

# Irrigation Pipe and Accessories



### IRRITEC K-DROP MICRO IRRIGATION SYSTEM

- Ideal for irrigating plants with roots developed in an inert substrate.
- Assembles to allow for distribution to four plants; watering and fertilization is done efficiently.
- Emitter outlet barb for 0.125" ID micro tube.
- Arrow dripper up to 0.69 GPH @ 15 PSI.

PART	DESCRIPTION
ID-AID1006	6" Angle Arrow Dripper
ID-WPC8BBN	2 GPH Emitter w/ barb/barrel outlet
ID-MAN4TI	Stackable, Upright 4-Way Manifold
ID-125TUBE-1000	0.125" ID x 1,000' Micro Tube (/ roll)



### 6" MICRO-TUBE LOCATOR STAKE – 3 MM

- 100 Degree angle bend – inlet barb to 6" tall spike.
- Inlet barb works with both 0.125" and 0.170" tube.

PART	DESCRIPTION
ID-MICRODRIP-6	6" Micro Locator Stake



### ASTA PC SPIKE 1 GPH DRIPPER

Designed for landscape and nursery applications. Targets water where you need it most – at the plant's root zone.

- Pressure Compensating (PC) spike dripper has sealed turbulent flow path and diaphragm to maintain uniform discharge over a wide range of pressures.
- 1 Gallon per Hour flow.
- Operating pressure: 5 – 50 PSI.
- UV Stabilized materials.
- Inlet: 0.16" Barb

PART	DESCRIPTION
ASTA-DRIP-1GPH	1 GPH Asta Dripper



### THIN-WALL POLY DRIP PIPE – ¾" I.D.

Because of the thin-wall nature of this pipe, it is ideal for use as a distribution tube with drip emitters in landscape settings, row garden applications, and overhead irrigation in greenhouses and nurseries.

- ¾" Nominal inside diameter, nominal wall thickness 0.060", and 0.940" average outer diameter.
- Rated to maximum working pressure of 55 PSI.

PART	DESCRIPTION
POLDRIP-34-100	¾" I.D. X 100' Thin-wall Poly Drip Pipe
POLDRIP-34-200	¾" I.D. X 200' Thin-wall Poly Drip Pipe
POLDRIP-34-400	¾" I.D. X 400' Thin-wall Poly Drip Pipe



### 100 PSI PREMIUM-GRADE HD POLY IRRIGATION PIPE

- 100 PSI working pressure @ 23°C; 300 PSI burst strength.

PART	DESCRIPTION	WALL THICKNESS	I.D.
POL100-12	½" X 100'	0.070"	0.622"
POL100-12-400	½" X 400'	0.070"	0.622"
POL100-34	¾" X 100'	0.085"	0.824"
POL100-34-400	¾" X 400'	0.085"	0.824"
POL100-1	1" X 100'	0.108"	1.049"
POL100-300	1" X 300'	0.108"	1.049"
POL100-114	1¼" X 100'	0.143"	1.380"
POL100-114-300	1¼" X 300'	0.143"	1.380"
POL100-112	1½" X 100'	0.166"	1.610"
POL100-112-250	1½" X 250'	0.166"	1.610"
POL100-2	2" X 100'	0.214"	2.067"
POL100-2-200	2" X 200'	0.214"	2.067"

# Hunter®



PLD Maximum Line Length Chart		0.4 GPH		
Pressure (PSI)	Emitter Spacing Maximum Lateral Length (FT)			
	12"	18"	24"	
15.0	344	475	594	
20.0	479	660	823	
25.0	509	703	879	
30.0	535	742	928	
35.0	584	808	1010	
40.0	627	868	1086	
45.0	646	894	1119	

### PROFESSIONAL LANDSCAPE DRIP LINE

Applies water slowly and evenly for consistent and accurate distribution. Water soaks in gradually, easily reaching the targeted plant root zone. Great for landscape settings or row crop type applications.

- Pressure compensating emitters with built-in check valves ensure balanced flow over all terrain.
- Three choices of emitter spacings – 12", 18", and 24" to meet any type of irrigation application.
- Kink-resistant and flexible – can work in virtually any creative landscape planting design.

