

GARDEN KIT C

(15 - 125ft rows)

This garden kit includes everything required to get started using drip irrigation. It includes everything needed to attach the system to a regular garden hose faucet (hose bib) and proceeds to feed the LLDPE poly header line which feeds the drip tape delivering water directly to the root zone. There are several options available to add to the kit (controllers, injectors, flow meters, fittings, and more) and they can be customized to fit your needs.

Below is a picture of what is included in this kit. The following 3 pages include pictures of the various hook-ups that must be done to assemble the kit, drawings of the kit showing the general layout, a parts list, and some instructions on assembly. Please call us if you have any questions regarding your kit.

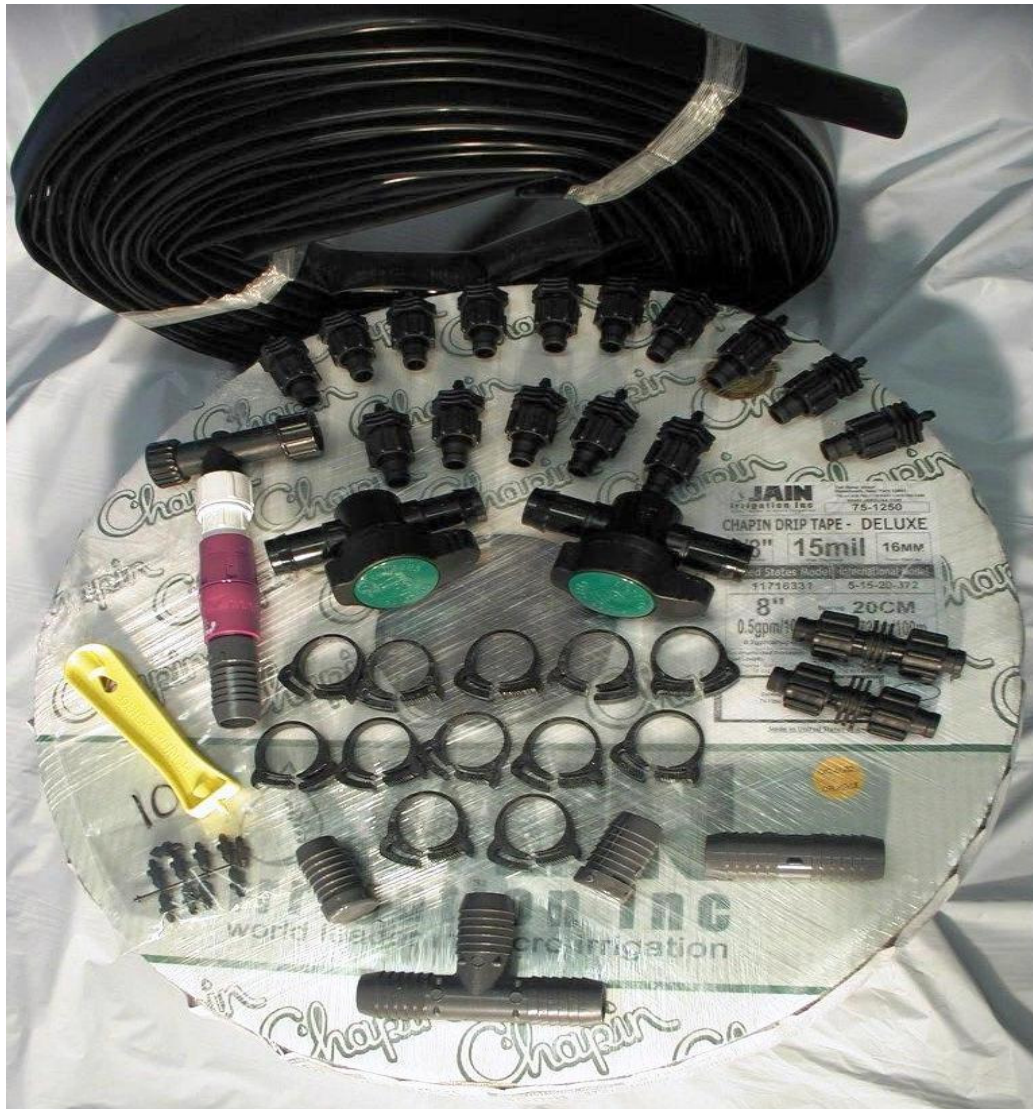




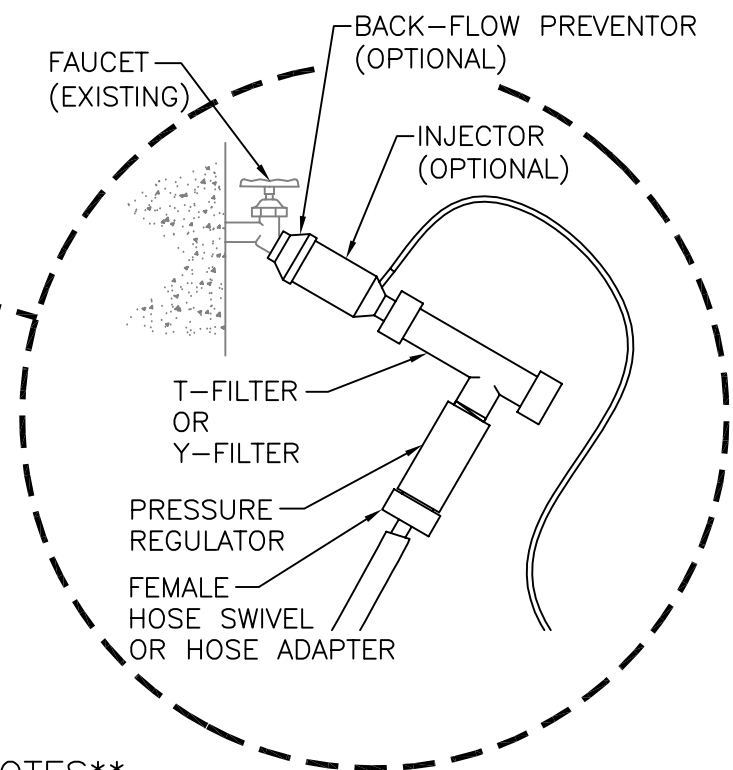
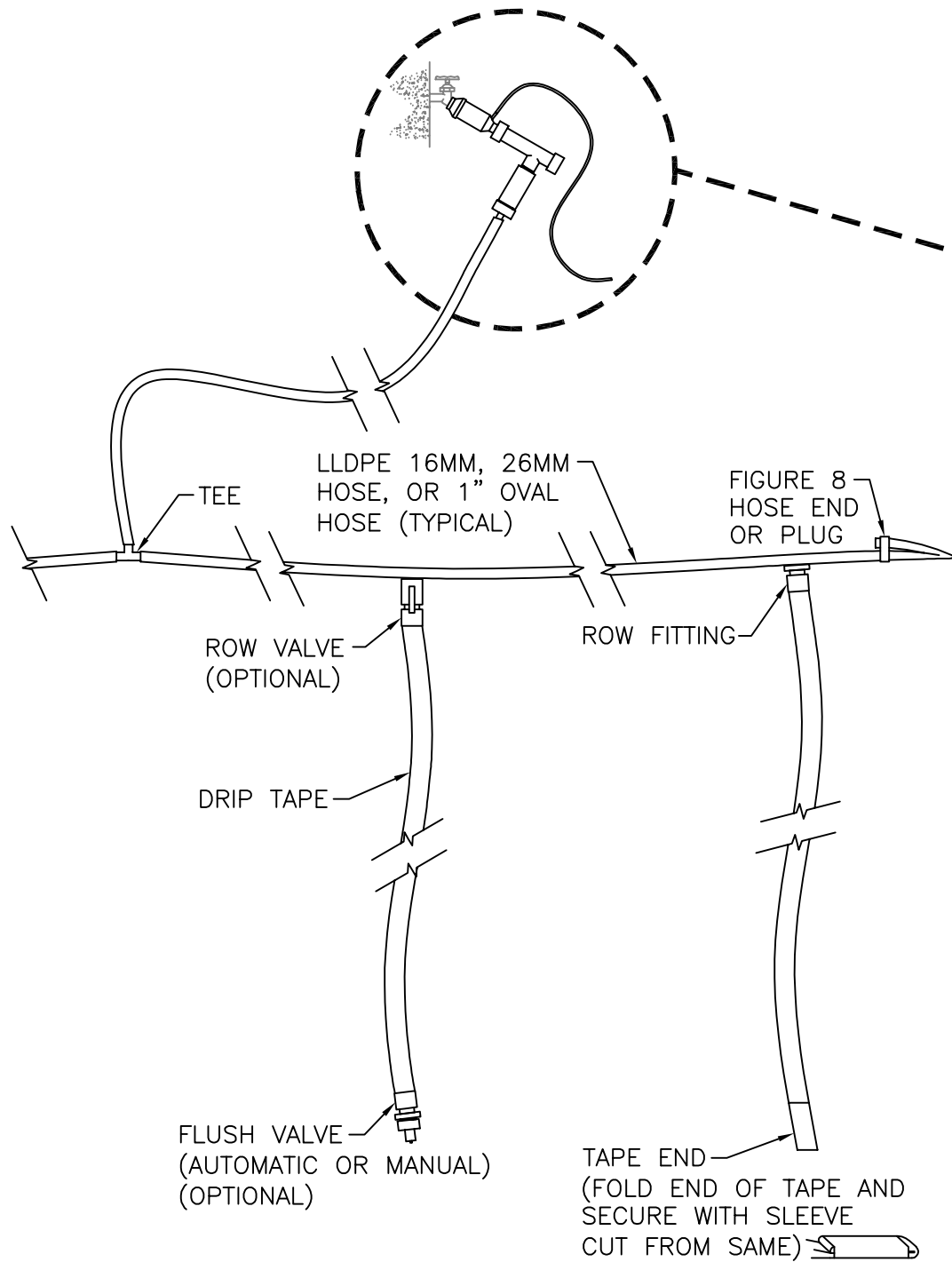
Figure 1: Part Names



