



DRAMM[®]

COMMERCIAL SOLUTIONS

Integrated Plant Health

The Dramm Corporation got its start in 1941 when growers commented to florist and inventor, John Dramm, that they had no good way to water their plants. John's solution was to develop the Aluminum 400 Water Breaker® Nozzle, still the standard in hand watering tools across the world today. This spirit of innovation and commitment to a solution continues today at Dramm. With every product Dramm produces, the intent is to provide the best solution to our customers. From the beginning, Dramm has focused on technical products that affect plant growth. Each of these systems overlap. Combining an expertise in greenhouse systems produces a better overall result. This approach is something we call Integrated Plant Health.

Look for Dramm to continue to offer innovative products. With your input, we are able to develop the next generation of solutions for the needs of the industry.

Dramm Commercial Team

Kurt Becker

Central US Region
920.645.6417
kbecker@dramm.com

Jared Babik

Northeast US Region
724.272.7975
jbabik@dramm.com

Al Zylstra

DRAMMwater
425.583.9416
azylstra@dramm.com

Russell Blackwell

Southeast US Region
251.342.9719
rblackwell@dramm.com

Louis Damm

Canada
905.892.5644
ldamm@dramm.com

Les Evans

DRAMMwater
919.607.8842
levans@dramm.com

Tim Reusch

Western US Region
206.351.4460
treusch@dramm.com

Andrew Damm

Canada/Irrigation Design
905.892.5644
adammm@dramm.com

Phil Krcma

Service Manager
920.684.0227
pkrcma@dramm.com

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Watering Tools

400AL WATER BREAKER® NOZZLE



Original professional nozzle. Crafted of cast aluminum and brass. Gentle, full flow at 11.1 gpm*



170AL WATER BREAKER® NOZZLE



Crafted of cast aluminum and brass. Narrow pattern for containers/baskets or low pressure systems. Flow at 7gpm*



1000PL REDHEAD® NOZZLE- medium



Softest full flow available. Water plugs or seedlings. ABS plastic & stainless steel with over 1000 micro-holes. Medium pattern with flow at 8 gpm*



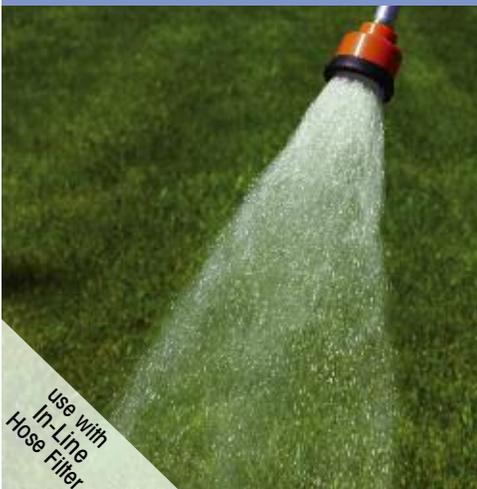
1000PL-N NOZZLE- narrow



Softest full flow available. Water plugs or seedlings. ABS plastic & stainless steel with over 1000 micro-holes. Narrow pattern. Flow at 8 gpm*



1000PL-W NOZZLE- wide



Softest full flow available. Water plugs or seedlings. ABS plastic & stainless steel with over 1000 micro-holes. Wider pattern with flow at 8 gpm*



750PL LEMONHEAD® NOZZLE



Soft full flow watering- great when other nozzles have too much flow. ABS plastic & stainless steel with 750 holes create a soft shower at 8 gpm*



 operational video available online

* water output measured at

Watering Tools

480AL WATER BREAKER® NOZZLE



Narrow pattern for edge watering. Cast aluminum & stainless steel with over 480 micro holes. Gently waters at 7 gpm*



480PL WATER BREAKER® NOZZLE



Narrower pattern for edge watering. ABS plastic & stainless steel with over 480 micro holes. Gently waters at 7 gpm*



400PL WATER BREAKER® NOZZLE



Professional's lightweight alternative to the 400AL. ABS plastic & stainless steel. Gentle, full flow at 11.1 gpm*



170PL WATER BREAKER® NOZZLE



Professional's lightweight alternative to 170AL. ABS & stainless steel. Narrow pattern for containers/baskets, or low pressure. Flow at 7 gpm*



PLASTIC FAN NOZZLE- commercial



Rectangular shape for seedling trays and flats. Corrosion-proof head. Medium flow at 5-7 gpm*



350PL SCREEN-AIRE™



Water large, or nursery containers with increased speed. Gentle, concentrated, aerated flow at 18 gpm*



* water output measured at 40psi

Watering Tools

610SF FOGG-IT® NOZZLE- super fine



Mist delicate seedlings, raise humidity around wilting plants. Three mist jets create a conical pattern at 1/2 gpm*



610F FOGG-IT® NOZZLE- fine



Mist delicate seedlings, raise humidity around wilting plants. Three mist jets create a conical pattern at 1 gpm*



610L FOGG-IT® NOZZLE- low



Mist delicate seedlings, raise humidity around wilting plants. Three mist jets create a conical pattern at 2 gpm*



610H FOGG-IT® NOZZLE- high



Mist delicate seedlings, raise humidity around wilting plants. Three mist jets create a conical pattern at 4 gpm*



510 BRASS SEEDLING® NOZZLE



Water fragile plants, seedlings, or cuttings. Produces an extra fine, hollow "cone mist pattern" at 1/2 gpm*



540 BRASS ROSE



Water bedding plants, pots or market packs. Extra wide spray increases hand watering speed with 18-20 gpm*

protective rubber guard & Metric-to-Inch hose thread converter

operational video available online

www.dramm.com

ORDER: 920.684.0227

* water output measured at 40psi

FAX: 920.684.4499

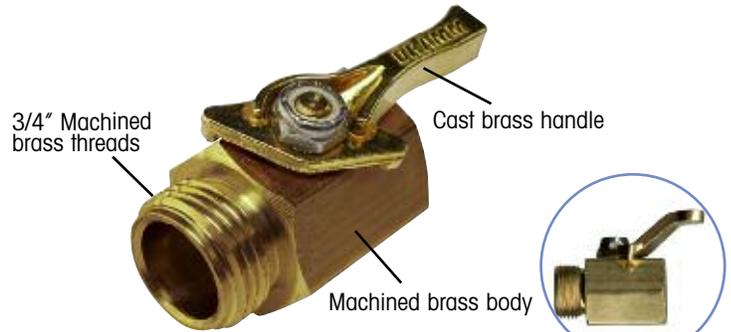
Watering Tools

ONE TOUCH™ HIGH FLOW VALVE



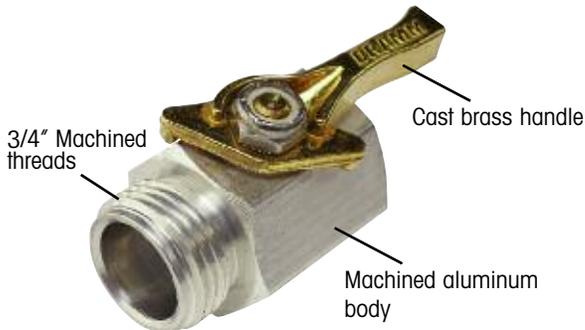
Fingertip water control. Zinc die-cast body & nylon valve components for long life. Designed for precision water flow.

300 BRASS SHUT-OFF- high flow



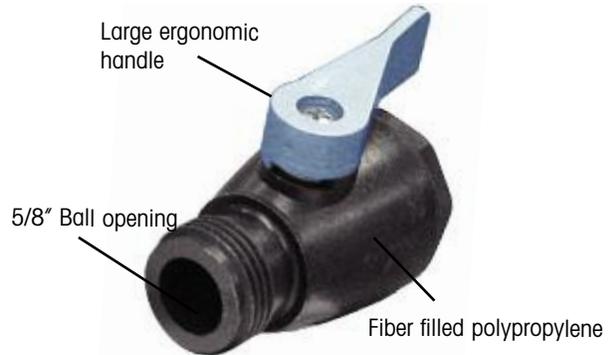
The Brass shut-off offers unmatched durability and full flow. Designed with replaceable internal components and a 1/2" ball opening.

300AL ALUMINUM SHUT-OFF- high flow



The Aluminum shut-off offers unmatched durability in lightweight, fatigue reducing aluminum. Same internal components as the 300 Brass.

74 SHUT-OFF- high flow



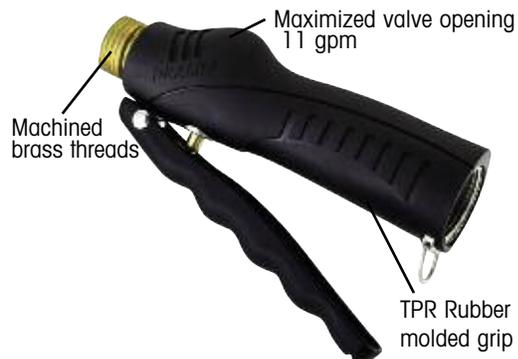
Ultra heavy duty, lightweight valve with 5/8" ball opening for full water flow. Designed for all day use.

35 SHUT-OFF- medium flow



The 35 shut-off is lightweight and made of durable ABS plastic for everyday use. Larger valve opening and higher flow than comparable valves.