PART	DESCRIPTION
PLD-12-FOOT	PLD 12" Spacing Drip Line @ 0.4 GPH (250' roll = 100 GPH total volume).
PLD-18-FOOT	PLD 18" Spacing Drip Line @ 0.4 GPH (250' roll = 67 GPH total volume).
PLD-24-FOOT	PLD 24" Spacing Drip Line @ 0.4 GPH (250' roll = 50 GPH total volume).
PLD-MB12	Hose Barb x ½" Male NPT Adapter
PLD-MB34	Hose Barb x ¾" Male NPT Adapter
PLD-CPL	Hose Barb x Hose Barb Straight Coupler
PLD-ELB	Hose Barb x Hose Barb 90° Elbow
PLD-TEE	Hose Barb x Hose Barb x Hose Barb Tee
PLD-ENDCAP	Drip Line End Cap – removable cap to allow flushing of drip line
PLD-YLS120	¾" Y-Strainer w/ Flush Cap – 120-Mesh filter element



### BIG GULP PRO MANUAL WATER PUMP

- Manually pumps water at 12+ Gallons / Minute
- 36" Tall with 72" discharge hose and Mud Guard

PART	DESCRIPTION
BIG-GULP-PRO	Big Gulp Pro Manual Water Pump

# DRAMM



## Micro and Drip Irrigation



### DRAMM MISTY MIST 360° NOZZLES

- Ideal for overhead mist propagation, irrigating plugs, or raising humidity levels.
- Misty Mist nozzles produce a 6 foot spray pattern when placed 5 feet above your greenhouse crop with 3 foot spacing.
- Available in three different GPM ratings to suit your specific needs.
- No moving parts; easy to maintain, simple to set up.
- Can be installed upright or inverted overhead or on greenhouse bench risers, as required.

### MISTY MIST NOZZLE PERFORMANCE (GALLONS / MINUTE)

PART NUMBER	COLOUR	ORIFICE DIAMETER	36 PSI	73 PSI
MISTY-BW	Blue/White	1.0 mm	0.17	0.22
MISTY-RW	Red/White	1.25 mm	0.27	0.35
MISTY-BLK	Black/White	1.50 mm	0.39	0.50

PART	DESCRIPTION	PRICE(H)
MISTY-BW	Misty Mist Nozzle – Blue/White	2.50
MISTY-RW	Misty Mist Nozzle – Red/White	2.50
MISTY-BLK	Misty Mist Nozzle – Black/White	2.50



### DRAMM ASSEMBLY INSERT

- Threaded gasket that provides quick installation and a leak-free seal for Dramm irrigation nozzles.
- 3/8" interior Whitworth tapered thread to match up with Misty Mist and Pin-Perfect nozzles. Also fits the Dramm No-Drip Riser Extension.
- USED WITH SCHEDULE 40 PVC ONLY; DO NOT use with schedule 80 PVC pipe.
- Easy to use – drill 7/16" hole in pipe, insert gasket into hole, and thread in your irrigation nozzle.
- Recommended for use at operating pressures up to 50 PSI.

PART	DESCRIPTION	PRICE(H)
MISTY-INSERT	Dramm Insert Assembly	1.35



### 3/8" WHITWORTH THREAD X 1/2" FNPT RISER ADAPTER

- 1/2" Female NPT X 3/8" Whitworth Female Thread adapter allows for the use of Misty Mist and Perfect-Pin nozzles on a 1/2" diameter irrigation riser.

PART	DESCRIPTION	PRICE(H)
MISTY-ADPT	Riser Adapter 1/2" x 3/8" WW	2.75



### ROTOR RAIN G MINI SPRINKLER

- Low trajectory, large droplet mini sprinkler.
- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Rotor can be replaced with break-off spray deflector for close-in watering of immature crops.
- 1/2" Male NPT base; 0.055" Orifice size.
- Other sizes available by special order; please inquire.

### ROTOR RAIN GREEN MINI SPRINKLER PERFORMANCE

PRESSURE (PSI)	FLOW (GPH)	DIAMETER (FT.)*	STREAM HEIGHT (FT.)
15	20.0	26.0	1.8
20	23.5	30.0	1.8
25	26.5	30.0	1.8
30	29.2	30.0	2.1

\*NOTE: Diameter based on sprinkler head 8" above ground.

PART	DESCRIPTION	PRICE(F)
ROTORAIN-G	Mini Rotor Sprinkler	2.90



### DRAMM NO-DRIP EXTENSION CHECK VALVES

- Helps control drip from overhead pipelines by shutting off when water pressure is below 11 PSI.
- Used primarily when Dramm irrigation nozzles (such as Pin-Perfect and Misty Mist) are installed on the bottom side of over crop PVC water lines.
- Can be used optionally on topside installations.
- Includes a built-in filter to help keep check valve and attached nozzle from clogging.

PART	DESCRIPTION	PRICE(H)
MISTY-EXTENSION	No-Drip Extension	4.30



### DRAMM 11 GRAM EMITTER WEIGHT

- Barbed connection for secure fit.
- Zinc / Aluminum alloy – NO lead.
- Dual Port for even output.
- Use with 0.130" Dramm tubing.

PART	DESCRIPTION	PRICE(I)
DRAMMWEIGHT	Dramm Emitter Weight	.50



90°



180°

### COOLING / MISTING SHRUB NOZZLES

- Ideal for targeted irrigation or cooling applications.
- SPJET series feature bayonet tip and 0.16" "quick" thread for easy installation into SOFT poly pipe.
- SN series (not shown) features 10-32 UNF micro thread for installation into pre-drilled RIGID poly pipe.