Figure 2: Faucet hook-up



Figure 3: Kit C BV parts. This is an alternate version of Kit C. The row fittings in this kit each have their own valve (the green handles). This allows individual rows to be turned on or off as necessary/wanted thereby granting more control over the system.



****NOTES****

1. SEE DRAWING GK-PG2 FOR INSTALLATION INSTRUCTIONS AND PARTS LIST.
2. ENSURE THAT ALL COMPONENTS ARE SECURELY FASTENED AND TIGHT.
2. INJECT AFTER ALL LINES ARE UP TO PRESSURE.
4. RUN SYSTEM AFTER INJECTING TO FLUSH CHEMICALS OUT OF LINES.
5. LOW FLOW/PRESSURE SYSTEMS MAY REQUIRE THE USE OF A CANISTER TYPE INJECTOR.
6. CALL WITH ANY QUESTIONS REGARDING INJECTORS/INJECTING.

GARDEN KIT ASSEMBLY

IRRIGATION-MART

We SAVVY
Irrigation & Drainage



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CLIENT NAME

GARDEN KIT
ASSEMBLY DRAWING

DESIGNED BY:

DRAWN BY:

IRRIGATION-MART

IRRIGATION-MART

DATE:

DRAWING NUMBER:

REVISION:

10/14/09

GK-PG1

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1. SCREW FILTER AND PRESSURE GAUGE ONTO EXISTING GARDEN HOSE OR FAUCET.
2. ATTACH FEMALE HOSE SWIVEL TO LLDPE HOSE AND REGULATOR.
3. PLACE HOSE ACROSS THE ROWS THAT NEED TO BE WATERED. USE TEES AND BALL VALVES TO ARRANGE AND OPERATE SYSTEM AS DESIRED.
4. CUT DRIP TAPE TO DESIRED LENGTHS AND PLACE ALONG ROWS. THE DRIP TAPE MAY/SHOULD BE BURIED.
5. AT EACH ROW PUNCH A HOLE IN THE HOSE AND CONNECT THE HOSE TO THE DRIP TAPE USING THE SUPPLIED ADAPTERS.
6. FLUSH SYSTEM TWICE BY RUNNING WATER BEFORE CLOSING ENDS.
7. CLOSE ENDS OF HOSE USING FIGURE 8 HOSE ENDS OR AUTOMATIC FLUSH VALVES.
8. CLOSE ENDS OF TAPE AS SHOWN (DWG. GK-PG1) , OR WITH AUTO-DRAIN VALVES.
9. FOR BEST RESPONSE IRRIGATE EVERY DAY OR TWO. ALWAYS KEEP THE SOIL VERY MOIST, BUT AVOID "FLOODING" THE ROOT ZONE.
10. AN OPTIONAL MECHANICAL OR BATTERY WATER TIMER MAY BE USED TO TURN WATER ON AND OFF.
11. FERTILIZERS AND OTHER CHEMICALS MAY/SHOULD BE APPLIED WITH THE SYSTEM BY USING A CHEMICAL INJECTOR. TYPE OF SYSTEM WILL DETERMINE WHICH INJECTOR IS NEEDED.
12. WHEN WATER IS NO LONGER NEEDED ON A ROW REMOVE THE ADAPTER AND PLUG THE HOSE. THE USE OF BALL VALVES MAY BE USED ON EACH ROW TO TURN WATER ON AND OFF.
13. A BACK-FLOW PREVENTOR SHOULD BE USED TO PROTECT THE WATER SUPPLY AGAINST CONTAMINATION

INSTALLATION INSTRUCTIONS

GARDEN KIT ITEMS	KIT A (2000 SQFT)	KIT B (16000 SQFT)	KIT C (10000 SQFT)
PRESSURE REGULATOR (5010; 1-8GPM)	1	---	---
PRESSURE REGULATOR (5510; 3-12GPM)	---	1	---
PRESSURE REGULATOR (3/4" IN-LINE; 15PSI) (W/FILTER ADAPTER)	---	---	1
FEMALE HOSE SWIVEL OR HOSE ADAPTER	1	1	1
LLDPE 16MM HOSE (3/4")	100'	---	---
LLDPE 26MM HOSE (1")	---	250'	---
PE OVAL HOSE (1")	---	---	100'
DRIP TAPE	750'	4100'	2000'
ROW FITTING* 1/2" BARB x LOC-SLEEVE	10	20	15
FIGURE 8 16MM HOSE END (3/4")	2	---	---
FIGURE 8 26MM HOSE END OR INSERT PLUG (1")	---	2	2
16MM TEE (3/4")	1	---	---
26MM OR INSERT TEE (1")	---	1	1
TAPE COUPLING	2	2	2
16MM (3/4") BALL VALVE	2	---	---
26MM (1") BALL VALVE	---	2	2
16MM (3/4") COUPLING	2	---	---
26MM OR INSERT (1") COUPLING	---	1	1
T-FILTER OR Y-FILTER 150 MESH	1	1	1
HOLE PUNCH & 10 HOLE PLUGS	1	1	1
26MM RATCHET CLIPS	---	---	12

* MAY SUBSTITUTE ROW VALVES

PARTS LIST

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INSTRUCTIONS & PARTS LIST

DESIGNED BY: IRRIGATION-MART	DRAWN BY: IRRIGATION-MART
DATE: 10/13/09	DRAWING NUMBER: GK-PG2
REVISION: 0	