65 TOUCH 'N FLOW PRO™ - medium flow

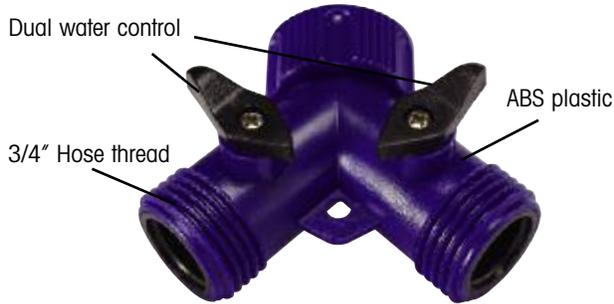


Durable trigger style brass & nylon valve. Heavy-gauge wire latch reduces hand fatigue, higher flow rate works well with 400 Water Breaker™ Nozzle.

* water output measured at 40psi

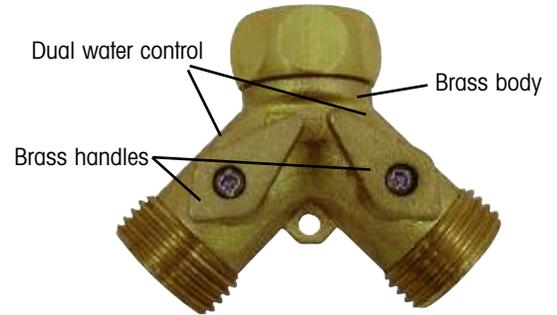
Watering Tools

235 TWIN SHUT-OFF- low flow



Water two places at one time. Durable, light-weight ABS body & handles with 3/4" male and female hose thread.

235B TWIN SHUT-OFF BRASS- low flow



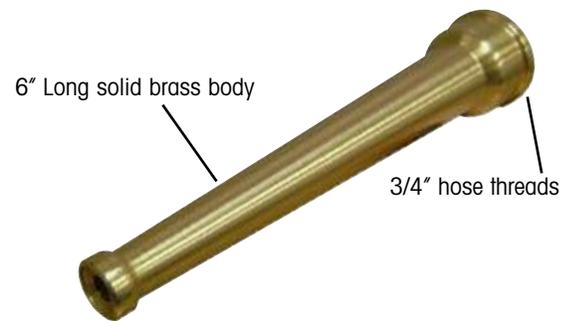
Water two places at one time. Heavy duty brass body & handles with 3/4" male and female hose thread.

800 ADJUSTABLE NOZZLE



Solid brass adjustable nozzle. Traditional styling with twist barrel to adjust water from fan to cone to powerful stream. Great cleanup nozzle.

600 LONG BRASS NOZZLE



Solid brass wash nozzle provides a strong, direct flow to clean surfaces. This durable nozzle is made from machined brass, to last.

IN-LINE HOSE FILTER



80 Mesh nylon filter eliminates dirt, debris & nozzle clogging. Use with any Dramm Water Breaker® nozzle to eliminate clogs.
*200 mesh also available

BRASS HOSE SWIVEL

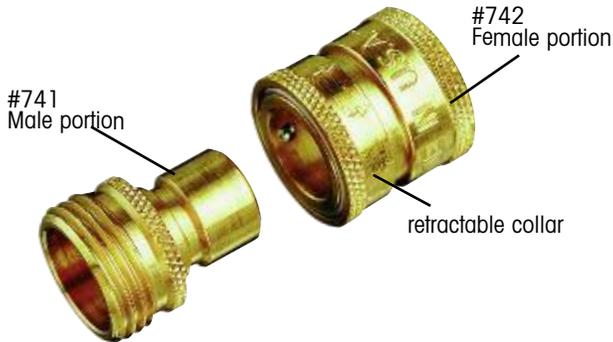


Brass swivel works under pressure & allows hose-end accessories to turn independently of hose. Commercial duty for every watering need.

* water output measured at 40psi

Watering Tools

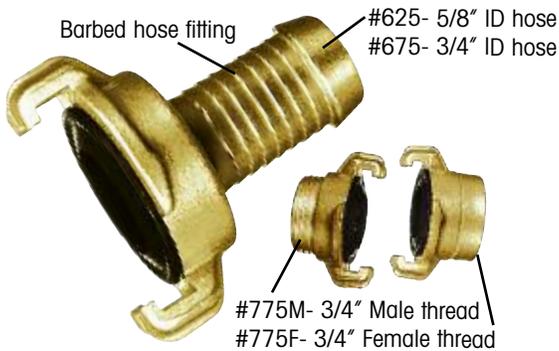
BRASS DISCONNECT



Heavy duty brass quick disconnect available as male, female, or pair (#740). No more turning! Pull collar back to quickly connect or disconnect accessories.

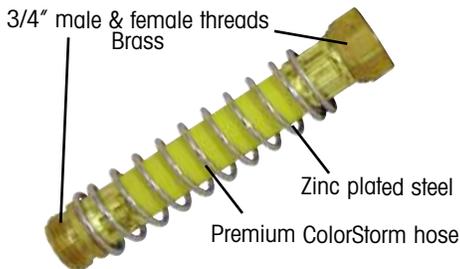
Stopper version available: #743

BRASS TWISTY QUICKS™



1/4 Turn Disconnect for use with blunt cut hoses. Makes any threaded hose connection easy to couple/uncouple. Forged brass.

HOSE PROTECTOR



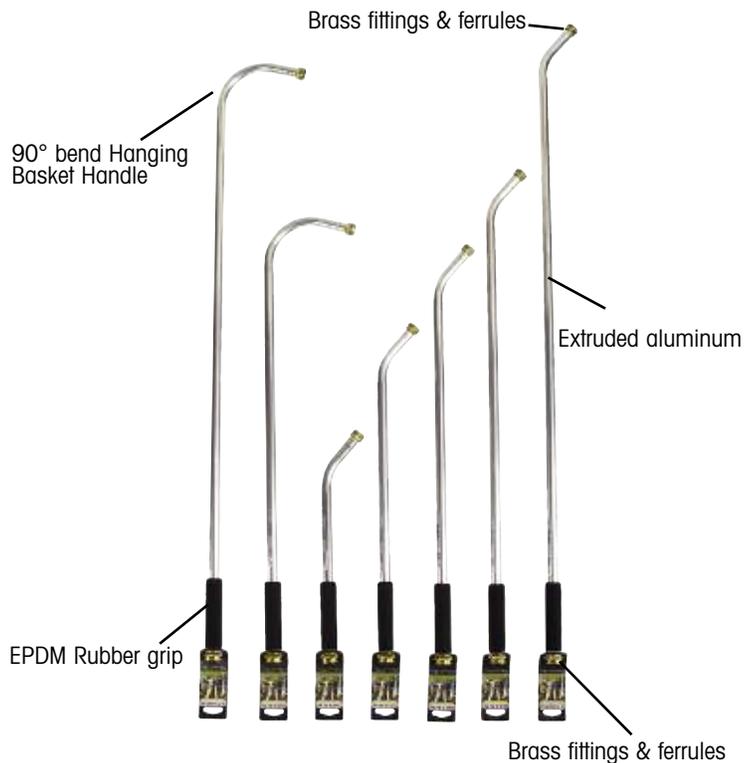
Quickly connects between faucet and hose to save hose ends from stress & strain. Prevents hose-end kinking & damage to couplings.

TWISTY QUICK™



Quick hose connection made of super tough DuPont® nylon. Eliminates the hassle of connecting and disconnecting hose & hose-end accessories. Pairs only.

HANDI-REACH™ or HANGING BASKET HANDLE



Eliminate stretching & stooping associated with hand watering. Compatible with any Dramm nozzle. Multiple lengths available.

- 90° Bend Waters Hard-To-Reach Hanging Baskets Easily
- Compatible with 170 Water Breakers for Basket Watering

Watering Tools

SWISS WATERING CANS



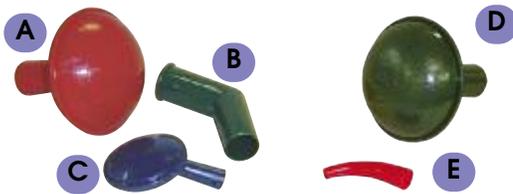
Professional watering cans with superior design & durability. 10 Liter (2 1/2 gal) Swiss made can with elbow. Red or Green.

U.S.A. 2, 5, & 7 LITER CANS



Professional watering cans with superior design & durability. American made can available in Red, Orange, Yellow, Green, Blue and Berry. 2 Liter (1/2 gal), 5 Liter (1 1/3 gal), 7 Liter (1 3/4 gal).

REPLACEMENT ROSES



A. 10 liter Rose B. 10 Liter Spout C. 2 Liter Rose D. 7 Liter Rose E. 2 Liter Spout



HANGING BASKET REMOVER



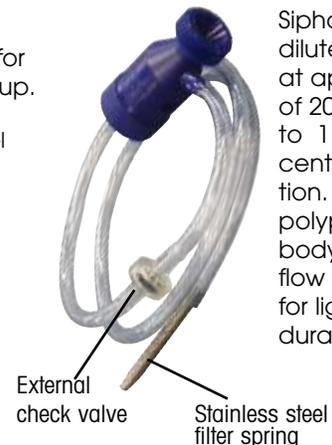
10" Ring conveniently removes hanging baskets from above. 8" or 12" Rings also available. Basket remover rod available in 3', 5', or 7 ft.

PICK-UP STIX™



Jumbo tweezers for litter pick up. Aluminum Plated steel w/Comfort Grip

SYPHONJECT™



Siphon mixer dilutes mixtures at approx. ratio of 20 parts water to 1 part concentrated solution. Filled polypropylene body, w/back flow preventer, for lightweight durability.

ColorStorm Hose

Dramm ColorStorm™ Professional Hose delivers the same quality you have come to expect from Dramm watering tools.

Dramm ColorStorm Professional Rubber Hose is made from EPDM rubber for a "crackless" hose cover that is resistant to abrasion and weathering. This reinforced hose is hexagonal in shape to reduce kinking. The design of the hose allows a user to easily pull free any kinks that may occur. Our hexagonal Sure-Grip™ cover creates a softer surface for a more comfortable grip.

