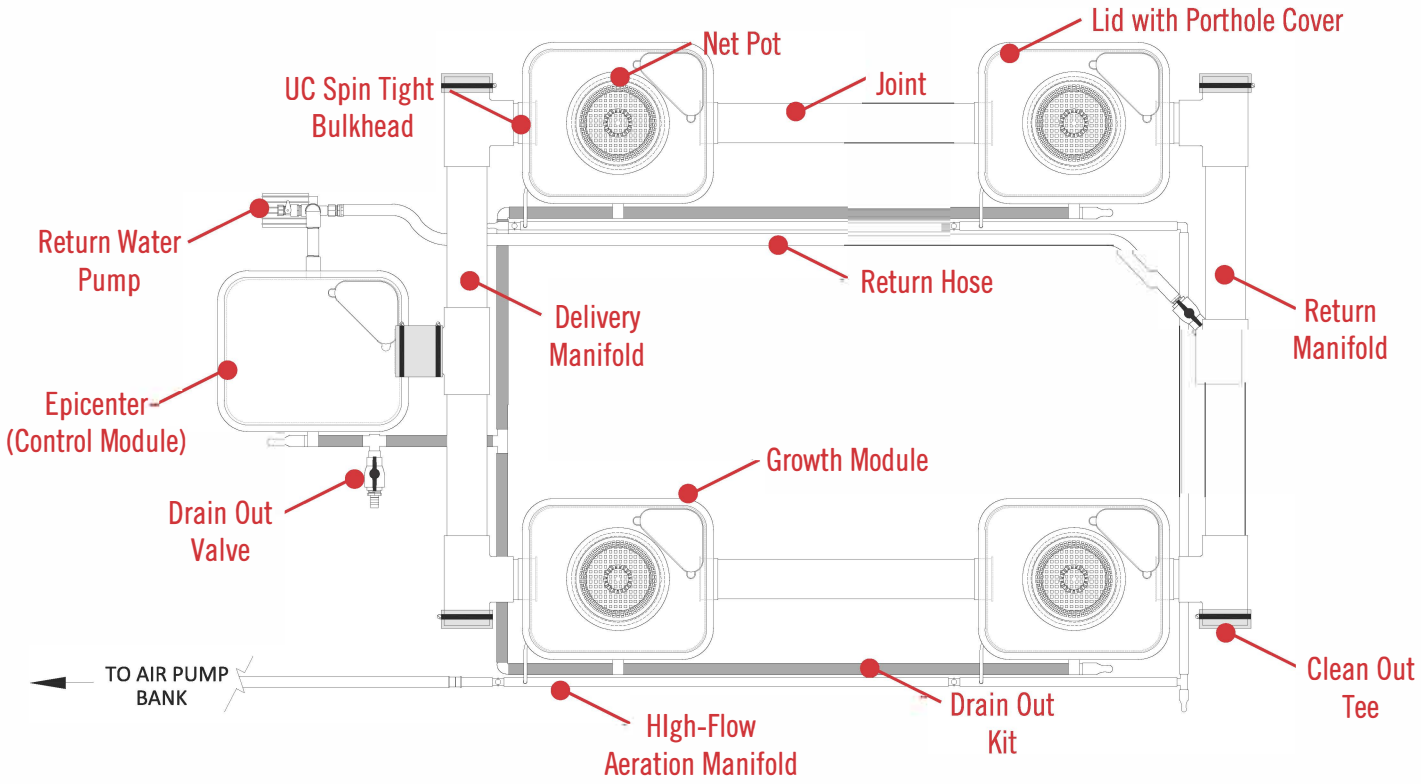
UNDER CURRENT®

Recirculating Deep Water Culture - RDWC

Under Current systems offer a simple-to-operate irrigation pproach, well-suited for applications ranging from CEA indoor to sun-grown greenhouses. RDWC systems recirculate oxygenated nutrient solution through the plant's root zone 24/7 ensuring pH, EC and temperature levels are uniform throughout the system during the growing cycle. This approach results in unmatched productivity, efficiency, and ease of use, and is ideal for integration with automation and fertigation systems for commercial standardization.

