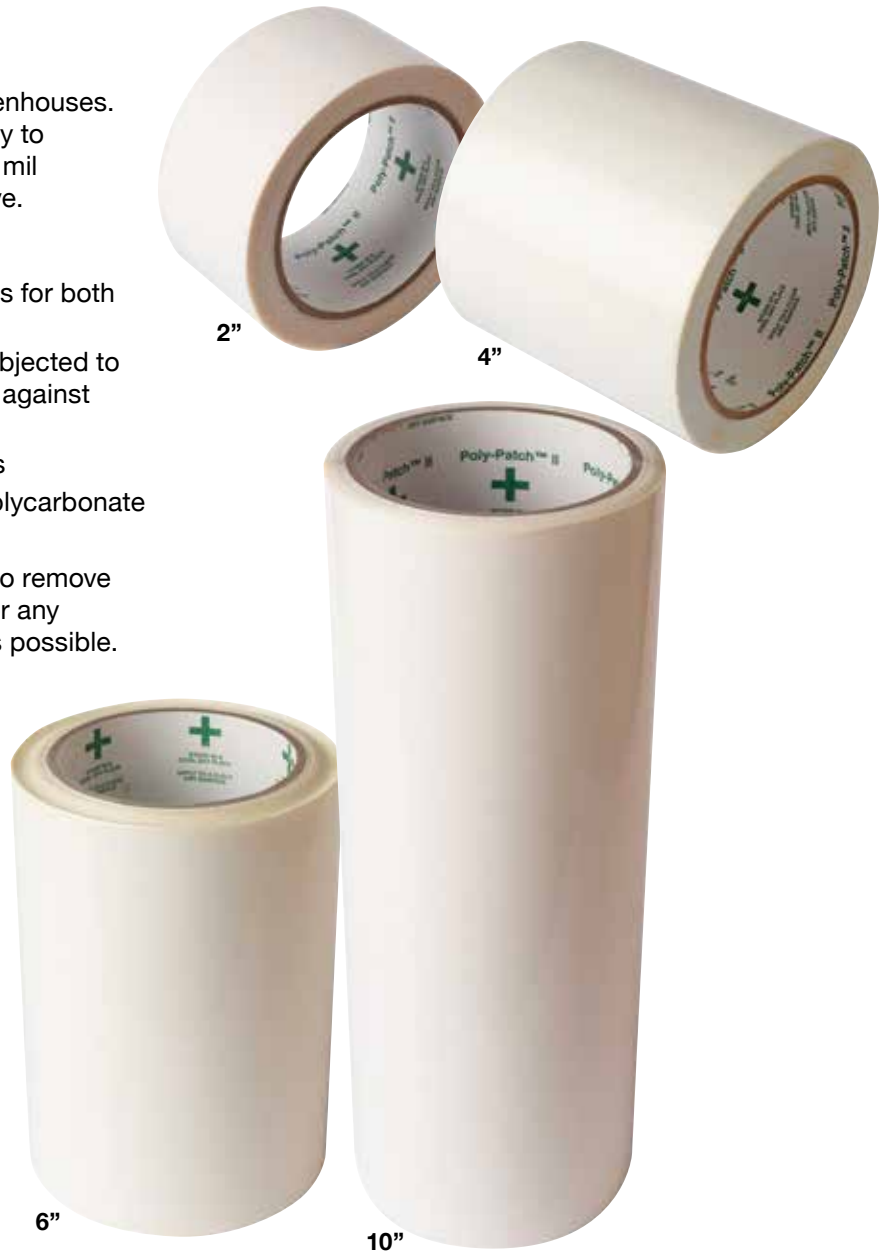
Poly-Patch® uses for greenhouses:

- For patching any polyethylene rips and tears for both inside 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
- To temporarily repair cracks or breaks in polycarbonate coverings.

Application: Clean polyethylene thoroughly to remove any grime which may have accumulated. After any application, press out as many air bubbles as possible.

Part #	Size	Price
2PP0248	**2" x 48'**	**$9.95**
2PP0448	**4" x 48'**	**$22.60**
2PP0648	**6" x 48'**	**$34.50**
2PP1024	**10" x 24'**	**$35.50**

Invented by Jāderloon® in 1981, POLY-PATCH® is a rugged patching tape that bonds aggressively to polyethylene film. The ultimate first aid kit for greenhouses, it reinforces greenhouse covering and helps protect plants and growing environments.



Accessories

Black Webbing Tape
Used to secure greenhouse film to wood baseboards.

Part #	Size	Price
2MS0184	**1-3/4" x 300'**	**$15**

Batten Tape
Used to secure greenhouse film to wood baseboards.

Part #	Size	Price
2MS0170	**3/4" x 500'**	**$39.50**
2MS0180	**3/4"x 1000'**	**$69.50**

Pak Gard Tape
Protects poly film on greenhouse frames when applied to points of contact between the frame and covering. Reduces chafing and heat buildup which can cause excessive wear and deterioration of covering materials.

Part#	Size	Price
2MS1420	**40 ft.**	**$38.50**

Film Knife
Safe cutting of any plastic or Poly-Patch repair tape.

Part #	Price
2MS6060	**$3.75**

Jāderloon's® Film Fastening Systems

KWIC-KLIP® Film Fastening 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 the poly. 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:** Designed for maximum performance on the greenhouse. Ideal for double and single layer (up to 12 mil) air-inflated greenhouses.

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 is reusable time and again.

*The Greenhouse Company recommends using a film without a slip agent with our KWIC-KLIP® System.

KWIC-KLIP® Base and Cap (2 layer)
Now available in 4 ft. lengths for less expensive shipping!

4PN4725048	**Base 4 ft. (100 ft. per box)**	**$85.25**
4PN5098048	**Cap 4 ft. (100 ft. per box)**	**$85.75**

KWIC-KLIP® Extrusions

KWIC-KLIP® Base & Cap
Use on all surfaces (pipe, tube, box beam, wood). The base may be curved over bows and prebent cap used. Holds 2 layers of film.

3PN4725	**Base**	**$0.80/ft.**
3PN5098	**Cap**	**$0.80/ft.**

Single Layer KWIC-KLIP® Cap
Engineered specifically for single layer film applications only with the benefits of our time-tested two layer cap. Holds 4 to 6 mil polyethylene.