Each hose has crush-proof, nickel plated, brass fittings for an exact fit that will survive years of use. Finally, to enhance visibility, ColorStorm-Professional Rubber Hose is bright yellow to prevent tripping.



5/8" or 3/4" Diameter for full water flow. Available in multiple lengths with custom lengths available. 130 psi working pressure.

Make Your Own Lengths

with Dramm custom fitting equipment and bulk hose.

Bulk Hose



Dramm Press



Hose Swivel



Fittings



Sure-Grip™ Technology

- Durable, Abrasion Resistant Cover
- Increased Comfort



Crush-Proof Fittings

- Nickel Plated Brass Couplings
- Corrosion Resistant
- Crush Proof



Kink Resistant

- Coils Easily
- Flexible to -25° F



Hot Water Resistant to 160°F



Bright Yellow for Visibility



Says "Don't Trip"

ColorStorm™ Soaker Hose

Professional grade rubber soaker hose available in multiple lengths. Thicker wall prevents "geyser" effect and promotes even watering from beginning to end of hose.



Retail Products

Dramm offers the same professional quality products, in retail packaging, for sale in your store. Offer your customers the same quality you rely on to use in their gardens.

Our products are minimally packaged on unique, easy to assemble and position, mobile displays. Each display combines an assortment of product in a small footprint to maximize your square foot sales.

Dramm offers a variety of watering tools, our ColorStorm hose, and a series of cutting tools in an assortment of colors.

Contact us for a complete Retail Catalog.



60114 Watering Tools



65085 Sprinklers/Hose



60094 Watering Tools



400 Water Breaker® Nozzle



ColorMark™ RainWand™



www.dramm.com



Garden Apron



ColorPoint™ Pruner



Revolution™ Thumb Controlled 9-Pattern Spray Gun

ORDER: 920.684.0227

FAX: 920.684.4499

Apron

Create uniformity and show your colors with Dramm's ColorWear™ aprons. Our durable canvas aprons are perfect for working in the greenhouse.



- Generous Tie Length to Ensure Proper Fit
- PVC Mesh Pockets for Convenience, Durability, Breathability
- 100% Cotton is Lightweight, Breathable & Machine Washable
- Zippered Center Pocket to Conveniently empty contents
- Reinforced Pocket to Prevent Wear



Carry



Store



Empty

ADD YOUR LOGO



Dramm can embroider your logo onto your apron. Contact us for quantity and options.



DRAMMwater

Increase dissolved oxygen while protecting your plants and keeping your water clean. Dramm can design a complete water treatment solution; from the source to the plants. A properly designed system can increase production, reduce shrink, prevent pathogens and improve plant health.



Healthy water is paramount to plant growth. By improving the health of your water, you can improve the health of your plants. DRAMMwater was established to not only clean your water, but to make it healthier. Clean water can protect your plants and equipment. Healthy water can increase production and reduce shrink.

DRAMMwater™ provides complete solutions including pond aeration, deep media and other filtration, ozone, bio-remediation, water storage, water pumping and recirculating systems. By combining our more than 70 years of experience with technology from a number of vendor-partners, DRAMMwater is able to improve the health of any water.

Talk with our water treatment specialists to develop a comprehensive plan for your facility.

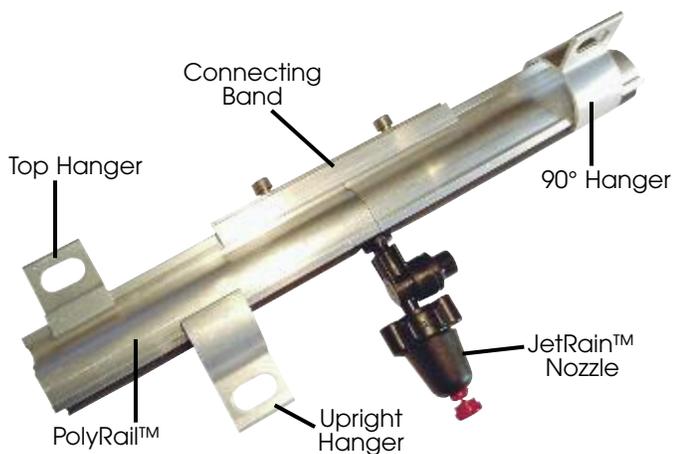
Irrigation Systems

Let Dramm Design Your System – Online Form Available

Dramm has been the leader in watering your plants since 1941. Traditionally, Dramm has offered irrigation system components to water your plants. Now Dramm not only offers the individual components but the expertise to ensure it is designed correctly and the fittings, pipe and components necessary to do the job right.

Building on years of experience, Dramm has perfected several distribution systems that complete the system. Each Dramm distribution system combines unique features with specific fittings and components and knowledge of irrigation best management practice to create the perfect system.

Let Dramm help you design the perfect irrigation system.



DRAMM POLYRAIL™

A key component of our unique distribution system is the Dramm PolyRail™. PolyRail is a lightweight aluminum extrusion used for supporting irrigation polyethylene tubing. Dramm PolyRail is incredibly strong due to the patented I-Beam construction. The I-Beam "Rail" adds strength as well as a point for connecting the PolyRail to one of the many hanging or connection pieces available with the system.

Dramm PolyRail™ is easy to install. Unlike "C" channel aluminum extrusions where the PE tubing must be pulled through the extrusion, installing PE tubing is a snap. Simply push the PE tubing into the opening and it securely snaps into place.

Dramm PolyRail can be hung easily providing a rigid, perfectly straight line for your nozzles. With no twisting or sagging, your nozzles and your irrigation pattern remain level and even. PolyRail perfects your irrigation system.

Use the PolyRail with our barbed JetFog™ or JetRain™ nozzles and even or barbed PCAS drippers for the perfect system.



DRAMM POLYRAIL™ BENCH RISER



Dramm PolyRail™ Bench Risers combine the ease of installation of our PolyRail and our JetRain™ or JetFog™ nozzles to mist or irrigate rolling benches. A typical problem with misting rolling benches is that nozzles are fixed to the structure. As the benches roll, the plants move in relation to the mist system, causing poor coverage. With our PolyRail Bench Risers, the mist system is fixed to the bench, ensuring that the proper coverage is matched to the plants, even when the bench moves. Available in different heights.

- Fixes Nozzles to Rolling Benches
- Easy to Install
- Available in Different Heights
- Sold as Complete Kit

Irrigation Systems

Item #: ALU25 – 25 mm

Item #: ALU16 – 16 mm

PE Tube Diameter: High density 16mm

PE Tube Diameter: High density 25mm

standard length: 12 ft

Item #: Item #: ALU502H Top Rail

Item #: ALU500PH 90* Hanger

Item #: ALU 50135

Item #: ALU 501CB

Item #: ALU 541S

Item #: ALUSC cap

Item #: ALUS base

Item #: _ _ CUTTUBE specify 24, 36, or 48"

POLYRAIL™

- Patented Aluminum Extrusion Supports PE Tubing
- Easy to Install
- Keeps PE Lines Cool
- Eliminates Sagging of PE Lines
- Can be Hung a Variety of Ways
- Specialized Punch Tool Centers Holes Perfectly



HANGERS

- Easy Connection for Hanging PolyRail
- Top Rail Used to Hang Rail with Opening Downward
- 90* Positions Opening at Side
- Upright Hanger



14" CONNECTING BAND

- Connects PolyRail Together
- Use When Extra Support is Required or to Cover Open Spaces in PE Tubing



CONNECTING BAND

- Connects PolyRail Together
- Slides on Rail
- Set Screws Provide Secure Connection



STOP

- Use at End of Line
- Prevents Hangers from Slipping Off Rail



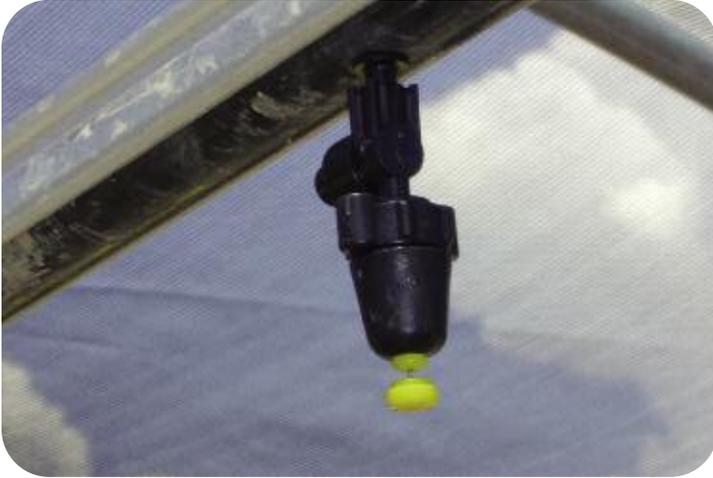
POLYRAIL BENCH RISER- cap/base/tube

- Fixes Irrigation System to Bench
- Perfect for Rolling Benches
- Different Heights Available



Irrigation Systems

Let Dramm Design Your System – Online Form Available



DRAMM JetRain™ NOZZLE

Dramm JetRain nozzles offer a variety of options for misting and irrigating your plants. These pin-style nozzles offer unmatched evenness of coverage. With multiple configurations, the JetRain™ nozzles can work with low or high pressure systems, be rigidly mounted in PVC or galvanized pipe or barb fitted into flexible PE tubing. Combine the JetRain nozzles with Dramm PolyRail™ for an easy install system that remains rigid.



There are four JetRain nozzles to choose from: White, Blue, Red and Yellow. Each has a different flow rate and width of pattern.

