DRAMM

JETFog Cooling *Comfort*



Dramm Corporation
2000 North 18th Street
Manitowoc, Wisconsin
Tel:920-684-0227 Fax:920-684-4499
www.dramm.com

Dramm Corp. Canada
906 Hwy 20 west
Fenwick, Ontario
Tel:905-892-5644 Fax: 905-892-3328

MAN-JFGR: Greenhouse / Garden Center

DRAMM
PolyRail parts guide

Most Common Components





a) ALU501CB – Connecting Band
b) ALU541S – Stop piece
c) ALU502H – Hanger “straight”
d) ALU500PH – Hanger “90degree”
e) ALU503/509 – PolyRail Punch tool
f) T-Top Tool – Hand tool for inserting nozzle (401-005)
g) VSWIA125 – Swivel connector
h) VMIA05025 – Mipt x Insert adaptor
i) VCAPT – Threaded cap w/washer
j) TTC16 – 16mm Tube Clip w/fir tree barb
k) ITF075SL16 – Easyloc fitting
l) ITV075SL16 – Easyloc valve
m) CO-8BN / PEIC25 - barb repair coupling
n) Kwik Klamp









a)



b)



c)



d)



e)



f)



g)



h)



i)



j)



k)



l)



m)



n)

DRAMM
PolyRail general installation guide

i. Familiarize yourself with parts received by going down parts guide supplied

ii. Layout the 12' lengths of Aluminum PolyRail

iii. Attach connector band (item 501CB) to join the rails together using 2x 8mm stainless screws provided

iv. When using hanger (502H) this needs to be attached to I-Beam rail at the same time as when process iii is being connected. 1 hanger is required every 12 feet to position rail in a downward position

v. When using hanger (500PH) these snap on outer side of rail, from I-Beam to one "C" point, spaced 12 feet apart to position the rail sideways at 90 degrees

vi. Layout polyethylene tubing beside rail, let tubing warm up a bit first if stored outdoors, this eases the insertion process into the rail

vii. Start inserting the polyethylene tubing **from one end only,** tubing should snap into rail. If using our 25mm tubing, it is important that you use the printing on the tubing as a guideline to keep straight in the rail. Keep print between the 2 points of the "C" to eliminate twist in tube.

viii. Now that tube has been inserted we are now ready to insert holes into the polyethylene tube. Use Punch tool (ALU503/509) equipped with spacer dimplier , measure recommended nozzle spacing between punch tip and dimplier. Your first hole punch into tubing should be 4" – 6" from the end of bench, insert into hole the dimplier, slide punch tool on I-Beam keep tool snug against aluminum rail, when string is taught, you can punch the next hole. Keep repeating this process the length of the line, IMPORTANT: THE PUNCH KNIFE HAS A HOLLOW CORE IN THE CENTRE, BE SURE THAT THE CORE IS ALWAYS CLEAN

ix. Hang Rail, Hangers(502H or 500PH) should be spaced approximately 12' apart

x. Stop piece (541S) now gets installed in front of the first hanger by sliding onto I-Beam, tighten directly beside hanger using 1x 8mm stainless screw provided, this gets repeated for the last hanger as well where it gets placed behind the hanger. This prevents the line from sliding off the hangers when the water is turning on and off.

xi. Insert Nozzles into polyethylene tubing by using the supplied T-TOOL, this prevents any damage to the nozzle and nozzle tip. ***CAUTION:*** *Insert nozzles carefully and straight to prevent damage to hole. If not inserted correct you may experience leaking from behind the nozzle.*

xii. Connect line to water supply using the proper filtration

xiii. FLUSH OUT LINES BEFORE ATTACHING END CLOSURES

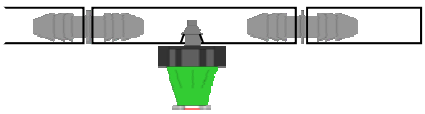
xiv. Attach Male insert adaptor or Easyloc fitting with threaded cap & washer to end of line

xv. Run system

DRAMM PolyRail general Trouble shooting guide

JetFogger Nozzle System

- **Water leaking from behind nozzle**
  - ✓ Nozzle was not inserted into hole straight, an egg-shape hole was created that now requires a repair.
  - ✓ BLANK3 can be used
  - ✓ If hole is too big for a BLANK3, pull 12-18" of poly from rail on either side of leaking hole, cut poly and insert 2 repair couplings (CO-8BN/PEIC25) as seen in photo
  - ✓ Snap poly and couplings into aluminum PolyRail
  - ✓ Re-punch hole with Tool (503/509)
  - ✓ Re-insert nozzle



- **Nozzle not misting**
  - ➢ Pressure too low to open nozzle diaphragm
  - ➢ Nozzle operates between 40-60psi
  - ➢ Not enough volume of water in system

- **Nozzle only partial misting**
  - ➢ Pressure too low
  - ➢ Check for nozzle tip plugging
  - ➢ Remove and clean nozzle tip
  - ➢ Replace nozzle tip with new one

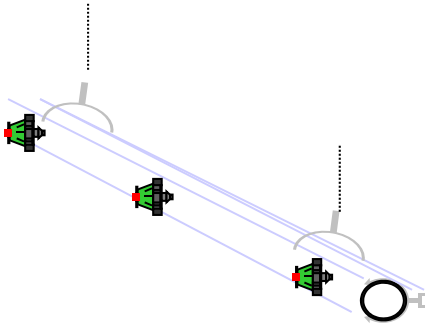
** Red nozzle Tip is not a removable or replaceable item



Tip assembly is removable and a replaceable item

- **Solenoid Valve not closing**
  - ➢ Debris is lodged between diaphragm and seat inside valve
  - ➢ Remove cap & diaphragm from valve, clean debris from seat and diaphragm.
  - ➢ Re-assemble valve

- **Solenoid Valve not opening**
  - ➢ Check 24vac coil on valve
  - ➢ See if plunger is being pulled in when electrical current is activated
  - ➢ If plunger does not get pulled in a new coil may be required
  - ➢ Check adjustment on flow control knob that is on top of valve



- **Solenoid Valve manual & Automatic operation**
  - ➢ White leaver when upright to coil– Automatic operation
  - ➢ White leaver when sideways away from coil – manual operation