



CWI & CWC Irrigation Inserts

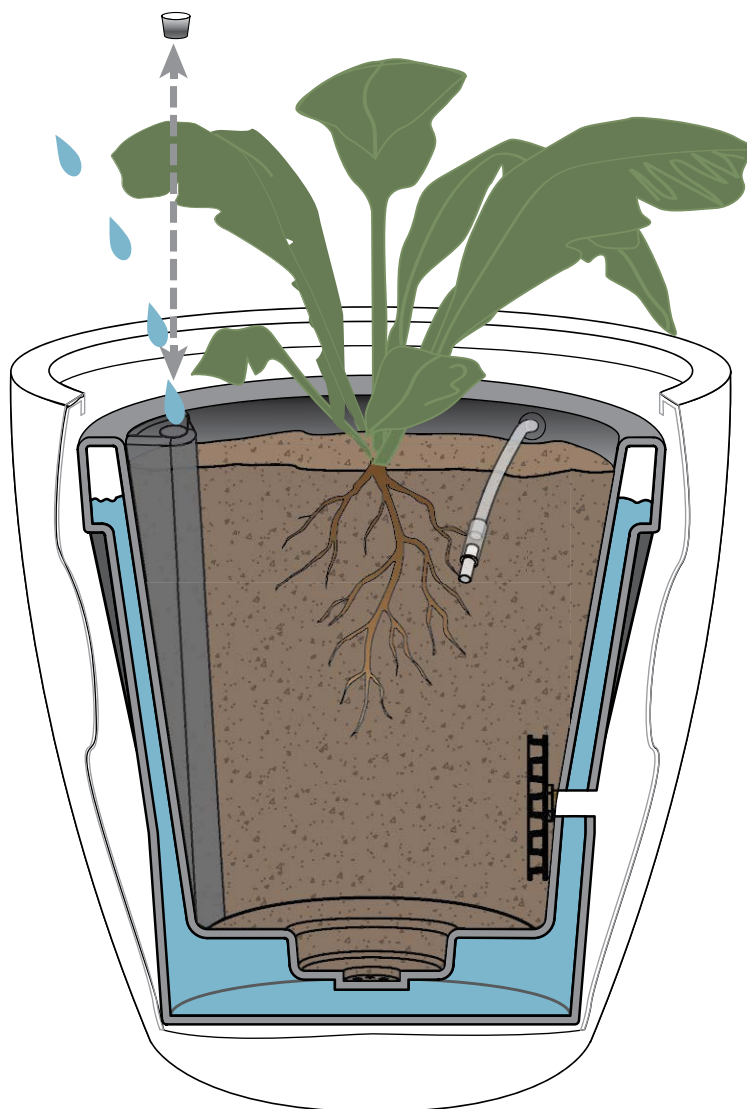
Our inserts are self-watering systems designed to be used in cylindrical and tapered decorative pots. Tournesol's proven vacuum-sensor watering system precisely controls moisture levels, watering the plant when the soil dries. The large reservoir allows for refill intervals up to four times longer than typical hand watering.

This moisture control, when combined with subirrigation, makes the most water-efficient irrigation systems.

CWI & CWC Container Irrigation

How does Self-Contained Insert-Style Irrigation work?

1. The key to the system – A micro-porous sensor tube acts as a simple valve. It allows air to pass when the soil is dry, closes when soil is moist.
2. Reservoir is filled through a hole at the top – the amount of water is dependent on the size of the insert.
3. Once full, the reservoir is closed with a rubber stopper, which creates an airtight seal.
4. When the soil is moist (the plant has water), the sensor is closed and a vacuum is created above the water, preventing it from flowing.
5. When the soil dries, air is allowed through the sensor and breaks the vacuum. Water flows into the soil from holes in the bottom, and wicks up into the soil like a sponge.
6. When the roots become moist, the sensor closes and the vacuum is created – stopping the flow until the plant uses the water and the process starts again.
7. When it rains, excess water builds up in the bottom of the insert until it reaches the overflow hole.