- **Unmatched, Even Coverage**
- **Easy to Install**
- **Variety of Patterns**
- **Variety of Installation Options**



Use the White and Blue JetRain nozzles for even misting. Both the White and Blue JetRain nozzles have the same flow rate. However, they have a slightly different rise in the spray pattern. The result is less collision at the mid-point between nozzles when these nozzles are alternated in an installation.

Use the Red and Yellow JetRain nozzles for heavier irrigation. With larger coverage areas and spacing, the Red and Yellow JetRain nozzles are perfect for watering flats, pots, and even large containers.

 *operational video available online*

Irrigation Systems

Item #: JRLPC-B- __ (specify color)

specs: Barbed JetRain

Item #: JRLPC-T- __ (specify color)

specs: Threaded JetRain

see below chart for output rate

individual components available-
consult commercial price list

Item #: JRLPC180-B- __ (specify color)

specs: Barbed 180 JetRain

Item #: JRLPC180-T- __ (specify color)

specs: Threaded 180 JetRain

individual components available-
consult commercial price list

Item #: HNA- - __ (color)

variable lengths available

see below chart for output rate

Item#: ALBR-15-JR-(specify color)

Item#: ALBR-20-JR-(specify color)

see below chart for output rate

JetRain™ NOZZLE

- Four Different Patterns and Flow Rates (see below)
- Nozzles for Propagation or Overhead Irrigation
- Operates Between 15 – 50 psi
- Press Fit Check Valve
- Pressure Compensated
- Barbed or 3/8"WW Threaded Connection
- Use Alone or Combine with Risers or Hangers



180° JetRain™ NOZZLE

- Five Different Flow Rates- specify color
- Propagation & Overhead Irrigation
- Operates Between 15 – 50 psi



HANGING NOZZLE ASSEMBLY

- Hangs Below Baskets
- Perfect for Overhead Irrigation or Propagation
- Uses JetRain Nozzles
- Variable Lengths Available- 36", 43", or 60"
- Four Different Patterns and Flow Rates



ALUMINUM BENCH RISER

- Mounts Easily on Expanded Metal Benching
- Alternating Heights (15" & 20") for Best Coverage
- Use with JetRain Nozzles
- Complete Assembly, Ready to Install
- Aluminum Construction
- **Perfect for Rolling Benches**



Nozzle Color	Application	Flow Rate at 15 – 50 psi	Spacing	Height Above Crop		Coverage
				Upright	Inverted	
Blue	Prop/Mist	.48 gpm / 1.8L/min	24" – 40"	15" – 36"	30" – 48"	7' max
White	Prop/Mist	.48 gpm / 1.8L/min	24" – 40"	15" – 36"	30" – 48"	7' max
Red	Fine Water	.79 gpm / 3.0L/min	48" – 72"	n/a	48" – 96"	11' max
Yellow	Watering	1.37 gpm / 5.2L/min	48" – 72"	n/a	48" – 96"	18' max

Irrigation Systems

Let Dramm Design Your System – Online Form Available

DRAMM JETFOG™ NOZZLE



Dramm JetFog™ nozzles produce a fine fog (80 μ) at pressures between 50 – 60 psi. This fog can be used for evaporative cooling as well as humidity or even propagation mist.

Like the JetRain™ nozzles, Dramm JetFog nozzles are either barbed or threaded allowing for a variety of installation options. When used with Dramm PolyRail™, JetFog nozzles make an easy to install mist system for cooling or humidity. Combine this system with the Dramm MistTime™ for the perfect cooling or misting system.

JetFog nozzles are available in either a single outlet or a 4/5 way outlet. The single nozzles are perfect for cooling or humidity systems, while the multiple outlet nozzles are better for propagation.

When used for propagation, the JetFog nozzles add humidity to the air without too much moisture accumulating on the plants.



- Fine 80 μ Fog
- Perfect for Cooling or Humidity
- Easy to Install
- Variety of Installation Options

Irrigation Systems

Item#: JFS-T Threaded

Item#: JFS-B Barbed

Flow Rate: 5.8 lph

Spacing: variable to conditions & use

Operating Pressure: 50 - 60 psi

JETFOG™ NOZZLE

- Low Pressure Fog Nozzle
- Great for Cooling and Humidification
- 80µ Particle Size for Fine Fog
- Operates Between 50 and 60 psi
- Barbed or 3/8" WW Threaded Connection
- Built-in Check Valve
- Pressure Compensated
- Silicone Diaphragm



Item #: JFS-T4 (Threaded)

Item #: JFS-B4 (Barbed)

Flow Rate: 23.2 lph

Item #: JFS-T5 (Threaded)

Item #: JFS-B5 (Barbed)

Flow Rate: 29 lph

Operating Pressure: 50 - 60 psi

JETFOG™ 4-WAY or 5-Way

- Use for Propagation or Cooling
- Available Barbed or 3/8" ww Threaded Connection
- 4 or 5 Outlets Available (specify)
- Silicone Diaphragm



JETFOG™ for Propagation



Irrigation Systems

Let Dramm Design Your System – Online Form Available



DRAMM PRESSURE COMPENSATED DRIP SYSTEM

Dramm PCAS Drippers evenly water your plants. Drip irrigation eliminates moisture on the leaves reducing disease pressure. Our PCAS drippers are perfect for any hanging basket or pot irrigation system. Dramm Pressure Compensated Drippers are available as a single basket dripper or as a multi-outlet dripper for pot watering.



Our single basket drippers utilize our patented zinc-aluminum weight to keep the dripper in the pot. This unique weight won't catch on your plant or basket hanger at harvest.

Using chemical resistant silicone to regulate the flow, our PCAS drippers will last for years without damage from injected acid and fertilizers in your water. Additionally, our silicone diaphragm allows for a greater range of pressure compensation. Dramm PCAS drippers operate between 15 and 60 psi often eliminating the need for pressure regulators.



- Every Plant Gets the Same Amount of Water
- Slim Weight Won't Catch on Baskets, Easy-to-Harvest
- Silicone Diaphragm Lasts Longer than Rubber
- Greater Range of Pressure Compensation 15-60 psi

 *operational video available online*

Irrigation Systems

Item#: PCAS2L- 2lph (0.5 gph)
Item#: PCAS4L- 4lph (1 gph)
Operating Pressure: 15 - 60 psi

PCAS EMITTER

- Pressure Compensated Emitter
- Silicone Diaphragm for Longer Life
- Double Cone Lock Barb for Secure Fit
- Three Entry Points into Labyrinth Prevent Clogs
- Use with PCAS Weight (individual) or Stake
- Two Different Flow Rates Available
- Larger Body & Larger Labyrinth for Less Clogging



Item #: PCAS-W

PCAS LOW FLOW WEIGHT- PCAS-W

- Barbed Connection for Secure Fit
- Slim Design for Easy Placement and Harvesting
- Zinc/Aluminum Alloy - No Lead
- Dual Port for Even Output
- Compatible with Other Systems
- Patented Design



complete basket assembly

Item #: PCAS 4L- 4 lph (1 gph)
Item #: PCAS 8L- 8 lph (2 gph)

PCAS EMITTER BARREL

- Pressure Compensated
- Two Different Flow Rates Available
- Silicone Diaphragm for Longer Life
- Double Cone Lock Barb for Secure Fit
- Three Entry Points into Labyrinth Prevent Clogs
- Use with 2 & 4-Way Manifolds & Labyrinth Stakes for Multi-Outlet Use



Item #: LST-45
Item #: LST4-45
Item #: ST-45 Barb Stake

STAKES

- Labyrinth Stake for Multi Outlet Systems
- Available Without Labyrinth for Single Emitter to Container
- 45° Angle Connection
- Barbed Connection for Secure Fit



Item #: MAN1 1 outlet adpt
Item #: MAN2 2 outlets
Item #: MAN4 4 outlets

MULTI-OUTLET MANIFOLDS

- 1, 2 or 4 Way Output
- Fits PCAS with Barrel Style Outlet
- Low Profile Prevents Breakage
- Durable Construction and Design



Irrigation Systems

Let Dramm Design Your System – Online Form Available



VALVE TREE MANIFOLD

- Pre-engineered Solution to Drip Irrigation Headers
- Includes all Fittings and Connections
- Includes Hand Valve, 150 Mesh Filter & Pressure Regulator
- Optional Solenoid Valve
- Easy to Install- Just Connect Supply Line and PE Lines
- Provides Easy Access to Individual Line Valves
- Easy to Maintain- Union Allows Access to Threaded Components



MUM MANIFOLDS

- Re-Engineered Solution to Field Crop Drip Headers
- Includes all Fittings and Connections
- Easy to Install- Just Connect Supply Line and PE Lines
- Available with Unique Metered Flow Valve
- No Power Required
- Available in 6 and 12 Outlet Model

Item #: MMV-6 (6 outlet only)

Specs: 6 Outlet Manifold

Item#: MMV-12 (12 outlet only)

Specs: 12 Outlet Manifold with



Irrigation Systems

Item #: SVB075 - 3/4" no flow control
Item #: SVB075-M - 3/4" w/flow control
Item #: SVB100 - 1" no flow control
Item #: SVB100-M - 1" w/flow control
Item #: SVB150-M - 1.5" w/flow control
Item #: SVB200-M - 2" w/flow control
Power Requirements: 24v AC 1.7 watts
Operating Pressure: 10 - 150 psi

PROFESSIONAL SOLENOID VALVES

- Fast Acting Valve- Great for Misting Systems
- Extremely High Flow Rate with Low Head Loss
- Operates at Very Low Flow Rates
- Available with or without Flow Control
- Manual Override for Easy Operation
- Available in 3/4" and 1" Models
- Heat Tolerant to 80°C (176°F)



Item#: MTA300 0.5 - 9 gpm
Max Output: 300 gal max output

METERED VALVE

- Delivers a Pre-Set Quantity of Water Before Shutting Off
- Select Variable Quantities of Water by Turning the Dial
- Available in 300 Gallon Maximum Quantities
- No Power Required- Perfect for Outdoor Use
- Available in 1" NPT



Item #: PRV-075-P 3/4" Direct Acting
Item #: PRV-075-P05 3/4" Dir. Act
Spec: Direct Acting Regulator, Low Flow
Item #: PRV-100 1" Direct Acting
Item #: PRV-100-M
Spec: Direct Act. Reg. & Shut-Off Valve
Item #: PRV-150R 1.5" Direct Acting Reg.