PART	DESCRIPTION	PRICE
SPJET-15415	90° (1/4 circle) Shrub Nozzle	.65(F)
SPJET-15425	180° (1/2 circle) Shrub Nozzle	.65(F)
SN90	90° Shrub Nozzle (not shown)	.55(E)
SN180	180° Shrub Nozzle (not shown)	.55(E)



Emitter Opened



Emitter Closed

### 24" SLIMLINE 1/2 GPH HANGING BASKET ASSEMBLY

- Includes 2 LPH (0.5 GPH) emitter, 24" drop line, and easy-to-close shut-off weight.
- Simple, highly visible shut-off functionality.
- Available in other lengths and gallon ratings – please inquire

PART	DESCRIPTION
ISO1HBA2W-24	HB Emitter Assembly – 24" w/ 0.5 GPH



Assembled



Unassembled

### PRESSURE COMPENSATING DRIP EMITTERS

- Available in 3 sizes – 1/2 GPH, 1 GPH, and 2 GPH.
- Silicon Diaphragm for longer life.
- Can be taken apart for inspection and cleaning.

PART	DESCRIPTION	PRICE(F)
EM5	EM-5 Emitter – 1/2 gallon / hour	1.00
EM10	EM-10 Emitter – 1 gallons / hour	1.00
EM20	EM-20 Emitter – 2 gallons / hour	1.00

**NOTE: All Drip Tubing and Poly Pipe is located in our Landscape Irrigation section of the catalogue.**

# Underground Sprinkler Components



### STAINLESS STEEL CLAMPS

PART	MIN.	MAX.	AVERAGE
HAS4M	1/4"	5/8"	3/8"
HAS5M	5/16"	7/8"	1/2"
HAS6M	7/16"	7/8"	5/8"
HAS6	3/8"	3/4"	5/8"
HAS8	1/2"	1"	3/4"
HAS10	9/16"	1 1/8"	7/8"
HAS12	1 1/16"	1 1/4"	1 5/16"
HAS16	5/8"	1 1/2"	1"
HAS20	1 3/16"	1 3/4"	1 1/8"
HAS24	1 1/16"	2"	1 1/2"
HAS28	1 7/16"	2 3/8"	1 15/16"
HAS32	1 9/16"	2 1/2"	2"
HAS36	1 13/16"	2 3/4"	2 1/4"
HAS40	2 1/16"	3"	2 1/2"
HAS44	2 5/16"	3 1/4"	2 13/16"
HAS52	2 13/16"	3 3/4"	3 3/16"
HAS64	3 9/16"	4 1/2"	4"
HAS72	4 1/8"	5"	4 1/4"
HAS88	5 1/8"	6"	5 1/2"
HAS96	5 5/8"	6 1/2"	6"
HAS104	6 1/8"	7"	6 1/2"



### OETIKER CLAMPS

PART	DESCRIPTION
271	3/4" - Standard
346	1" - Standard



### CRIMP TOOL

PART	DESCRIPTION
CT108	For Oetiker Clamp Installation



### INSERT TEES

PART	SIZE
IT12	1/2"
IT34	3/4"
IT1	1"
IT114	1 1/4"
IT112	1 1/2"
IT2	2"

### INSERT ELBOW

PART	SIZE
IE12	1/2"
IE34	3/4"
IE1	1"
IE114	1 1/4"
IE112	1 1/2"
IE2	2"



### REDUCING INSERT TEE

PART	SIZE
RT3412	3/4" x 1/2"
RT112	1" x 1/2"
RT134	1" x 3/4"
RT11412	1 1/4" x 1/2"
RT11434	1 1/4" x 3/4"
RT1141	1 1/4" x 1"
RT11212	1 1/2" x 1/2"
RT1121	1 1/2" x 1"
RT11234	1 1/2" x 3/4"
RT112114	1 1/2" x 1 1/4"
RT21	2" x 1"
RT2112	2" x 1 1/2"
RT2114	2" x 1 1/4"

### MALE INSERT ELBOW

PART	SIZE
ME12	1/2"
ME34	3/4"
ME1	1"
ME114	1 1/4"
ME112	1 1/2"
ME2	2"

### COMBINATION ELBOWS

PART	SIZE
CE12	1/2" x 1/2"
CE3412	3/4" x 1/2"
CE34	3/4" x 3/4"
CE112	1" x 1/2"
CE134	1" x 3/4"
CE11412	1 1/4" x 1/2"
CE11434	1 1/4" x 3/4"
CE1141	1 1/4" x 1"
CE1121	1 1/2" x 1"
CE2112	2" x 1 1/2"
CE114	1 1/4"
CE1234	1 1/2" x 3/4"