3PN5095 **$0.90/ft.**

KWIC-KLIP® Angle Base
Joins rigid endwall material with polyethylene roof. Fits different thicknesses of corrugated and flat fiberglass and polycarbonate.

3PN4723 **$2.25/ft.**

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.

3PN5096	**Two Layer**	**$0.95 ea**
3PN5094	**One Layer**	**$1.60 ea**

Kwic Wire Fastening System

Universal Application: Holds single and double layers equally.

Aluminum channel with stainless steel wire lock. Easy installation with no skill required. Can hold against a force applied to either side of lock.

Part #	Description	Length	Price
1AE160096	Base	8 ft.	**$0.75 ft.**
2MS3060	Wireloc	6.5 ft.	**$50***

*Wireloc sold in groups of 20 pieces

Accessories for KWIC-KLIP® and Kwic Wire Installations

The Greenhouse Company's rubber mallet is specially designed for installing the Jāderloon® KWIC-KLIP® system. Other mallets may damage KWIC-KLIP®.
4PN0110 $47

#10 x1" TEK screws for wood

2FMF0510 $0.19 ea.

#12 x 3/4" Drill point screws for metal

2FMF0610 $0.11 ea.

Jāderloon® Inflation Systems

Inflation Blower and Air Deflector & Bracket Kit

Centrifugal blower maintains air space between film layers.

The Jāderloon® 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 regulation of the of air volume. Air can be adjusted from 0 to 60 CFM. It has a circular flange that fits exclusive blower bracket/air deflector.

Part #	Description	Price
2EQ0400	**Adjustable Blower**	**$79.85**
4PN0030	**Air Deflector & Bracket**	**$28.50**

Uni-Force™ Outside Air Inflation System

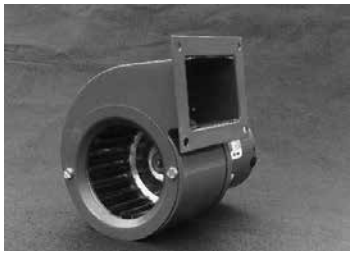
The self adjusting hose/tube system adjusts automatically allowing the plastic to inflate at the point of penetration by the air inlet hose with up to a 10 inch air space.

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 cooler outer layer of plastic away from the warmer inner layer of plastic.

Part#	Description	Price
4PN0029A	**Oustide Air Inflation Kit**	**$190.25**
4PN0029AR	**Outside Air Inflation Retro-Fit Kit**	**$81.55**
4PN0029	**Outside Air Inflation Old Style without slide**	**$151.75**

Jumper Hose

Part #	Description	Price
4PN0040	**18” length**	**$17.80**
4PN0026	**24”**	**$18.10**
4PN0024	**36”**	**$19.50**
4PN0041	**48”**	**$20.70**



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**	**$176**
4PN0035	**Air Deflector & Bracket**	**$30.50**

Polycarbonate Panels and Accessories

Twinwall Polycarbonate Panels

Great looking with performance characteristics that make it a preferred greenhouse material. Plants respond best to diffused light. Multiwall panels help diffuse sunlight to prevent burning.

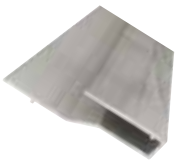
8mm sheet: 47-1/4" & 71-1/4" widths.

Features:

- Excellent clarity and light transmission
- Energy-efficient twinwall design
- Flame retardant panels melt and won't spread flames
- Box beam structure gives high impact resistance
- UV protected thermal performance
- Anti-drip/anti-fog coating

Greenhouses with polycarbonate

- All polycarbonate: Appalachian, Blue Ridge, Instructor and Micro-Farm
- Polycarbonate endwalls and sidewalls: Classic and Piedmont
- Polycarbonate endwalls: Freestanding and Hobby House



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 $30.80

Eave Extrusion

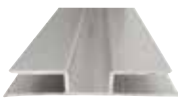
The eave extrusion is a multipurpose extrusion in that it trims the 8mm roof glazing as well as the 8mm sidewall glazing. It also incorporates a condensation channel that can be drilled to dispense collected moisture to the exterior of the structure. The eave extrusion mounts to either a 1.5"+ square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

1AE180240 20 ft. lengths $99.40

Glazing H

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.

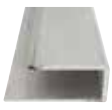
1AE051288 24 ft. lengths $50.40



H-Channel Endwall Covering

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

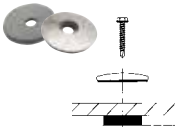
1AE046096 8 ft. $18



J-Channel Endwall Covering

Protects and trims raw edges on 8mm panels.

1AE047096 8 ft. $6.40



Neoprene Bonded Washers

Stainless steel washers seal and protect plastic where screws are installed.

2FMF1215 #12 x 1" $0.25 each

Corrugated Polycarbonate Panels and Accessories

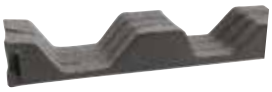
Corrugated Polycarbonate Panels

Crystal clear. A great choice for retail endwalls.

90% light transmission or choose a light diffusing texture on clear panels. Tints available for varying degrees of shade.

51” wide panels.

Corrugated Panel Accessories



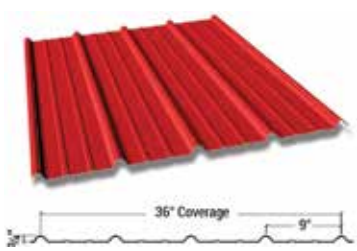
Horizontal Foam Closure
Seals panel ends, 1 in. x 3 ft. pieces.
2MS0386 **$1.90 ea.**

Self-Grip Lap Fasteners
Joins 2 pieces at lap. Includes screws.
2MS0383 **$0.68 ea.**

Drill-Point Screw
Fastens panels to aluminum and steel supports. Weatherseal washer head. #12 x 1”.
2FMF0519 **$0.11 ea.**

Woodgrip Screw
Hex-head with weatherseal washer. #10 x 1-1/2”.
2FMF0470 **$0.16 ea.**

Metal Panels & Accessories



Call for Pricing

Ground Cover

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# Premium	Size	Price
2GC0003	**3’ x 300’**	**$84**
2GC0006	**6’ x 300’**	**$171**
2GC0010	**10’ x 300’**	**$285**
2GC0012	**12’ x 300’**	**$309**
2GC0015	**15’ x 300’**	**$378**

Ground Cover Staples
6” legs, quantity of 1,000
2MS6040 **$150**

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%. Jāderloon's® unique, 2-piece, aluminum connector retains 100% of the frame's strength. Comes complete with bolts and nuts. Use it to connect any tubing or pipe in the following sizes. Packed 50 pair per box.