PRESSURE REGULATOR

- 3/4" Pressure Adjustment Range 7 - 85 PSI
- Pressure Indicating Springs YEL 7-20 PSI, WHT 12-35 PSI, RD 28 -60PSI, BLK 50-85PSI
- Max Inlet Pressure 125 PSI
- 1" Pressure Adjustment Range 7 - 80 PSI
- Pressure Indicating Springs WHT 7-18 PSI, RD 14-28 PSI, BLK 20-50 PSI, NAT 40-80 PSI
- Max Inlet Pressure 125 PSI
- 1.5" Pressure Adjustment Range 7 - 80 PSI
- Pressure Indicating Springs WHT 7-18 PSI, RD 14-28 PSI, BLK 20-50 PSI, NAT 40-80 PSI
- Max Inlet Pressure 125 PSI



Item #: SVB150-NP55M
Specs: 1.5" Pres. Reduce w/Flow Control
Item #: SVB200-NP55M
Specs: 2" Pres. Reduce w/Flow Control

PRESSURE REGULATOR VALVE

- Accurately Maintains Constant Pre-Set Downstream Pressure Regardless of Changing Upstream Pressure or Flow
- Adjustable Ranges 7 - 85 PSI
- Manual Override



 operational video available online

www.dramm.com

ORDER: 920.684.0227

FAX: 920.684.4499

Irrigation Systems

Let Dramm Design Your System



FITTINGS

Dramm offers all the components necessary to plumb an irrigation system. Components include easyloc fittings, barbed fittings, elbows, tees, in-line valves, threaded adapters and end closures.

• *see price list for complete selection*



DRAMM QUICK PUNCH

- Centers Hole Without Flattening PE Tubing
- Easy, One Hand Operation
- 3mm Blade Fits All Barbed Dramm Products
- Available in Different Sizes

Item #: PUNCH1650

Tubing Size: 16mm & 1/2" PE tubing

Item #: PUNCH75100

Tubing Size: 3/4" & 1" PE tubing



MIRACLE PUNCH

- Adjustable: Supports PE Sizes from 16mm to 1.25"
- Easy, One Hand Operation
- Centers Hole Without Flattening PE Tubing
- 3mm Blade fits All Barbed Dramm Products

Item #: ML-AMP-3



FILTERS

- Protects Irrigation Systems From Clogging
- Screen and Disc Filters Available
- 150 Mesh Standard, 200 and 300 Mesh Available
- Variety of Pipe Sizes

For sizes and flow rates see our price list or individual product card



PRESSURE REGULATOR

- Reduce Pressure to Compensated Systems
- 40 psi Standard
- Other Pressures Available from 10 - 40 psi
- Variety of Pipe Sizes

Item#: PR075M40 - 3/4" pipe thread

Operating Pressure: 40 PSI

Item#: PR100M40 - 1" pipe thread

Operating Pressure: 40 PSI

Item#: PR125X1H40 -1.25" pipe thread

Operating Pressure: 40 PSI (high flow)



KWIK KLAMP

- Easy Installation & Removal of Pipelines
- Hinged Clip Locks Shut when Closed on Larger Sizes
- Opens to Remove or Replace Pipelines
- Chemical Resistant Polypropylene
- Use with Kwik Spacer (B) to Stack or Raise Clamp
- Multiple Sizes Available: 1/2" - 4"

B

Irrigation Systems

PIN-PERFECT NOZZLE FLOW RATE IN GPM

PART #	CAP COLOR	ORIFICE DIAMETER	15 PSI	22 PSI	29 PSI	36 PSI
PPN-BR	Brown	2.55 mm	0.61	0.74	0.85	0.95
PPN-GN	Green	2.65 mm	0.69	0.82	0.95	1.08
PPN-GR	Grey	2.75 mm	0.77	0.90	1.03	1.17
PPN-BL	Blue	2.80 mm	0.79	0.95	1.11	1.27
PPN-RD	Red	2.95 mm	0.87	1.03	1.21	1.40
PPN-OR	Orange	3.05 mm	0.90	1.11	1.29	1.48
PPN-BK	Black	3.25 mm	0.98	1.21	1.40	1.60

NIFTY NOZZLE FLOW RATE IN GPM

PART #	COLOR	ORIFICE DIAMETER	15 PSI	22 PSI	29 PSI	36 PSI
360NN-BR	Brown	1.75 mm	0.29	0.35	0.41	0.46
360NN-GN	Green	2.00 mm	0.40	0.49	0.57	0.63
360NN-GR	Grey	2.25 mm	0.51	0.62	0.72	0.80
360NN-BL	Blue	2.50 mm	0.63	0.77	0.89	0.99
360NN-RD	Red	2.75 mm	0.76	0.93	1.07	1.20
360NN-OR	Orange	3.00 mm	0.90	1.10	1.28	1.48

MIST NOZZLE FLOW RATE IN GPM

PART #	COLOR	ORIFICE DIAMETER	36 PSI	73 PSI
MM-BW	Blue/White	1.00mm	0.17	0.22
MM-RW	Red/White	1.25mm	0.27	0.35
MM-KW	Black/White	1.50mm	0.39	0.50

HIGH PRESSURE MISTY MIST FLOW RATE GPM

PART #	COLOR	ORIFICE DIAMETER	73 PSI	145 PSI	290 PSI	435 PSI
HP-GW	Grey/White	0.75 mm	0.12	0.19	0.24	0.27

T-DROP NOZZLE FLOW RATE IN GPM

PART #	COLOR	ORIFICE DIAMETER	15 PSI	22 PSI	29 PSI	36 PSI
TDN	Brown/Red	1.75 mm	0.29	0.35	0.41	0.46

PIN-PERFECT NOZZLE

- Overhead Watering Nozzle
- Designed for Foliage, Bedding Plants, & 4-6" pots
- Easy "ON-OFF" Push Pin
- 10' Diameter Spray Pattern
- 3' Spacing
- Topside of Pipeline, or Riser Installation
- Use with Dramm Run-Out Valves, No-Drip Risers, & No-Drip Extension Check Valves



360° NIFTY NOZZLE

- Overhead or On-Bench Watering Nozzle
- Designed for Foliage, Bedding Plants, & 4-6" pots
- 10' Diameter Spray Pattern
- 3' Spacing
- Top or Bottom of Pipeline, or Riser Installation
- Use with Dramm Run-Out Valves, No-Drip Risers, & No-Drip Extension Check Valves



360° MISTY MIST NOZZLE

- Overhead Mist Propagation, Irrigate Plugs, Raise Humidity
- Low to Medium Flow Rate
- 6' Diameter Spray Pattern
- 3' Spacing
- Top or Bottom of Pipeline, or Riser Installation
- Use with Dramm Run-Out Valves, No-Drip Risers, & No-Drip Extension Check Valves



T-DROP NOZZLE

- Long Narrow Installations
- 10' X 5" Elliptical Spray Pattern
- Top or Bottom of Pipeline, or Riser Installation
- Use with Dramm Run-Out Valves, No-Drip Risers, & No-Drip Extension Check Valves



ASSEMBLY INSERT

- Threaded Gasket for Quick, Easy Installation
- Leak-Free Seal on Dramm Irrigation Nozzles
- Drill 7/16" Hole & Insert
- Interior Female 3/8" Witworth Thread
- Use at Pressures Up To 50 PSI



* For a complete list of Irrigation Nozzles, see the current Dramm Commercial/Greenhouse price list *

Irrigation Systems

Let Dramm Design Your System



NO-DRIP RISER

- Controls Drip From Overhead Pipelines
- Elevates Nozzle 2.25" Above PVC Pipeline
- Elevates Nozzles Above Soil for Landscape Use

NO-DRIP EXTENSION CHECK VALVE

- Controls Drip From Overhead Pipelines
- Shuts Off Water Under 11 PSI - Opens at 11 PSI
- Use When Installing Nozzles in Bottom Side of Pipeline
- Built-In Filter



RUN-OUT VALVE

- Controls Drip From Overhead Pipelines
- Installs at End of 1" or 3/4" PVC Pipelines
- Allows Line to Drain When Water is Off
- Requires at Least 15 PSI to Work Properly

PIPE ADAPTER

- Direct PVC Pipe Installations
- Attach Nozzles Directly to 1/2" PVC Risers
- Available Threaded or Slip Fit
- Eliminates Overhead Lines
- 1/2" X 3/8" WW

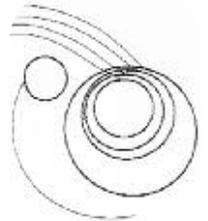


DRIBBLE TUBES

- Waters 5", 6" or 7" Pots Evenly
- Water Flow From 2 Holes
- Lengths from 12" - 42" Long

DRIBBLE RINGS

- Waters Nursery Stock Evenly
- Ring Secures Around Trunk, Water Flows from Multiple Holes
- Variety of Sizes and Leader Tube Lengths

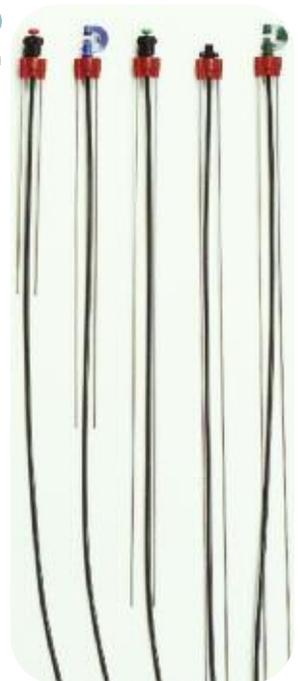


DRAMM HANDPIK™ TOOL

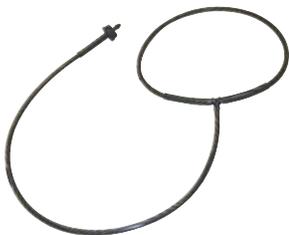
- Assembly Insert of Brass Eyelets in Poly Tubing for Dramm Dribble Tubes & Rings
- One Leak-Free Operation!