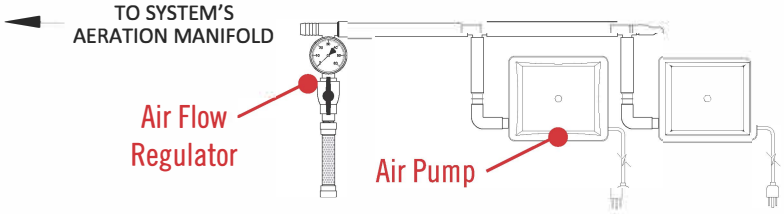


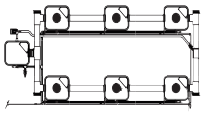
System Feature Overview



AIR PUMP BANK

**Generally located Outside Grow Environment*



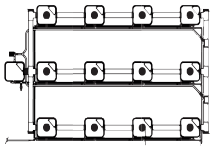


2 ROW UNDER CURRENT® STANDARD

8 GALLON		
# OF SITES	18" CENTERS	25" CENTERS
4	UC4	UC4XL
6	UC6	UC6XL
8	UC8	UC8XL
12	UC12	UC12XL
16	UC16	UC16XL

13 GALLON		
# OF SITES	30" CENTERS	40" CENTERS
4	UC4XL13	UC4XXL13
6	UC6XL13	UC6XXL13
8	UC8XL13	UC8XXL13
12	UC12XL13	UC12XXL13
16	UC16XL13	UC16XXL13



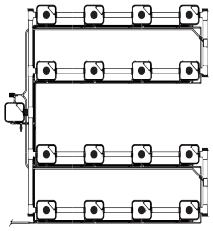


3 ROW UNDER CURRENT® EVOLUTION

8 GALLON		
# OF SITES	18" CENTERS	25" CENTERS
9	UCE9	UCE9XL
12	UCE12	UCE12XL
18	UCE18	UCE18XL
24	UCE24	UCE24XL

13 GALLON		
# OF SITES	30" CENTERS	40" CENTERS
9	UCE9XL13	UCE9XXL13
12	UCE12XL13	UCE12XXL13
18	UCE18XL13	UCE18XXL13
24	UCE24XL13	UCE24XXL13



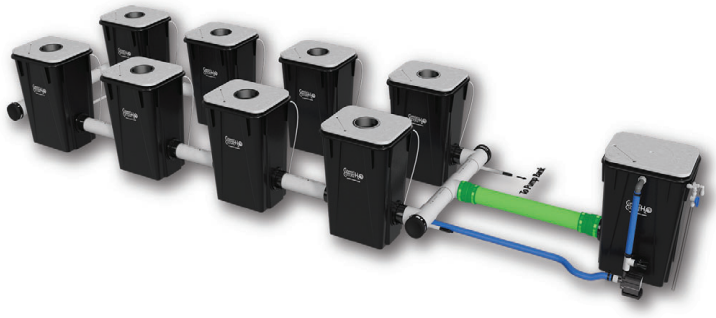


4 ROW UNDER CURRENT® DOUBLE BARREL

8 GALLON		
# OF SITES	18" CENTERS	25" CENTERS
16	UCDB16	UCDB16XL
24	UCDB24	UCDB24XL
32	UCDB32	UCDB32XL

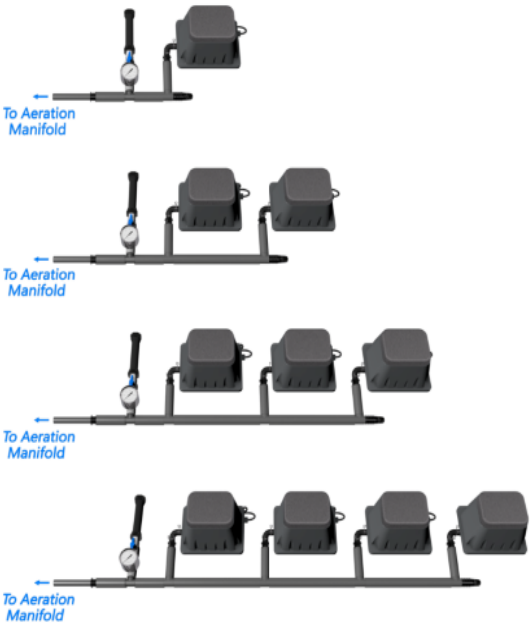
13 GALLON		
# OF SITES	30" CENTERS	40" CENTERS
16	UCDB16XL13	UCDB16XXL13
24	UCDB24XL13	UCDB24XXL13
32	UCDB32XL13	UCDB32XXL13

Remote Epicenter Option



All **Under Current®** systems are available with a "Remote Epicenter" option. This allows growers to place the Epicenter (Control Module) on the outside of their grow space or tent.