Part #	Size	Price/Pair
5PN0003	**1" x 1"**	**$3.05**
5PN0000	**1-3/8" x 1-3/8"**	**$3.15**
5PN0001	**1-5/8" x 1-3/8"**	**$3.25**
5PN0002	**2" x 1-3/8"**	**$3.30**

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**	**$5.30**

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

5PN0230 $3.45

Metal Endwall Connector

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

Part #	Description	Price Each
2PN0010-1	**Brackets**	**$1.75**
2FMF0720	**#14 x 1" screws**	**$0.18**

Endwall Bracket Assembly

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

Wood End

Part #	Size	Price Each
3PN0170	**Bracket 2"x4" Only**	**$2.25**
5PN0012	**w/1-3/8" Band**	**$3.20**
5PN0010	**w/1-5/8" Band**	**$3.95**

Metal End

Part #	Size	Price Each
3PN0175	**Bracket 1-1/2" Only**	**$1.58**
5PN0017	**w/1-3/8" Band**	**$2.55**
5PN0015	**w/1-5/8" Band**	**$3.25**
3PN0177	**Bracket 2" Only**	**$2.20**

Brace Bands

Galvanized steel brace band used for trussing and bracing.

Part #	Size	Price Each
2MS0020	**1-3/8"**	**$0.85 each**
3PN0160 **	**1-5/8" cross br.**	**$1.55 each**
2MS0030	**2"**	**$0.97 each**
2MS0040	**2-3/8"**	**$1.20 each**

** Has additional holes for fasteners where required.

Two-Hole Strap

Part #	Size	Price Each
3PN0220	**fits 1-3/8 " tube**	**$0.68 each**
2EP0020	**fits 1-5/8 " tube**	**$0.70 each**
2EP0030	**fits 2" tube**	**$0.74 each**
2EP0035	**fits 2-3/8 " tube**	**$1.25 each**

Anchors

Jāderloon® anchors are larger than average diameter for added strength.

Part #	Size	Price
3QH0027	**40" x 1.9" x 13GA**	**$24.70**
3QH0028	**64" x 1.9" x 13GA**	**$35.25**
3QH1410	**40" x 1.5" x 16GA**	**$21.95**
3QH1415	**64" x 1.5" x 16GA**	**$31.60**

Pre-hung Aluminum Doors

Built To Last!

Built Jāderloon® 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
Jāderloon'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.

Jāderloon® Tools

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**	**$145.50**
4GH0010	**Remover**	**$39.75**

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"**	**$41**
2QH0010	**1-1/2" and 1-5/8"**	**$48.50**
2QH0030	**1.9"**	**$49.50**

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

4GH0030 $160.00

Magnetic Driver
Used to install TEK screws (see hardware pg.)

Part #	Description	Price
2MS0110	**5/16" Driver**	**$3.75**
2MS0120	**3/8" Driver**	**$4.50**

Hinged Single Doors

Twinwall

Part #	Size	Qty/Price
4PN0205	**36" x 84"**	**Ea. $625**
4PN0210	**48" x 96"**	**Ea. $700**

Hinged Double Doors

Twinwall

Part #	Size	Qty/Price
4PN0305	**72" x 84"**	**Ea. $1,185**
4PN0310	**96" x 96"**	**Ea. $1,240**

Sliding Doors

Single,Twinwall Door

Part #	Size	Qty/Price
4PN0250	**36" x 84"**	**Ea. $410**
4PN0255	**48" x 96"**	**Ea. $431**

Double, Twinwall Doors

Part #	Size	Qty/Price
4PN0350	**72" x 84"**	**Ea. $809**
4PN0355	**96" x 96"**	**Ea. $844**

Sliding Door Kits**

Part #	Size/Desc.	Qty/Price
DT1003	**Single, 3 ft.**	**$205**
DT1004	**Single, 4 ft.**	**$205**
DT2006	**Double, 3 ft.**	**$406**
DT2008	**Double, 4 ft.**	**$406**

** Specify door size when ordering.

Palmetto Roof Vent

Shown with Palmetto Vent and polycarbonate endwalls

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. Jāderloon's® Palmetto Roof Vent opens a vast amount of the roof to allow maximum air flow while Roll-Up Sidewalls can open virtually 100% of the walls.

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

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 eyebolt attachment.

Alpine Ridge Vent

Alpine Ridge Vent

The Alpine Ridge Vent is a motorized passive ventilation system using natural convection to cool your greenhouse. As hot air rises out through the vent opening, cooler air falls into the greenhouse through the same opening and replaces the hot air. This continuous circulation also assists in lowering the humidity, as warm moist air leaves the greenhouse cool drier air settles in. The Alpine Ridge Vent is designed for greenhouses with a 6/12 roof pitch and a minimum length of 24'. The Alpine Ridge Vent is very economical for greenhouse cooling. The electric gearbox motor only runs while opening or closing the vent.

Roll-Up Curtain Walls

The Jāderloon® roll-up curtain walls can be custom fitted to match individual requirements. Combined with the Palmetto Roof Vent system, they make one of the best passive ventilation systems available. Virtually 100% of the walls open for total air circulation.

Jāderloon's® 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 Jāderloon® Freestanding Greenhouses.

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

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

The Sidewinder is available in lengths up to 200 ft.

Assembly required

Carolina Cooler™

Carolina Cooler™ Evaporative Cooling System

Beats The Heat For Superior Plant Growth!

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.

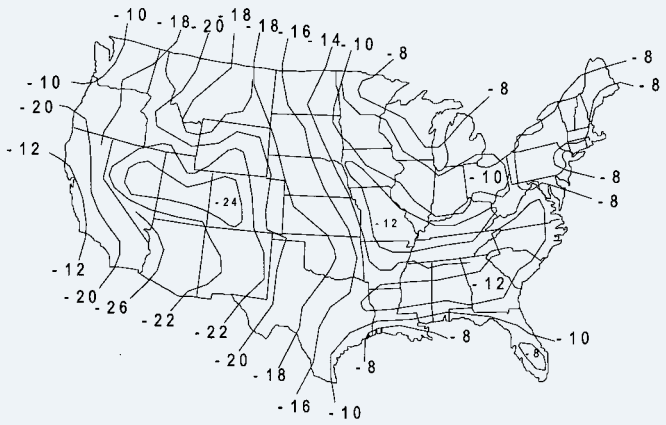
Air volume movement is critical to proper operation of any evaporative cooler. Our experienced representatives can properly size fans and coolers for maximum cooling efficiency.