DRAMM STIX™

- Water or Mist from Overhead when Overhead Lines are Impossible
- Great for Moveable Benching
- Five Different Heights: 10" - 36"
- Includes Poly Tubing, Stix™, & Pin Perfect Nozzles



PRESSURE COMPENSATED DRIBBLE RINGS



- Pressure Compensated for Superior Accuracy
- 2 gph Flow Rate (8lph)
- Waters Nursery Stock Evenly
- Ring Secures Around Trunk, Water Flows From Multiple Holes
- Variety of Sizes and Leader Tube Lengths

Irrigation Systems

Enclosure: NEMA 4 rated PVC

Power Supply: 120v AC

Power Output: 24v AC

Overload Protection: fuse

Item #: GV075 - 3/4"

Item #: GV100 - 1"

Power Source: 9v battery

Battery Life: up to 1 year

Item #: GVM075 - 3/4"

Item #: GVM100 - 1"

Item #: RPIC-03 (3-valve)

Item #: RPIC-07 (7-valve)

Item #: RPIC-11 (11-valve)

Item #: RPIC-15 (15-valve)

Power Source: 120 vac

Power Output: 24 vac

MIST TIME™

- Precision 10-Valve Misting Controller
- Temperature Input
- Pump Output Option
- Easy-to-Read Display
- Easy-to-Use Controls
- English, Spanish, French or Dutch programming
- *Temperature Sensor Sold Separately*

Build a misting curve to change the cycle throughout the day



AUTOVALVE™ /MIST AUTOVALVE™

- 9 Volt Battery Operated Single Valve
- Includes Valve
- Three Modes: Single Start, Start on Select Days, Up to Three Start Times/Day
- Watertight enclosure
- Great for landscaping, outdoor crops or temporary irrigation systems
- Misting version available



RAINPRO™

- Flexible Irrigation Controller
- 3-Valve Base Unit- Add up to 11 Outputs for a total of 15
- Four Start Times
- Water-Tight Enclosure
- Water Budget Feature
- Rain Sensor Available



Natural Fertilizer

Dramm Corporation offers a biologically active fish fertilizer. Drammatic® Fish Fertilizer feeds plants with macro and micro nutrients, as well as the beneficial micro-organisms. We offer our fertilizer in several blends to meet the exact needs of the grower. For organic or conventional crops.



for complete information,
request product literature:
920.684.0227
or visit our website:
www.fishfertilizer.com

DRAMMATIC® "O" • OMRI Listed

- Organic or Conventional Crops
- Naturally Complete Plant Food
- Liquid Fish
- 1 gal, 5 gal. • Analysis 2-5-1
- 55 gal, or 275 gal Totes • Analysis 2-5-0.2

DRAMMATIC® "K" • OMRI Listed

- Organic or Conventional Crops
- Naturally Complete Plant Food
- Liquid Fish & Kelp
- 1 gal, 5 gal. • Analysis 2-5-1
- 55 gal, or 275 gal Totes • Analysis 2-5-0.2

DRAMMATIC® "ONE" • OMRI Listed

- Organic or Conventional Crops
- Naturally Complete Plant Food
- Blend of Liquid Fish, Kelp, & Fulvic Acid
- Algalic Nitrogen Plus 15-0-2
- 1 gal, 5 gal. • Analysis 4-4-1
- 55 gal, or 275 gal Totes • Analysis 4-4-0.5



Fresh Fish &
Fish Scraps



Fresh Fish
Ground Daily



200 Mesh
Fine Filtered



Unique
Natural Enzymatic
Liquifying Technique



100% Pure
Liquid Fish Protein
Hydrolysate

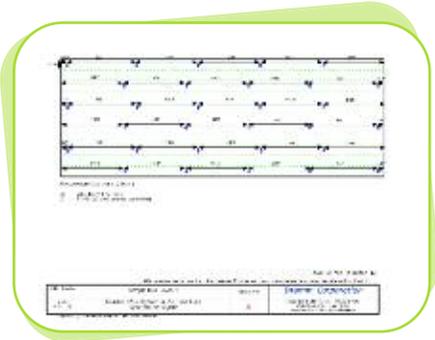
Environmental Control

Dramm offers specialized products for influencing the greenhouse environment. Each product in this category represents the next generation of technology. Dramm Mechanical Thermostats are designed for the rough greenhouse environment. Utilizing stainless steel coils and corrosion free housing, these thermostats offer unmatched accuracy and durability. The Dramm AME Horizontal Air Flow System is the next step in greenhouse air movement. Utilizing fewer, more aerodynamic fans, the AME System creates better, less turbulent air movement with less energy.

Power Supply: 208/240V
Frequency: 60 Hz
Overload Protection: thermal contact

AME HAF FAN

- Highly Efficient, Aerodynamic Fans
- Reduced Number of Fans Needed
- Reduce Energy Costs
- Speed Regulation
- Anti-Corrosion Design
- Low Maintenance



• contact Dramm for a custom layout for your greenhouse •

Enclosure: plastic PVC IP54
Power Supply: 208/240V
Frequency: 60 Hz
Power Tolerance: +/- 10%
Protection Fuses: primary/secondary
Maximum Voltage: adj. from 230-150 Volt
Minimum Voltage: adj. from 0-230 Volt
Input Signal: 4-20 AMP or 2-10 Volt DC
Alarm Output: relay SPDT no load

VARIABLE SPEED CONTROLLER

- Precise Control of Variable Speed Fans, Electrical Heating, Bulb or Tube Lights, Cooling Systems & Other Electrical
- Regulates Voltage to Device
- Plastic Housing Protects from Environment
- Manual or Interface w/Other Control Systems
- 4 Different Sizes Available



Enclosure: plastic PVC IP54
Power Supply: 12V - 240V
Temp. Accuracy: approximately 1° C
Temp. Range: 30-104° F (0-40°C)
Contacts: 1 or 2 no load SPDT
Inductive Load: 8 Amp
Non-inductive Load: 16 Amp
Sensor: 1 or 2 Stainless Steel Coils

THERMOSTATS

- Precisely Controls Heating, Cooling, & Ventilation
- Unmatched Accuracy
- Construction Eliminates Corrosion
- Single or Two-Stage Available
- Designed for Harsh Greenhouse Environments



Hydraulic Sprayers



HYDRA™

- High Volume Hydraulic Sprayer
- 50 Gallon Tank on Mobile Cart
- Applies Most Chemical Formulations
- Variety of Droplet Sizes & Spray Distances
- 115 Volts or 220 Volts 60 HZ
- 250' 3/8" Hose Option
- BIGFOOT™ Option Available



Model: HYDRA

Chemical Tank Volume: 50 gallons

Chemical Output Rate: up to 3.8gpm

Maximum Pressure: up to 500 psi

Pump HP: 1.5 hp electric

System Rated Load: 18 or 9 amp

Hose Length: 150', 200' or 250'

Dimensions: 27" wide

Shipping Weight: 315 lbs



HYDRA SPRAYTRAX 50- electric or gas

- High Volume Hydraulic Sprayer
- 50 Gallon Tank on Self Tracking Cart
- Applies Most Chemical Formulations
- Variety of Droplet Sizes & Spray Distances
- 115 Volts or 220 Volts 60 HZ or
- 5.5 hp Honda Gas Engine

Model: HYDRA-ST50 or HYDRAG-ST50

Chemical Tank Volume: 50 gallons

Maximum Pressure: up to 500 psi

Pump HP: 1.5 hp electric - 3.8 GPM
5.5 Honda® gas - 7.6 GPM

Hose Length: 150', 200' or 250'

Dimensions: 34" wide

Shipping Weight: 400 or 408 (gas) lbs



HYDRA™ SPRAYTRAX™ 100

- Hydraulic Sprayer
- 100 Gallon Tank on Self Tracking Cart
- Applies Most Chemical Formulations
- Single or Dual Hose Reel Option
- Remote wind Reel Available

Model: HYDRA-ST100

Chemical Tank Volume: 100 gallons

Chemical Output Rate: up to 7 gpm

Maximum Pressure: up to 500 psi

Pump HP: 5.5 hp Honda® gas

Hose Length: 150', 200', 250' or 300'

Hose Option: 1 or 2 reel available

Dimensions: 38" wide



HYDRA™ 200

- High Volume Hydraulic Sprayer
- Applies most chemical formulations
- Variety of droplet sizes & spray distances
- Optional extra 20gal tank for smaller areas
- Remote wind Reel Available



Model: HYDRA-200

Chemical Tank Volume: 200 gallons

Chemical Output Rate: up to 7 gpm

Maximum Pressure: up to 550 psi

Pump HP: 5.5 hp Honda® gas

Hose Length: 150', 200', 250' or 300'