PUMP BANK WITH AIR FLOW REGULATOR





UC4



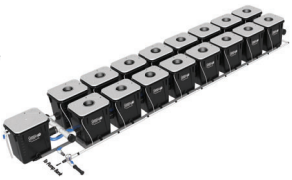
UC6



UC8



UC12



UC16

UNDER CURRENT®

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UC4	Under Current 4	2'10.5" x 5'4.5" / 0.88m x 1.64m
UC6	Under Current 6	2'10.5" x 6'10.5" / 0.88m x 2.10m
UC8	Under Current 8	2'10.5" x 8'4.5" / 0.88m x 2.55m
UC12	Under Current 12	2'10.5" x 11'4.5" / 0.88m x 3.47m
UC16	Under Current 16	2'10.5" x 14'5" / 0.88m x 4.40m



UCE9



UCE12



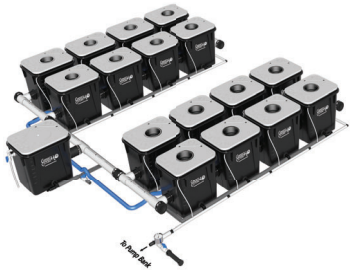
UCE18



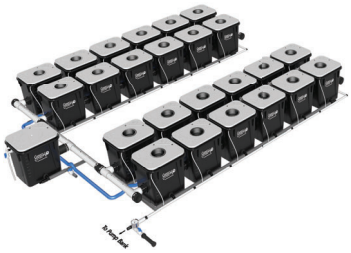
UCE24

UNDER CURRENT®

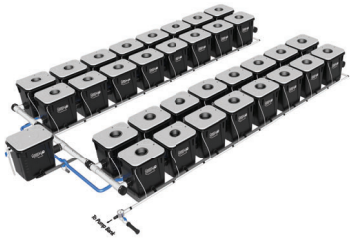
CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCE9	Under Current Evolution 9	4'7" x 6'10.5" / 1.4m x 2.10m
UCE12	Under Current Evolution 12	4'7" x 8'4.5" / 1.4m x 2.55m
UCE18	Under Current Evolution 18	4'7" x 11'4.5" / 1.4m x 3.47m
UCE24	Under Current Evolution 24	4'7" x 14'4.5" / 1.4m x 4.40m



UCDB16



UCDB24



UCDB32

UNDER CURRENT® DOUBLE BARREL

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCDB16	Under Current Double Barrel 16	8'9" x 8'4.5" / 2.67m x 2.55m
UCDB24	Under Current Double Barrel 24	8'9" x 11'4.5" / 2.67m x 3.47m
UCDB32	Under Current Double Barrel 32	8'9" x 14'4.5" / 2.67m x 4.40m



UC4XL



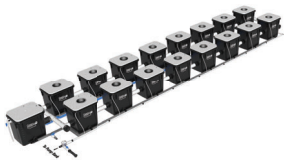
UC6XL



UC8XL



UC12XL



UC16XL

UNDER CURRENT® XL

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UC4XL	Under Current 4XL	3'2.5" x 5'11.5" / 0.98m x 1.82m
UC6XL	Under Current 6XL	3'2.5" x 8'0.5" / 0.98m x 2.45m
UC8XL	Uc8xl Under Current 8XL	3'2.5" x 10'1.5" / 0.98m x 3.09m
UC12XL	Uc12xl Under Current 12XL	3'2.5" x 14'3.5" / 0.98m x 4.36m
UC16XL	Uc16xl Under Current 16XL	3'2.5" x 18'5.5" / 0.98m x 5.63m



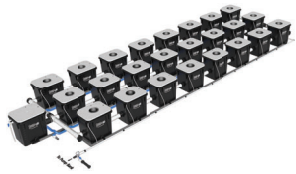
UCE9XL



UCE12XL



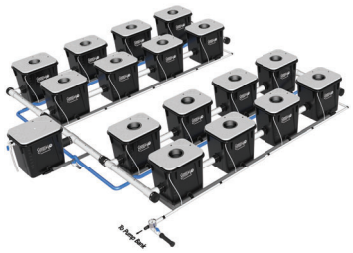
UCE18XL



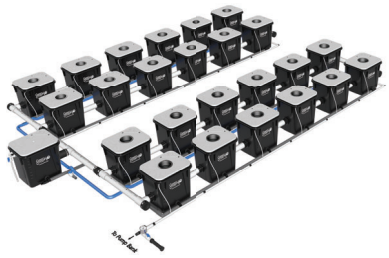
UCE24XL

UNDER CURRENT®

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCE9XL	Under Current Evolution 9XL	5'2.5" x 8'0.5" / 1.59m x 2.45m
UCE12XL	Under Current Evolution 12XL	5'2.5" x 10'1.5" / 1.59m x 3.09m
UCE18XL	Under Current Evolution 18XL	5'2.5" x 14'3.5" / 1.59m x 4.36m
UCE24XL	Under Current Evolution 24XL	5'2.5" x 18'5.5" / 1.59m x 5.63m