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.

Features:

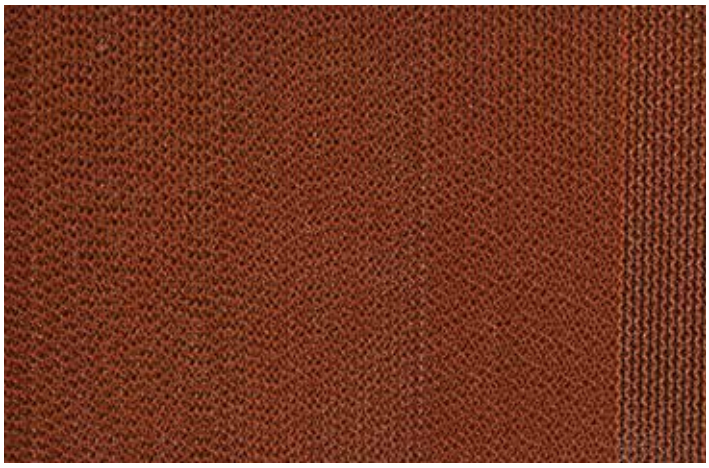
- Keeps greenhouses cool in the hottest climates.
- Less shading required to maintain cooler temperatures. More light means faster, stronger growth.
- Reduces watering due to elevated humidity created by evaporation from the cooling pads
- Moist, corrugated, cooling media cleans air as it enters greenhouse.
- 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



Approximate air temperature drop across Carolina Cooler™ (6 inch media) during July with a properly sized ventilation system.

Keep Your Cool With Carolina Cooler™!

Carolina Cooler™



Carolina Cooler™ Standard Sizes

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

	Width			
Height	12 ft.	15 ft.	20 ft.	25 ft.
2 ft.	**$1,800**	**$1,944**	**$2,369**	**$2,902**
3 ft.	**$1,801**	**$2,085**	**$2,393**	**$2,924**
4 ft.	**$1,971**	**$2,231**	**$2,561**	**$3,242**
5 ft.	**$2,038**	**$2,319**	**$2,783**	**$3,410**
6 ft.	**$2,136**	**$2,445**	**$2,898**	**$3,478**

Corrugated Cooling Media

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

Part #	Description	Price	
2MS04242	**24” x 12” x 4”**	**$17.50**	**Carolina**
2MS04362	**36” x 12” x 4”**	**$17.50**	**Cooler™ 6 inch**
2MS04482	**48” x 12” x 4”**	**$23**	**cooling pads**
***2MS04602**	**60” x 12” x 4”**	**$29**	**use 33% less**
***2MS04722**	**72” x 12” x 4”**	**$38**	**wall space**
2MS06242	**24” x 12” x 6”**	**$26**	**than some**
2MS06362	**36” x 12” x 6”**	**$26**	**4 inch pads**
2MS06482	**48” x 12” x 6”**	**$35**	**used for the**
2MS06602	**60” x 12” x 6”**	**$44**	**same cooling**
2MS06722	**72” x 12” x 6”**	**$52**	**capacity.**

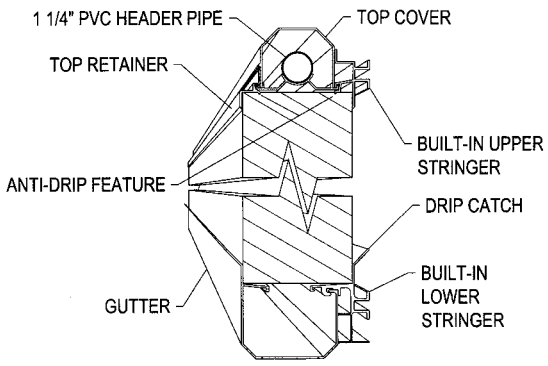
Cooling System Pumps

Submersible Pumps

Part #	Description	Price
2EQ0145	**1/4 HP**	**$344**
2EQ0150	**1/3 HP**	**$525**

Close-Coupled Centrifugal Pumps

Part #	Description	Price
2EQ0110	**1/2 HP**	**$1,224**
2EQ0120	**3/4 HP**	**$853**
2EQ0130	**1-1/2 HP**	**$1,572**
2EQ0100	**2 HP**	**$1,175**



Micro-Cooler $1,474

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 sized to match the requirements of the Micro-Cooler.

Jāderloon® Versa-Vent

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 the 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.

Versa-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. The size vent that the Lock gearboxes can operate is unlimited. Assembly required.

Height Length

	12ft	15ft	20ft	25ft
2ft	**$2,054**	**$2,099**	**$2,429**	**$2,566**
3ft	**$2,066**	**$2,136**	**$2,472**	**$2,611**
4ft	**$2,117**	**$2,166**	**$2,506**	**$2,660**
5ft	**$2,159**	**$2,198**	**$2,554**	**$2,700**
6ft	**$2,199**	**$2,250**	**$2,602**	**$2,751**

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. 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.

4PVLOCK **$815**

Somfy Phoenix Vent Motor

2EQ0490 120 volt **$813**
2EQ0480 220 volt **$818**

Quietaire Fans & Shutters

Quietaire

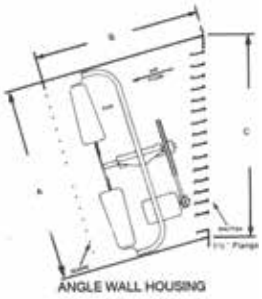
Economical, Practical, Effective

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 the shutter.

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

Model No.	A	B	C	Wall Opening	
				H	W
AGCS 24	28-1/4	28-3/8	26	29-1/2	28-3/4
AGCS 30	34-1/4	29-3/4	35-1/8	25-5/8	34-3/4
AGCS 36	40-1/4	31-1/4	41-3/8	42	40-3/4
AGCS 42	46-1/4	37-7/8	47-5/8	48-1/4	46-3/4
AGCS 48	52-1/4	35	53-3/4	54-1/4	52-3/4
AGCS 56	62-1/4	42	64-1/4	64-3/4	62-1/2



Louver Lifter™

The Louver Lifter™ is The Greenhouse Company's most recent innovation towards better greenhouse ventilation. The dual force lever arm is capable of pulling louvers open against the partial vacuum created by the exhaust fans. Once the louver is open less pressure is applied to avoid any possible damage to louver or linkages.