Hose Option: 1 or 2 reel available

Dimensions: 60" w x 62" h x 77" L

Hydraulic Sprayers

Model: MSO

Chemical Tank Volume: not included

Chemical Output Rate: up to 0.5gpm

Maximum Pressure: up to 500 psi

Compressor HP: 1/4 hp electric

Drive System: direct drive

Cord Length: 8 ft

Spray Distance: stream: 20' • mist: 10'

Shipping Weight: 28 lbs

MSO SPRAYER

- Multi-Purpose Hydraulic Sprayer
- Applies Most Chemical Formulations
- Corrosion-Resistant Pump
- 120 Volts 60HZ



Model: MS20-33 or MS20-100

Chemical Tank Volume: 20 gallon

Chemical Output Rate: up to 0.5gpm

Maximum Pressure: up to 500 psi

Compressor HP: 1/4 hp electric

Drive System: direct drive

Hose Length: 33 ft or 100 ft (MS20-100)

Dimensions: 20.5" wide x 36.5" L

Shipping Weight: 97 lbs

MS20 SPRAYER

- Multi-Purpose Hydraulic Sprayer
- Multi-Position Reel Placement
- Applies Most Chemical Formulations
- Corrosion-Resistant Pump
- 120 Volts 60HZ
- **BIGFOOT™** Option Available



Model: MSO-GAS#2

Chemical Tank Volume: not included

Chemical Output Rate: up to 1.8gpm

Maximum Pressure: up to 350 psi

Compressor HP: 1/2 hp Honda gas

Drive System: direct drive w/clutch

Discharge Hose Length: 66'

Spray Distance: stream: 20' • mist: 10'

Shipping Weight: 30 lbs

MSO-GAS SPRAYER

- Gasoline Power Hydraulic Sprayer
- Applies Most Chemical Formulations
- 3 Different Regulator Settings
- Gasoline Engine



Model: MS20GAS-66

Chemical Tank Volume: 20 gallon

Chemical Output Rate: up to 1.8gpm

Maximum Pressure: up to 350 psi

Compressor HP: 1/2 hp gas

Drive System: direct drive w/clutch

Discharge Hose Length: 66'

Dimensions: 20.5" wide

Shipping Weight: 97 lbs

MS20-GAS SPRAYER

- Gasoline Power Hydraulic Sprayer
- 20 Gallon Tank on Mobile Cart
- Applies Most Chemical Formulations
- 3 Different Regulator Settings
- 4-Cycle Honda Gasoline Engine
- **BIGFOOT™** Option Available



 operational video available online

www.drmm.com

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FAX: 920.684.4499

Chemical Application



TURBAIR ELECTRAFAN

- Lightweight, Portable Sprayer
- Low Volume & Ultra Low Volume
- Applies Most Chemical Formulations
- Treat Crops, Control Pests, Administer Vaccines
- Electrically Powered; No Pumping

Model: TEF Turbair Electrafan

Chemical Tank Volume: 1 liter

Chemical Output Rate: 1- 3.6 oz/min

Droplet Size: 60-80 μ

Area Covered: up to 3,000 sq ft/liter

Coverage Distance: 10 - 20 ft

Power Supply: 12 volt DC

Shipping Weight: 15 lbs



MICROFIT HERBI STANDARD

- Lightweight, Portable Band Sprayer
- Cleanup, Border & Strip Spraying
- Low Volume, CDA Application
- Applies Most Chemical Formulations
- Minimizes Spray Drift
- Battery Powered; No Pumping

Model: MH-1 Herbi Standard

Chemical Tank Volume: 2.5 liter

Chemical Output Rate: 2-5 oz/min

Band Width: 4 ft precise circular

Total Spray Volume: 5-20 liters/acre

Droplet Size: 200-300 μ

Power Supply: 6V DC; 4-D cell batteries

Shipping Weight: 5 lbs



MICROFIT HERBAFLEX

- Lightweight, Portable Band Sprayer
- Cleanup, Border & Strip Spraying
- Low Volume, CDA Application
- Applies Most Chemical Formulations
- Minimizes Spray Drift
- Battery Powered; No Pumping

Model: MHF-2 Herbi Flex

Chemical Tank Volume: 2.5 liter

Chemical Output Rate: .5-1.33 oz/min

Band Width: 4-20 inch band

Total Spray Volume: 5-20 liters/acre

Droplet Size: 200 μ

Power Supply: 6V DC; 4-D cell batteries

Shipping Weight: 5 lbs



MICROFIT HERBI TWIN

- Lightweight, Portable Band Sprayer
- Cleanup, Border & Strip Spraying
- Low Volume, CDA Application
- Applies Most Chemical Formulations
- Minimizes Spray Drift
- Doubles Area Covered/Pass
- Battery Powered; No Pumping

Model: MHT-3 Herbi Twin

Chemical Tank Volume: 2.5 liter

Chemical Output Rate: 2 - 5 oz/min

Band Width: 5.5 - 7.5 ft pattern

Total Spray Volume: 5-20 liters/acre

Droplet Size: 200-300 μ

Power Supply: 6V DC; 4-D cell batteries

Shipping Weight: 5 lbs



ULVA+

- Lightweight, Portable Sprayer
- Low Volume & Ultra Low Volume
- Applies Most Chemical Formulations
- Use in Areas with Natural Air Movement
- Outdoor Row Crops or Flowers

Model: ULVA+

Chemical Tank Volume: 1 liter

Chemical Output Rate: 25 - 60ml/min

Power Supply: up to 8 -D cell batteries

Droplet Size: 50-60 μ

Shipping Weight: 5 lbs

Chemical Application

Model: FC20-DT Dosatron™

Model: FC20-DM Dosmatic™

Tank Volume: 20 gallons

INJECTOR SOLD SEPARATELY

FERTICART™

- Make Your Injector Portable
- Fits Dosatron or Dosmatic Injectors (specify)
- 20 Gallons, 4 Wheels
- Sumped Drain with Valve
- Vinyl Coated, Corrosion Free Cart
- Includes 200 Mesh Filter, Back-Flow Check Valve & All Plumbing



Model: FC3X7-DT Dosatron™

Tank Volume: 3 - 7 gallons

INJECTOR SOLD SEPARATELY

FERTICART™ FC3X7

- Make Your Injector Portable
- Fits Dosatron Injector; D14 only
- Three Independent, 7-Gallon Tanks
- Individual Tank Drains with Valves
- Vinyl Coated, Corrosion Free Cart
- Includes 200 Mesh Filter, Back-Flow Check Valve & All Plumbing



Model: FC50 w/D8R

Tank Volume: 50 gallons

FERTICART™ FC50

- 50 gallon capacity
- Works with Dosatron D14, D45 & DB (specify model)
- Vinyl coated, corrosion-free cart
- Includes 200 mesh filter, back-flow preventer, check valve & all plumbing
- Agitation or Aeration mode
- Aerates solution for use with nematodes



Model: AAB12V

Model: AAB240V Euro Plug

Tank Capacity: 5 gallons

Flow Rate: 1 gpm

AGITATION/AERATION BUCKET

- Thoroughly mix any solution
- Keeps water soluble fertilizer, fungicide, insecticides & PGR's in suspension
- Perfect for use with injectors
- Agitation or Aeration mode
- Aerates solution for use with nematodes



Chemical Application



K-10 PULSFOG™

- Greenhouse Poultry/Livestock
- 25 Horsepower
- Portable
- 1 Nozzle

Model Number: K-10 & K-10/O
Weight Empty: 18 lbs
Output Time: 10L/45 min
Distance Propelled VK I: 100 ft
Distance Propelled NF/VK II: 45 ft
Chem Tank Capacity: 10 liters
Fuel Tank Capacity: 2 liters/0.5 gal



K-22 PULSFOG™

- Greenhouse Poultry/Livestock
- 50 Horsepower
- Portable
- 1 Nozzle

AVAILABLE as K-22 BIO Unit



Model Number: K-22 & K-22/O
Weight Empty: 18 lbs
Output Time: 10L/30 min
Distance Propelled VK I: 160 ft
Distance Propelled NF/VK II: 110 ft
Chem Tank Capacity: 10 liters
Fuel Tank Capacity: 2 liters/0.5 gal



K-30 PULSFOG™

- Greenhouse Poultry/Livestock
- 101 Horsepower
- Portable
- 2 Nozzles



Model Number: K-30 & K-30/O
Weight Empty: 25 lbs
Output Time: 10L/15 min
Distance Propelled VK I: 200 ft
Distance Propelled NF/VK II: 100 ft
Chem Tank Capacity: 10 liters
Fuel Tank Capacity: 2 liters/0.5 gal



K-30/20/O PULSFOG™

- Poultry/Livestock
- 101 Horsepower
- Stationary
- 2 Nozzles

Model Number: K-30/20/O K-30/20F
Weight Empty: 58 lbs
Output Time: 30L/45 min
Distance Propelled VK I: 200 ft
Distance Propelled NF/VK II: 100 ft
Chem Tank Capacity: 55 liters
Fuel Tank Capacity: 20 liters/5.2 gal



K-30/20 BIO PULSFOG™ *

- Greenhouse - 101 hp
- Livestock/Poultry
- 4 Nozzles



Model Number: K-30/20/BIO
Weight Empty: 67 lbs
Output Time: 60L/45 min
Distance Propelled VK I: 200 ft
Distance Propelled NF/VK II: 100 ft
Chem Tank Capacity: 2- 55 l. tanks
Fuel Tank Capacity: 20 liter tank

***PulsFOG BIO UNITS-** For use with heat sensitive chemical and biological agents. A second injection system consisting of an additional tank and set of nozzles uses plain water to cool the exhaust allowing many heat sensitive products to be fogged without damage. Additionally, the use of a second tank allows for larger areas to be treated without refilling. Please consult the manufacturer or Dramm for approved chemicals.