UCDB16XL



UCDB24XL



UCDB32XL

UNDER CURRENT® DOUBLE BARREL XL

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCDB16XL	Under Current Double Barrel 16XL	9'4.5" x 10'1.5" / 2.86 x 3.09m
UCDB24XL	Under Current Double Barrel 24XL	9'4.5" x 14'3.5" / 2.86m x 4.36m
UCDB32XL	Under Current Double Barrel 32XL	9'4.5" x 18'5.5" / 2.86m x 5.63m



UC4XL13



UC6XL13



UC8XL13



UC12XL13



UC16XL13

UNDER CURRENT® XL13

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UC4XL13	Under Current 4XL13	3'8" x 6'8.5" / 1.12m x 2.04m
UC6XL13	Under Current 6XL13	3'8" x 9'2.5" / 1.12m x 2.81m
UC8XL13	Uc8xl Under Current 8XL13	3'8" x 11'8.5" / 1.12m x 3.57m
UC12XL13	Uc12xl Under Current 12XL13	3'8" x 16'8.5" / 1.12m x 5.09m
UC16XL13	Uc16xl Under Current 16XL13	3'8" x 21'8.5" / 1.12m x 6.62m



UCE9XL13



UCE12XL13



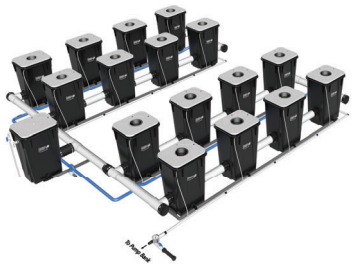
UCE18XL13



UCE24XL13

UNDER CURRENT® EVOLUTION XL13

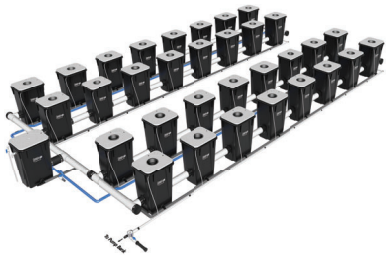
CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCE9XL13	Under Current Evolution 9XL13	6'2" x 9'2.5" / 1.88m x 2.81m
UCE12XL13	Under Current Evolution 12XL13	6'2" x 11'8.5" / 1.88m x 3.57m
UCE18XL13	Under Current Evolution 18XL13	6'2" x 16'8.5" / 1.88m x 5.09m
UCE24XL13	Under Current Evolution 24XL13	6'2" x 21'8.5" / 1.88m x 6.62m



UCDB16XL13



UCDB24XL13



UCDB32XL13

UNDER CURRENT® DOUBLE BARREL XL13

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCDB16XL13	Under Current Double Barrel 16XL13	11'2" x 11'8" / 3.40m x 3.57m
UCDB24XL13	Under Current Double Barrel 24XL13	11'2" x 16'8.5" / 3.4m x 5.09m
UCDB32XL13	Under Current Double Barrel 32XL13	11'2" x 21'8.5" / 3.40m x 6.62m



UC4XXL13



UC6XXL13



UC8XXL13



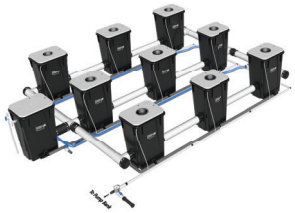
UC12XXL13



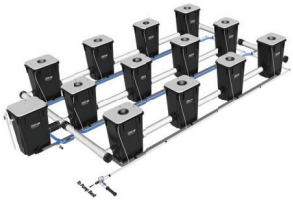
UC16XXL13

UNDER CURRENT® XXL13

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UC4XXL13	Under Current 4XXL13	4'6" x 7'6.5" / 1.37m x 2.30m
UC6XXL13	Under Current 6XXL13	4'6" x 10'10.5" / 1.37m x 3.31m
UC8XXL13	Uc8xl Under Current 8XXL13	4'6" x 14'2.5" / 1.37m x 4.33m
UC12XXL13	Uc12xl Under Current 12XXL13	4'6" x 20'10.5" / 1.37m x 6.36m
UC16XXL13	Uc16xl Under Current 16XXL13	4'6" x 27'6.5" / 1.37m x 8.39m