CWI Container Irrigation Insert

- Keeps plants healthy, strong, and stress free, by balancing moisture and oxygen in the soil
- Closed system prevents possibility of water damage for interiors
- Overflow drainage adapter for exterior applications allows excess rainwater to overflow, prevents irrigation water from draining
- Extended maintenance intervals



CWI for Interior Use - no overflow drainage

PRODUCT	DESCRIPTION	DIAMETER	HEIGHT	INTERIOR SIZE	WATER CAPACITY	SOIL VOLUME (CUBIC FT.)	CONTAINER SIZE/RANGE
CWI-1200	CWI Round Irrigation System	12.5"dia	11.25"H	11"dia x 9"H	1.5 gal	0.41	12.75" - 16"
CWI-1400	CWI Round Irrigation System	15.75"dia	14"H	14"dia x 12.75"H	2 gal	0.8	16" - 18.25"
CWI-1650	CWI Round Irrigation System	18"dia	16.75"H	16"dia x 15.25"H	4 gal	1.45	18.25" - 23.5"
CWI-1700	CWI Round Irrigation System	18.25"dia	18.5"H	17"dia x 17"H	4.5 gal	1.7	18.5" - 23.5"
CWI-2200	CWI Round Irrigation System	23.75"dia	19.75"H	21.25"dia x 18"H	8 gal	3	24" +

CWI for Exterior Use - includes overflow drain

PRODUCT	DESCRIPTION	DIAMETER	HEIGHT	INTERIOR SIZE	WATER CAPACITY	SOIL VOLUME (CUBIC FT.)	CONTAINER SIZE/RANGE
CWI-1200-X	CWI Irrigation w/ Exterior Adapter	12.5"dia	11.25"H	11"dia x 9"H	1.5 gal	0.41	12.75" - 16"
CWI-1400-X	CWI Irrigation w/ Exterior Adapter	15.75"dia	14"H	14"dia x 12.75"H	2 gal	0.8	16" - 18.25"
CWI-1650-X	CWI Irrigation w/ Exterior Adapter	18"dia	16.75"H	16"dia x 15.25"H	4 gal	1.45	18.25" - 23.5"
CWI-1700-X	CWI Irrigation w/ Exterior Adapter	18.25"dia	18.5"H	17"dia x 17"H	4.5 gal	1.7	18.5" - 23.5"
CWI-2200-X	CWI Irrigation w/ Exterior Adapter	23.75"dia	19.75"H	21.25"dia x 18"H	8 gal	3	24" +

The CWI Exterior overflow pipe allows excess water to drain, and is necessary when the insert is to be exposed to rainfall.

CWC Tapered Container Irrigation Insert - Rounds

- Keeps plants healthy, strong, and stress free, by balancing moisture and oxygen in the soil
- Closed system prevents possibility of water damage for interiors
- Overflow drainage adapter for exterior applications allows excess rainwater to overflow, prevents irrigation water from draining
- Extended maintenance intervals



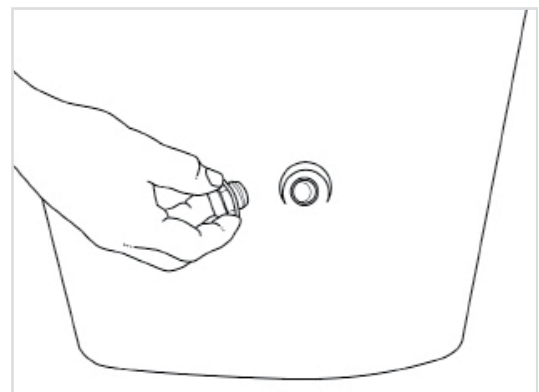
PRODUCT	DESCRIPTION	TOP (DIA)	BOTTOM (DIA)	HEIGHT	INTERIOR SIZE TOP/ BOTTOM (DIA) X HT	WATER CAPACITY	SOIL VOLUME (CUBIC FT.)	CONTAINER SIZE/RANGE
CWC-1216	Tapered Round Irrigation System	12.5"	7.5"	16"H	10.5"/6" x 12"H	1.7 gal	0.32	12.75" - 16"
CWC-1300	Tapered Round Irrigation System	14.5"	8"	13.5"H	13"/6.75" x 12"H	1.2 gal	0.36	16" - 18.25"
CWC-1500	Tapered Round Irrigation System	16.5"	10.5"	15"H	14.5"/8.5" x 13"H	2.25 gal	0.55	18.25" - 23.5"
CWC-1600	Tapered Round Irrigation System	18"	11.5"	17"H	15.7"/10" x 15"H	3.2 gal	0.96	18.5" - 23.5"
CWC-1800	Tapered Round Irrigation System	20.8"	13"	19"H	18"/11.5" x 15"H	4 gal	1.48	24" +
CWC-2100	Tapered Round Irrigation System	23.3"	14.5"	21.5"	20.6"/12" x 19.5"H	6 gal	2.1	24" +
CWC-2400	Tapered Round Irrigation System	26"	15"	21"H	24"/13.5" x 18.75"H	6.5 gal	2.8	27" +
CWC-2500	Tapered Round Irrigation System	27.3"	17.5"	25"H	25"/15" x 22.75"H	7.5 gal	4	28" +