All PulsFOGs are now approved for corrosive duty

Fax: 920.684.4499

ORDER: 920.684.0227

www.dramm.com

Chemical Application

Model Number: K-4 Bio
Weight Empty: 99 lbs
Output Time: 30L/30 min
Distance Propelled VK I: 390 ft
Distance Propelled NF/VK II: 250 ft
Chem Tank Capacity: 2- 50 liter tanks
Fuel Tank Capacity: 20 liters
Contact Dramm for more information

K-4 PULSFOG™

- Greenhouse/Livestock
- 125 Horsepower
- Frame Mounted Non-Portable
- 6 Nozzles
- 12 v Electric Ignition
- Bio-Technology (see note pg 34) *



Model Number: TF400A or TF400GV
Distance Propelled: 300' from ea. nozzle
Chem Tank Capacity: 400 liters
Treatment area/Tank: 2,000,000 sq.ft.
Mounting: 3-Point hitch
Tractor Requirements: 50 HP 540 RPM

TRACFOG™

- PTO Driven Fog System
- Dual Nozzles
- Independent Solenoid Valves
- 2 models: Standard Unit or Greenhouse Vegetable Unit



Model Number: K-30/20C
Model Number: K-30/20C-BF

CARTS for K-30/20

- Cart for K-30/20 machines
- BigFoot option w/Pneumatic wheels



K-30/20C w/mounted pulsFOG



K-30/20C-BF

For best results, PulsFog requires the use of carrier solutions. Dramm carries 3 solutions:

- VKI - For EC Chemicals
- VKII - For all Other Chemicals
- NutriFOG™ - Preferred for Greenhouse, works with all chemicals



Chemical Application

*Stainless Steel Nozzle
available for use
with oxidizers*



MLVH MINI AUTOFOG™

- Automatic Chemical Application
- Drastically Reduce Labor Costs
- Low Volume Spraying
- Treats up to 3,000 Sq Ft
- Treats 5,000 Sq Ft with Additional Fans
- 120 Volts 60HZ



Model: MLVH Autofog™
Chemical Tank Volume: 8 liters
Chemical Output Rate: 45cc/min
System Rated Load: 10.3 amp
Compressor HP: 3/4 hp
Compressor Output: 2.43 CFM @ 21PSI
Cord Length: 4 ft
Dimensions: 10" wide
Shipping Weight: 83 lbs



SLVH AUTOFOG™

- Automatic Chemical Application
- Low Volume Spraying
- Treats 12,000 Sq Ft
- Treats 26,000 Sq Ft with Additional Fans
- 120 Volts 60HZ
- Separates for Portable Use



Model: SLVH Autofog™
Chemical Tank Volume: 7 liters
Chemical Output Rate: 45cc/min
System Rated Load: 11.1 amp
Compressor HP: 3/4 hp
Compressor Output: 2.43 CFM @ 21PSI
Hose & Cord Length: 33 ft
Dimensions: 18.25" wide
Shipping Weight: 156 lbs



LVH AUTOFOG™

- Automatic Chemical Application
- Low Volume Spraying
- Treats 30,000 Sq Ft
- Treats 70,000 Sq Ft with Additional Fans
- 240 Volts 60HZ
- Separates for Portable Use

Model: LVH Autofog™
Chemical Tank Volume: 14 liters
Chemical Output Rate: 55cc/min
System Rated Load: 8 amp
Compressor HP: 1 hp
Compressor Output: 4.06 CFM @ 28.5PSI
Hose & Cord Length: 100 ft
Dimensions: 18.25" wide
Shipping Weight: 187 lbs



DLVH DUAL AUTOFOG™

- Dual Head AutoFog™
- 240 Volts 60HZ
- Low Volume Spraying
- Treats 60,000 Sq Ft
- Treats 140,000 Sq Ft with Additional Fans
- Drastically Reduces Application Time
- Custom order

Model: DLVH Autofog™
Chemical Tank Volume: 2- 14 liters
Chemical Output Rate: 2- 55cc/min
System Rated Load: 14.2 amp
Compressor HP: 2- 1 hp
Compressor Output: 4.06 CFM @ 28.5PSI
Hose & Cord Length: 2- 100 ft
Dimensions: 23" wide
Shipping Weight: 300 lbs

Chemical Application

Model: CFAR 20-150

Chemical Tank Volume: 70 liters

Chemical Output Rate: 1 liter/min

System Rated Load: 10 amp

Hose Length: 150 ft

Cord Length: 4 ft

Dimensions: 20" wide

Shipping Weight: 97 lbs

CFAR-20/150 COLDFOGGER™

- Targeted, Low Volume Chemical Application
- Drastically Reduce Labor Costs
- Low Volume Spraying
- 120 Volts 60HZ
- **BIGFOOT™** Option Available



Bigfoot option



Model: BP-4

Tank Volume: 4 gallons

Chemical Output Rate: Max. 1 gpm

Power Supply: 12v DC; rechargeable

Length of Charge: 2 hrs

Weight when Full: 40 lbs

Shipping Weight: 15 lbs

Charge Time: 7 hrs

BP-4 BACKPACK SPRAYER

- Even, Constant Spray
- Apply All Formulations of Chemicals
- Great for Growth Regulators
- No Hand Pumping- Tank Not Pressurized
- Fine Mist to Straight Stream Output
- Padded Shoulder Straps & Back Rest
- L5-E Lance Available



Model: BP-4Li

Tank Volume: 4 gallons

Chemical Output Rate: Max. 1 gpm

Power Supply: 18v DC; rechargeable

Length of Charge: 45 minutes

Weight when Full: 40 lbs

Shipping Weight: 15 lbs

*****Charge Time:** 2 hrs

BP-4Li BACKPACK SPRAYER

- Swapable, Lithium ion Battery
- Even, Constant Spray
- Apply All Formulations of Chemicals
- Great for Growth Regulators
- No Hand Pumping- Tank Not Pressurized
- Fine Mist to Straight Stream Output
- Padded Shoulder Straps & Back Rest
- L5-E Lance Available



Model: WC-20/ WC-50

Tank Volume: 20 gal./ 50 gal.

Power Supply: 12v rechargeable

Hose Length: 12 feet

WATER CART

- Portable Watering System
- 4 gpm Output
- Rechargeable
- Pumps up to 300 gal Before Charging
- Constant Flow
- Non-Marking Wheels & Casters



WC50



WC20

Chemical Application



MS40-TG

- Forward momentum for greater turbulence
- Easy pattern adjustment
- Even coverage
- Turbulent spray

Model: MS40-TG HYDRA Trigger Gun

Feature: adj. trigger 1.25 gpm

Max. Pressure: 725 PSI

Model: MS40-TG10 1.0 mm

Model: MS40-TG12 1.2 mm

Model: MS40-TG15 1.5 mm

Model: MS40-TG20 2.0 mm

Model: MS40-TG23 2.3 mm

Model: MS40-TG30 3.0 mm



MS-TG

- Forward momentum for greater turbulence
- Easy pattern adjustment
- Even coverage
- Turbulent spray

Model: MS-TG MSO Trigger Gun

Feature: adjustable trigger 0.5 gpm

Max. Pressure: 500 PSI

Volume: 0.5 gpm



L-5 LANCE

- 5 Nozzle Ring for Turbulent Spray
- Adjustable Length
- Variable Flow Rate
- Perfect for Baskets and PGR Applications
- L5-E Option for BP-4 without Valve and Handle

Model: L-5 Lance

Feature: 5-nozzle ring, adj. length

Max. Pressure: 500 PSI



DRENCHWAND

- Quick connects to Dramm Hydra™ Sprayers
- Includes High Pressure, Stainless Steel Quick Connects
- 24" Length for Easy Drenching

Model: MS40-DA



STAINLESS STEEL SPRAYGUN

- 750 PSI max Pressure
- Adjustable Pattern
- 1/2" Male Pipe Thread

Model: MD-9

Model: 842441 0.8 mm

Model: 842442 1.5 mm

Model: 842443 2.0 mm

Model: 840925 2.5 mm

Model: 842444 3.0 mm

Chemical Application

Model: CD-120

Tank Volume: 20 gallons

Accuracy: +/- 1ml per cycle

Power Supply: 12v DC; rechargeable

Hose Length: 25 ft

Dimensions: 20.5" wide

Shipping Weight: 102 lbs

CD-120 CHEMDOSE™

- Apply Exact Doses Directly to Root Zone
- Apply All Formulations of Chemicals
- Variable Precision Output
- Variable Interval Between Dosing
- Dosing Cycle Counter
- 3 Wand Lengths: 16", 30" & 38" for Bench, Ground, or Hanging Baskets



Model: CD-2 Chemdose

Accuracy: +/- 1ml per cycle

Power Supply: 12v DC, Rechargeable

CD2 CHEMDOSE™

- Precisely Measures Chemical Doses
- Use as Single Shot or Interval Based Doses
- Works with an Injector or Sprayer. Any Source Less than 100 psi
- Variable Interval Between Dosing
- Advanced Features such as Dose Count, Maximum Number of Doses & Control Lock-Out



Quality Since 1941



DRAMM CORPORATION

PO BOX 1960
2000 North 18th Street
Manitowoc, WI 54221-1960, U.S.A.
920.684.0227

Dramm Canada Address:
906 HWY 20 W RR#4
Fenwick, ONT LOS 1C0
Canada
905.892.5644

www.dramm.com
information@dramm.com

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