### PVC THREADED ELBOWS

PART	SIZE
PVCE34	3/4"
PVCE1	1"
PVCE1	1"

### PVC THREADED TEES

PART	SIZE
PVCT34	3/4"
PVCT1	1"

### CUT-OFF NIPPLES

PART	SIZE
CN12	1/2"
CN34	3/4"



### SWING JOINT - MALE NPT X MALE NPT

PART	DESCRIPTION
SJ12-6	1/2" X 1/2" X 6" long
SJ12-12	1/2" X 1/2" X 12" long
SJ34-6	3/4" X 3/4" X 6" long
SJ34-12	3/4" X 3/4" X 12" long

### BULK SWING JOINT PIPE & FITTINGS

RB-SPXFLEX100	Swing Joint Pipe 100' coil
FPA0500	Straight Barb X 1/2" MNPT
FPA0750	Straight Barb X 3/4" MNPT
FPE0500	Elbow Barb X 1/2" MNPT
FPE0750	Elbow Barb X 3/4" MNPT

### REDUCING INSERT COUPLER

PART	SIZE
RI3412	3/4" x 1/2"
RI112	1" x 1/2"
RI134	1" x 3/4"
RI11434	1 1/4" x 3/4"
RI1141	1 1/4" x 1"
RI11234	1 1/2" x 3/4"
RI1121	1 1/2" x 1"
RI12114	1 1/2" x 1 1/4"
RI21	2" x 1"
RI2114	2" x 1 1/4"
RI2112	2" x 1 1/2"

### MALE ADAPTER

PART	SIZE
MA12	1/2"
MA34	3/4"
MA1	1"
MA114	1 1/4"
MA112	1 1/2"
MA2	2"

### PLATED STL. MALE COUPLER

PART	SIZE
GMA1/2	1/2"
GMA3/4	3/4"
GMA1	1"
GMA11/4	1 1/4"
GMA11/2	1 1/2"
GMA2	2"

### FEMALE INSERT ADAPTER

PART	SIZE
FA12	1/2"
FA34	3/4"
FA1	1"
FA114	1 1/4"
FA112	1 1/2"
FA2	2"

### PLATED STL. INSERT ADAPTER

PART	SIZE
GIC1/2	1/2"
GIC3/4	3/4"
GIC1	1"
GIC114	1 1/4"
GIC112	1 1/2"
GIC2	2"
GIC3	3"
GIC4	4"

### INSERT PLUG

PART	SIZE
IP12	1/2"
IP34	3/4"
IP1	1"
IP114	1 1/4"
IP112	1 1/2"
IP2	2"

### REDUCING MALE ADAPTER

PART	SIZE
MA341	3/4" x 1"
MA134	1" x 3/4"
MA1141	1 1/4" x 1"

### CROSSES

PART	SIZE
ICR34	3/4"
ICR1	1"



### BRASS GATE VALVES

PART	SIZE
GV012	1/2"
GV034	3/4"
GV100	1"
GV114	1 1/4"
GV112	1 1/2"
GV200	2"
GV300	3"
GV400	4"

### HOSE BIB TAPS

3/4" FNPT x Male GH

PART	SIZE
HOSEBIB3/4	3/4"



### BRASS BALL VALVES

PART	SIZE
BV014	1/4"
BV038	3/8"
BV012	1/2"
BV034	3/4"
BV100	1"
BV114	1 1/4"
BV112	1 1/2"
BV200	2"
BV300	3"
BV400	4"



### COMBINATION TEE

PART	SIZE
CT3412	3/4" x 1/2"
CT3434	3/4" x 3/4"
CT112	1" x 1/2"
CT134	1" x 3/4"
CT1	1" x 1"
CT11412	1 1/4" x 1/2"
CT11434	1 1/4" x 3/4"
CT1141	1 1/4" x 1"
CT11212	1 1/2" x 1/2"
CT11234	1 1/2" x 3/4"
CT1121	1 1/2" x 1"
CT234	2" x 3/4"



### INSERT COUPLING

PART	SIZE
IC12	1/2"
IC34	3/4"
IC1	1"
IC114	1 1/4"
IC112	1 1/2"
IC2	2"



### PVC NIPPLES

PART	SIZE
PVON1/212	1/2" x 12"
PVON1/218	1/2" x 18"
PVON1/224	1/2" x 24"
PVCN1	1" x Close
PVCN12C	1/2" x Close



### PVC THREADED ELBOWS

PART	SIZE
PVCE34	3/4"
PVCE1	1"
PVCE1	1"



### PVC THREADED TEES

PART	SIZE
PVCT34	3/4"
PVCT1	1"



### CUT-OFF NIPPLES

PART	SIZE
CN12	1/2"
CN34	3/4"

### PVC THREADED COUPLERS

PART	SIZE
PVCT12	1/2"
PVCT34	3/4"
PVCT1	1"