4EQ0115	**Shutter Motor and Louver Lifter Kit**	**$155**
4EQ0100	**Louver Lifter**	**$39.75**
4EQ0110	**Louver Hardware Package**	**$25.25**
2EQ0198	**Shutter Motor**	**$91.75**

Shade House

The Jāderloon® 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
- The Jāderloon® 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.

Call your representative for more information.

Shade Cloth

Shade Cloth

Tough, lightweight, UV resistant, heat retardant... 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%, 80%, and 95%.
- Taped to your requirements.
- Grommets are optional and available to meet your spacing needs.

Knit Shade Fabrics

- Available in a variety of shade factors.
- 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.

Jādershade™

Shade For Summer Cooling
Energy Savings for Winter
Up to 40% Energy Savings!

The Jādershade™ 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.

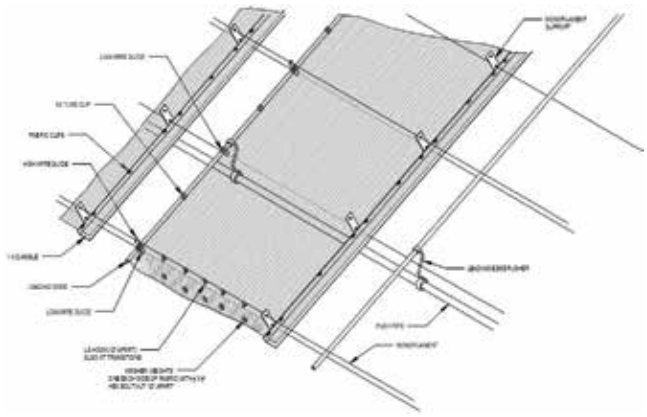
The shade material is supported by 2.08mm diameter monofilament on approximately 18" centers. There are also monofilaments above the shade material spaced on 3' centers.

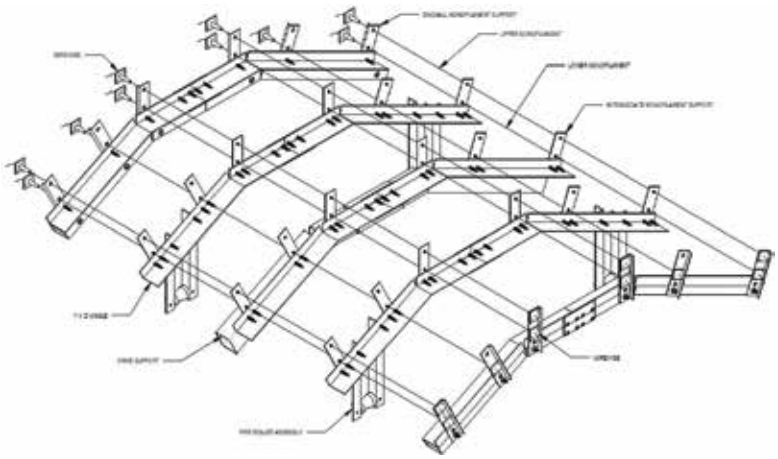
Monofilaments are supported at every column/truss spacing by .080" diameter galv. steel cross wires. Upper and lower monofilaments are held 2" apart by snap on spacers. All cables and monofilaments are supported at each end of the structure by a continuous run of 2" sq. x 15 ga. tubing suspended off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

Jādershade™ can be utilized with Harmony, Luxous, Obscura and other screens to create the optimum environment desired.

Call For Quote

Eclipse Shade System





Eclipse Power Shade

The Eclipse Power Shade system is a motorized push-pull, slope-flat-slope shade system. The system is designed for greenhouses with a 6/12 roof pitch and a 12' column spacing. The transition points in the slope-flat-slope shape are customizable for clearance of equipment or other obstacles. The minimum greenhouse length for the operation of this system is 48' long. The system is available with a range of shade percentages and fabrics.

Jāderloon® Uni-Flo™ HAF fans

Horizontal Air Flow (HAF) fans make greenhouse heating and cooling more effective by evening out temperatures throughout the structure.

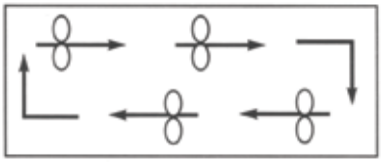
Gentle but high volume air circulation eliminates hot and cold spots. The objective is a smooth flowing mass of air circulating throughout the greenhouse.

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

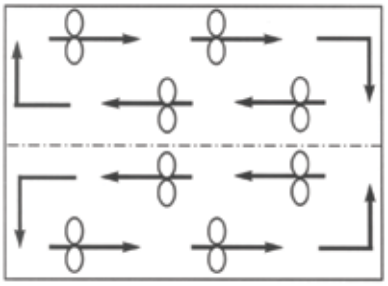
High speed fans with sharply pitched blades create excessive blade tip turbulence and sacrifice volume air movement for air speed near the fan.

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

Single Greenhouse



Multiple Wide Greenhouse



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.

- 120 Pitch blades for smooth air flow.

Part #	Description	Price
4EQ0020	**2000 CFM 120V**	**$263.75**

No Oil No Maintenance Motors*

*These motors are interchangeable and equivalent to motors requiring maintenance.

Motor is totally enclosed with sealed ball bearings.

Part #	Description	Price
2EQ0030	**110 Volt**	**$81.25**

ADP Heaters

Efficiency
ADP gas-fired unit heaters deliver between 83% and 82% thermal efficiency. This excellent efficiency sets a new standard when using gas-fired unit heaters.

Reliability
ADP heater designs have proven superior for over a decade and during hundreds of thousands of hours in the toughest winter climates of North America and under extreme conditions in laboratory life cycle testing. ADP unit heaters have been designed to provide a long, trouble free service life.

Quality
Every heater undergoes continuous quality checks at all stages of manufacturing. After assembly, each heater is test fired and functionally tested to provide final assurance that it is performing in accordance with ADP's rigorous quality standards.