Overflow Drainage Feature

Each CWC container irrigation insert features built-in overflow drainage in the sidewall.

If the container is to be used outdoors, use the insert as is. Excess rainwater will build up in the insert and will flow out as required.

Should the insert be used indoors (or under cover), no overflow is required. Use the drain plug included with each unit.



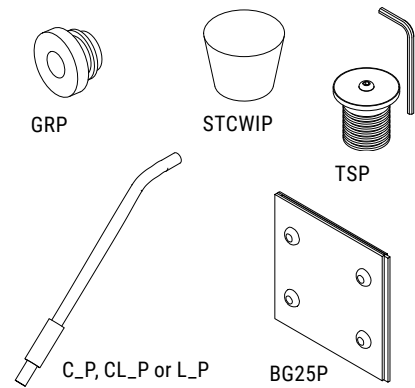
CWC Tapered Container Irrigation Insert - Squares

- Keeps plants healthy, strong, and stress free, by balancing moisture and oxygen in the soil
- Closed system prevents possibility of water damage for interiors
- Overflow drainage adapter for exterior applications allows excess rainwater to overflow, prevents irrigation water from draining
- Extended maintenance intervals



PRODUCT	DESCRIPTION	TOP	BOTTOM	HEIGHT	INTERIOR SIZE TOP/ BOTTOM SQ X HT	WATER CAPACITY	SOIL VOLUME (CUBIC FT.)	CONTAINER SIZE/RANGE
CWC-R1100	Tapered Square Irrigation System	12.5"	10.5"	13.25"H	11"sq/8"sq x 12"H	2 gal	0.47	12.75" - 16"
CWC-R1300	Tapered Square Irrigation System	15.25"	9"	14.75"H	13.25"sq/8"sq x 12.75"H	2.5 gal	0.66	15.75" - 18"
CWC-R1616	Tapered Square Irrigation System	16"	12.7"	11.7"H	14"sq/10"sq x 10"H	2 gal	0.74	16.5" - 18.5"
CWC-R1500	Tapered Square Irrigation System	17"	10"	17"H	15"sq/8"sq x 15"H	3 gal	1.08	17.5" - 20.5"
CWC-R1600	Tapered Square Irrigation System	18.25"	12.1"	18.5"H	18.25"sq/12"sq x 16.5"H	4 gal	1.42	18.75" - 20"
CWC-R1850	Tapered Square Irrigation System	19.75"	13.6"	18.25"H	18.25"sq/12"sq x 17"H	5 gal	1.96	20.25" - 23.5"

Container Irrigation Accessories



PART NUMBER	DESCRIPTION	SYSTEM	QTY PER PACKAGE
C_P	CWI Standard replacement sensors	Specify Specify CWI size	6
CL_P	CWI Long replacement sensors	Specify Specify CWI size	6
L_P	CWC Standard replacement sensors	Specify CWC size	6
S_P	Replacement sensor	Specify Natural Spring planter size	6
BG25P	BioGuard root control squares	Fits all products	25
GRP	Replacement grommets	Fits all products	12
GRP-0	Replacement grommets	Fits Natural Spring before '89	12
STCWIP	CWI Replacement stoppers	Fits all CWI	12
ST6.5P	CWC Replacement stoppers	Fits all CWC	6
TSP	Tamper resistant stoppers, ea.	CWC products	1