Power Exhaust
All heaters have a sealed flue collector and a power exhaust system which enable conventional vertical venting or horizontal venting. Power exhaust, when used with horizontal venting, lowers operating cost because it reduces stack losses. It also allows the option of not penetrating the roof, or multiple floors. The versatile power exhaust (on some models) reduces installation cost further by allowing the exhaust to be directed upward, left or right, just by rotating the exhaust assembly.

UHCM SERIES

Product Features

- Heating capacities from 125,000 – 400,000 BTUH.
- Up to 85% thermal efficiency.
- Stainless steel heat exchanger is available for longer product life.
- Heat exchangers are laboratory life-cycle tested.
- Tubular heat exchangers made of aluminized steel or stainless steel.
- Aluminized steel in shot burners provide efficient trouble free operation.
- Sidewall venting eliminates roof penetrations.
- Wiring junction box is located outside of unit.
- Safe direct spark ignition. No standing pilot light.
- Self-diagnostic board with LED display improves troubleshooting efficiency and accuracy.
- 3/8 x 16 rivet nuts are located on the top of cabinet for suspending unit using threaded rod.
- Power exhaust system with a sealed flue collector allows conventional vertical or horizontal venting to 35 ft (depends on unit size).
- Direct drive propeller fans are dynamically balanced for quiet, smooth operation.

UHRS SERIES

Product Features

- Residential – low profile units.
- Great for garages & shops.
- Sidewall venting eliminates roof penetrations.
- Wiring junction box is located inside of unit.
- 1" clearance from ceiling for easy installation.
- Heating capacities from 30,000 – 105,000 BTUH.
- Up to 85% thermal efficiency.
- Self-diagnostic board with LED display improves troubleshooting.
- Power exhaust system allows horizontal venting to 25 ft.
- Tubular heat exchangers made of aluminized steel.
- Aluminized steel in shot burners provide efficient trouble free operation.
- Direct drive propeller fans are dynamically balanced for quiet and smooth operation.

Vent Pipe Kit

Double walled. galvanized

Part #	Model	Size	Price
2VP1760	**UHRS-30 - UHCM-150**	**4**	**$205**
2VP1770	**UHCM-175 - UHCM-300**	**5**	**$243**
2VP1780	**UHCM-350 - UHCM-400**	**6**	**$284**

Heater Hanger Assembly

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

Part #	Bow Space	Price
5PN0051L4	**4 ft. bow sp.**	**$195**
5PN0052L4	**8 ft.column sp. 5 ft. bow sp.**	**$227**
5PN0059L4	**6 ft. bow sp. 12 ft. column sp.**	**$234**

Thermostatic Logic Controllers, Thermostats & Sensaphone

TLC Control System

The low cost mechanical Thermostatic Logic Controller for small, single-zone greenhouses makes it easier to control your greenhouse. Separate set points for each stage allows you full control of all equipment. 5 stages of cooling, 1 stage of heating. Installation and wiring instructions included.

Operational Stages:

Stage 1: Cooling. Low speed on 2-speed fan, shutter open.
Stage 2: Cooling. Vent/Curtains Open
Stage 3: Cooling. Shutter closed, 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**	**$987.25**
4EQ0055	**Two Heaters**	**$1,105.25**

MicroTLC Control System

The low cost mechanical Micro Thermostatic Logic Controller for residential and small greenhouses makes it easier to control your greenhouse. Separate stage set points. 3 stages of cooling, 1 stage of heating. Installation and wiring instructions included.

Part #	Description	Price
4EQ0060	**MicroTLC**	**$694**

Thermostats

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.

Part #	Description	Price
2EQ0000-M	**Single Stage**	**$150.25**
2EQ0010-M	**Two-Stage**	**$260.75**
2EQ0014 KTO 121	**Cool only with 6' cord and plug**	**$59**

Sensaphone Remote Monitors

Sensaphone 1800

The Sensaphone 1800 system remotely monitors greenhouses to prevent loss of valuable plant assets. The system is a simple, convenient, cost-effective solution ideal for smaller greenhouse operators, commercial growers and retailers.

Other models available. Call for pricing.

Advanced Controller Systems

Greenhouse Command Center

The Greenhouse Command Center is designed to operate all the equipment required to ventilate, cool, and heat a single zone greenhouse.

The Greenhouse Command Center operates 5 stages of cooling and a single stage of heating. It is a pre-wired controller with a numbered terminal strip for all connections. The controller package includes all programming, layout, and wiring information. However, for convenience, the system is pre-programmed so it is fully functional as soon as it is initialized

The system is programmed with a logical progression of equipment staging so that no equipment operates unnecessarily. The naturally aspirated shielded temperature sensor is located in a forward quadrant rather than centrally located to further reduce unnecessary cycling of equipment.

Features

- All stages pre-programmed for the users convenience.
- 5 stages of cooling and 1 stage of heating.
- First stage fan may be single speed or two speed.
- All components enclosed and protected in a NEMA12 panel box.
- Keeps motorized vent open one extra stage on cool down to further dry evaporative cooling pads.
- Temperature sensor supplied with 50ft cable for remote mounting.

Range Command Center

The Range Command Center has the same control features as the Greenhouse Command Center but is equipped for much larger missions. The addition of a large contactor panel allows the Range Command Center to operate an almost unlimited number of exhaust fans, shutters, motorized vents, evaporative cooling systems, circulating fans, and heaters. Although the design of each Range Command Center unit is the same, the addition or subtraction of relays creates a custom control system for your individual needs.

Greenhouse Command Center

Capabilities
5 Stages Cooling - 1 Stage Heating

	Exhaust Fans	Louvers	Intake Vents	Evaporative Coolers	Heaters	Ethernet Capability	Part Number	Price
Greenhouse Command Center	2	1	1	1	2	NO	**4EQ0070**	**$2,920**
Greenhouse Command Center with Bravo	2	1	1	1	2	YES	**4EQ0070B**	**$3,573**
Greenhouse Command Center Plus	4	1	1	1	2	NO	**4EQ0072**	**$2,949**
Greenhouse Command Center Plus with Bravo	4	1	1	1	2	YES	**4EQ0072B**	**$3,596**
Range Command Center	5+	2+	2+	2+	3+	NO	Call for pricing	
Range Command Center with Bravo	5+	2+	2+	2+	3+	YES	Call for pricing	

Call The Greenhouse Company today for a solution that suits your requirements and budget.

1-800-258-7171

Wadsworth and Link4 controls available. Call for quotes.

Hose Trolley

Hose Trolley

The hose trolley is a device used to suspend a water hose above obstructions on the floor of a greenhouse. Hose trolleys allow the hose to be stretched out for the purpose of watering plants without snagging on objects in the path.

- Keep your greenhouse hoses securely out of the way
- Reduce tripping, falling, and potential injury
- Easily move hoses around the greenhouse for watering
- Store hoses conveniently

Call for pricing

Irrigation Systems

Irrigation Systems

The Greenhouse Company 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 today for a quote. 1-800-258-7171

Fertilizer Injectors

DEMA MixRite Water Driven Injectors

MixRite TF 3

Designed for low to medium water flow for fertigation, pesticide and other in-line additives.

- Waterflow up to 14 GPM and as low as .08 GPM.
- 1” MPT threaded connection
- .3% to 2% injection rates

2EQ0569 $667

Dosmatic

MiniDos 2.5%

Patented internal mixing chamber that promotes homogeneous mixing while segregating.

- Waterflow up to 12 GPM and as low as .03 GPM.
- 1” MPT threaded connection
- .5% to 2.5% injection rates

2EQ0567 $789

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	
2MS2410	Stiff Arm Rail Support	**$25**
2MS0330	C-Bracket only	**$17**
	Trolley Heads	
2MS0310	with Nylon roller	**$25**
2MS0320	with Nylon roller & pendant	**$34.25**
2MS0315	with steel roller	**$23.85**
2MS0325	with steel roller & pendant	**$33.95**
1TPR1315.14	21 ft., 1.315” x 14GA rail	**$70.15**
3KT0070	68 degree rail bend	**$29.10**
3KT0060	90 degree rail bend	**$33.95**
2MS0850	Rail End Stop	**$7.50**
2MS0855	Rail Splicer	**$6**

Jāderloon® Greenhouse Benches

stationary bench

stationary bench

rolling bench

freestanding benches

freestanding bench

Make the maximum use of your growing space with Jāderloon® three types of greenhouse benches: stationary, rolling and free standing. All Jāderloon® benches are made with a galvanized steel frame, an aluminum F-bar with 1 inch support bars spaced 2 ft. on center for maximum strength, and heavy gauge expanded metal. Assembly required.

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.

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 sidewall benches
One 5’ x 89’ rolling benches
Two 6’ x 89’ rolling benches

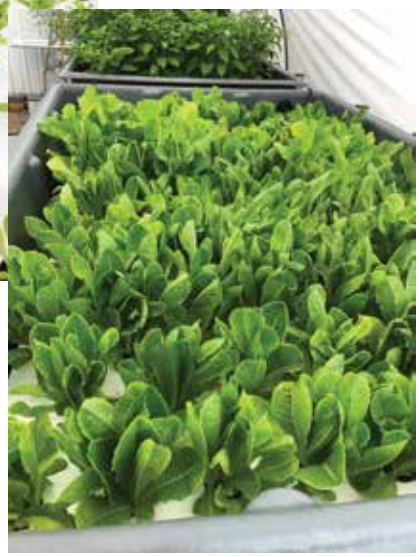
Choose the bench style that best suits your needs or use a combination of all three styles.

Call for Pricing

Freestanding Benches

	Expanded Metal Top		DuraBench Top	
4’x8’	**FB4008**	**$371**	**FB4008D**	**$413**
4’x10’	**FB4010**	**$463**	**FB4010D**	**$527**
4’x12’	**FB4012**	**$546**	**FB4012D**	**$586**
4’x20’	**FB4020**	**$950**	**FB4020D**	**$866**
6’x8’	**FB6008**	**$472**		
6’x10’	**FB6010**	**$579**	N/A	
6’x12’	**FB6012**	**$642**		
6’x20’	**FB6020**	**$1,001**		

Aquaponic System



Call for Pricing

Complete system

- Kit contains everything needed for full assembly of system
- Multiple valves are provided for better control of water to each section of system
- Individual sections of system can be shut down while the remaining sections are fully functional
- The auto siphon in the media bed is filtered to keep your media in the bed and not in your sump tank
- Air diffusers are provided for the floating tank as well as the fish tank for more uniform distribution of dissolved oxygen in the system
- All sections of the system have emergency overflow pipes in case of blocked drainage lines
- All tanks have drain spigots equipped for hose attachment to drain water to desired location

200 gallon black FDA approved food grade fish tank 36” diameter x 48” tall

- Thick walled and rugged single piece construction, no seams
- Opaque and blocks light through tank wall limiting growth of algae
- No contamination
- Long life in direct or filtered sunlight
- Small footprint with large capacity

300 gallon light gray FDA/NSA approved BPA free crop tanks with UV inhibitors 53 ½” x 86” x 18 ¼ ”

- Thick walled and rugged single piece construction, no seams
- Opaque and blocks light through tank wall limiting algae growth
- No crop contamination
- Long life in direct or filtered sunlight
- 32 SQFT of growing space or up to three 2’ x 4’ Styrofoam floating rafts

Life Guard Pump Model 3000

- Great quality, efficient, quiet, and dependable performance
- Easily disassembled to remove debris from filter for constant full capacity of water flow

Aerator AP-1300

- Efficient, quiet, and trouble-free operation
- Maintains high dissolved oxygen levels throughout system

Support Frame Kits

- Strong and well supporting of polyethylene grow tanks
- Galvanized steel construction for strength and longevity
- Easy assembly

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 bleach or chlorine tablets 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 shutdown.

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.

How to Prepare Your Greenhouse for a Hurricane

Jāderloon® frame

Competitor frame

In Fall of 2017 Hurricane Irma hit South Florida and a large farm near Ft. Meyers. Both of these greenhouses recorded sustained winds of over 140 MPH. While losing most of its poly covering, the Jāderloon® frame was essentially undamaged while 100 yards away the competitor's house was a total loss.

Our Engineer compiled the following list of suggestions assuming the worst-case scenario of extremely high winds from Hurricanes. The extent of the preparations will depend on your location and will ultimately be a judgement call on your part.

Close roof and any other type of vents. Turn off fans and shutters. To reduce the chance of a fire starting, turn off the main breaker. Cutting plastic is a big judgment call. If the winds are high enough the plastic may come off with no damage to frame, but there is no way to know for sure. If the shade cloth is expensive, you may want to remove it since it is not attached as well as the plastic.

1. Close all venting equipment

2. Turn off power.

3. Turn off water.

4. Remove smaller objects from area that could blow into greenhouse.

5. Secure greenhouse doors.

6. Remove shade cloth or add more ropes to keep it in place.

7. If greenhouse has any exposed glass, cover with wood panels.

8. Tall heater vent pipe stacks should be removed if not properly braced.

9. Be sure brace cables are tight and secure.

10. Hanging basket plants should be placed on floor or removed.

11. Make sure inflation blower damper is wide open for maximum inflation in polyethylene.

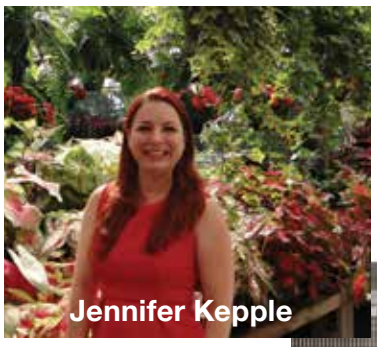
12. Any outdoor motors can be covered with plastic because of extra heavy rains.

13. Heaters, HAF fans, electrical boxes can all be covered with plastic in case the cover blows off.

Please contact us if you have any questions or problems 800-258-7171.

Our Staff

Judy Moore

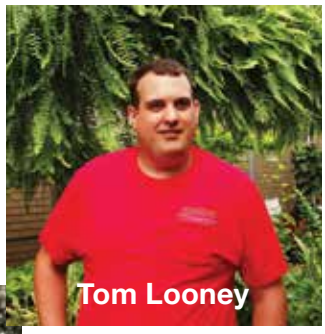

Jennifer Kepple

Leigh Dodd

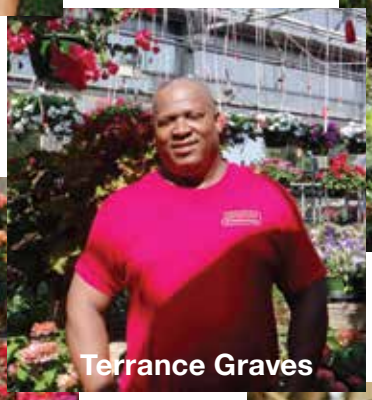
Don Looney, Jr.

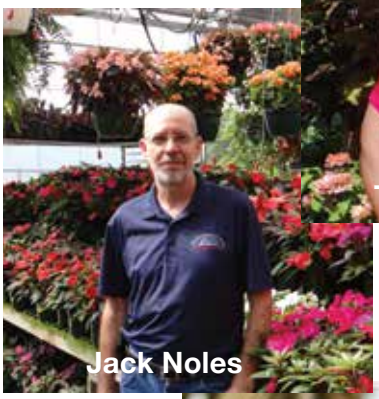
Devon Noller

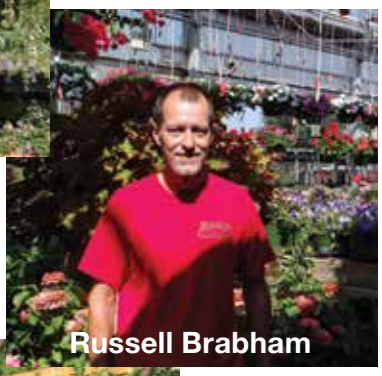
Mark McLane


Tom Looney

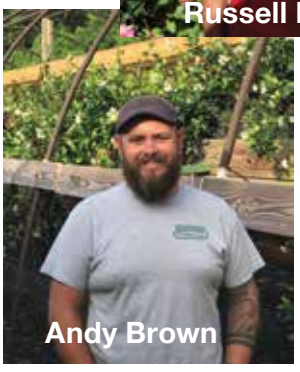
Mike McCaw

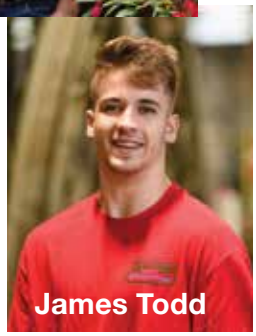

Terrance Graves


Jack Noles


Russell Brabham

Ashton Johnson


Andy Brown


James Todd

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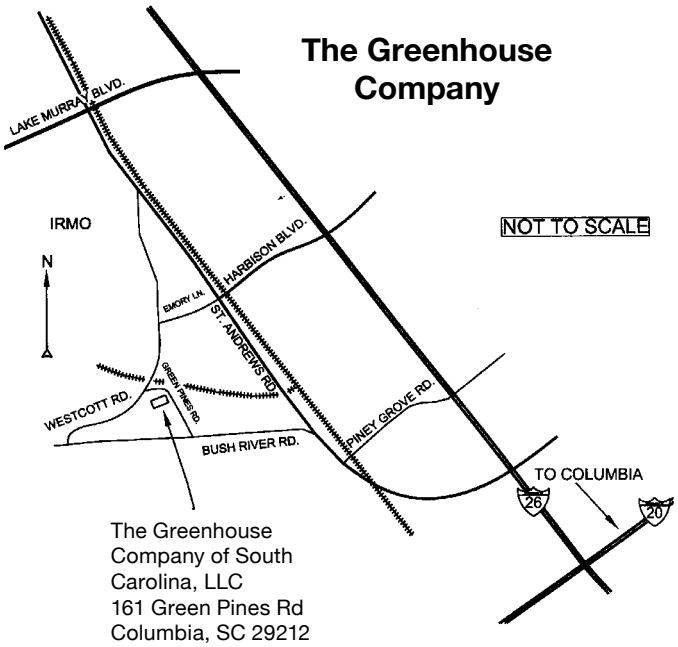
Directions



The Greenhouse Company of South Carolina, LLC
161 Green Pines Rd
Columbia, SC 29212

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. The Greenhouse Company 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. The Greenhouse Company is on the left.

Terms, Conditions & Warranty

The Greenhouse Company's Terms and Conditions

Payment: Payment should accompany all orders. You may pay by check, cash, credit card.

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 The Greenhouse Company within 30 days after receiving shipment.

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

The Greenhouse Company of South Carolina, 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 Irmo, SC factory. This warranty is limited to twenty-four 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.

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 is required on most of The Greenhouse Company of South Carolina, LLC products.

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

800-258-7171
803-798-6584 (fax)
TheGreenhouseCompany.net

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