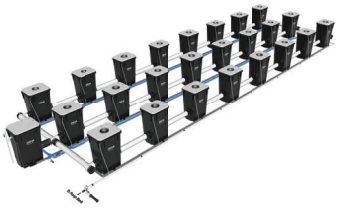
UCE9XXL13



UCE12XXL13



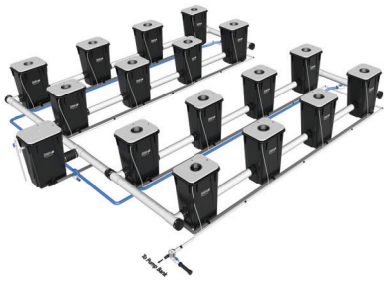
UCE18XXL13



UCE24XXL13

UNDER CURRENT® EVOLUTION XXL13

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCE9XXL13	Under Current Evolution 9XXL13	7'10" x 10'10.5" / 2.39m x 3.31m
UCE12XXL13	Under Current Evolution 12XXL13	7'10" x 14'2.5" / 2.39m x 4.33m
UCE18XXL13	Under Current Evolution 18XXL13	7'10" x 20'10.5" / 2.39m x 6.36m
UCE24XXL13	Under Current Evolution 24XXL13	7'10" x 27'6.5" / 2.39m x 8.39m



UCDB16XXL13



UCDB24XXL13



UCDB32XXL13

UNDER CURRENT® DOUBLE BARREL XXL13

CODE	PRODUCT DESCRIPTION	SYSTEM DIMENSIONS
UCDB16XXL13	Under Current Double Barrel 16XXL13	12'10" x 14'2.5" / 3.91m x 4.33m
UCDB24XXL13	Under Current Double Barrel 24XXL13	12'10" x 20'10.5" / 3.91m x 6.36m
UCDB32XXL13	Under Current Double Barrel 32XXL13	12'10" x 27'6.5" / 3.91m x 8.39m

UNDER CURRENT®

Growth Module Dimensions & Volumes

Part	Description	Dimensions (LxWxH)	Volume (GAL/LT)
MMOD8-GROWTH	MULTI-MOD GROWTH MODULE 8-GALLON	16.5" x 14.25" x 15.25"	8/30
MMOD13-GROWTH	MULTI-MOD GROWTH MODULE 13-GALLON	16.5" x 14.25" x 23"	13/50

Power Requirements

*EACH UNDER CURRENT SYSTEM'S WATER/AIR PUMPS ARE SIZED FOR THE TOTAL SYSTEM VOLUME, ASK YOUR SALES CONSULTANT FOR SPECIFIC WATER/AIR PUMPS INCLUDED WITH YOUR MODEL.

WATER PUMPS

Manufacturer	Model	Output	Max. Watts/Amps (@120V)	Inlet	Outlet
Danner	Mag Drive 500	500gph	45/0.9	1/2" FPT	1/2" MPT
Danner	Mag Drive 700	700gph	70/1.6	1/2" FPT	1/2" MPT
Danner	Mag Drive 950	950gph	93/1.33	3/4" FPT	3/4" MPT
Danner	Mag Drive 1200	1200gph	110/1.5	3/4" FPT	3/4" MPT
Danner	Mag Drive 1800	1800gph	145/1.55	3/4" FPT	3/4" MPT
Danner	Mag Drive 2400	2400gph	237/2.2	1" FPT	1" MPT

AIR PUMPS

Manufacturer	Model	Output	Max. Watts/Amps (@120V)	Outlet
Alita	AL-40	40 LPM, 1.4 CFM	46/0.9	3/4"
Alita	AL-60	60 LPM, 2.1 CFM	60/1.6	3/4"
Alita	AL-80	80 LPM, 2.8 CFM	85/1.33	3/4"
Pentair	S11	364 LPM, 13 CFM	900/2.0	1"
Pentair	S21	756 LPM, 27 CFM	1800/3.8	1"
Pentair	S31	952 LPM, 34 CFM	2000/5.6	1.5"
Pentair	S41	1960 LPM, 70 CFM	4000/9.8	1.5"
Pentair	S45	3080 LPM, 110 CFM	9000/10.4 (@240V)	2"

Plumbing

Interface	Size/Connection Type
Float Valve Inlet	1/2" OD Hose/Female Push-Connect
Reservoir Adapter Kit Outlet	1/2" OD Hose/Female Push-Connect
Drain Out Valve	1" ID Hose/1" Barb
Water Pump Output Bypass	3/4" Garden Hose/3/4" MGHT,
High Flow Aeration Manifold	3/4" Hose/3/4" Barb

UNDER CURRENT®

Materials

Part Name	Description	Size	Material	Color/Attributes
Multi-Mod	Plant Growth Module	8-gallon, 13-gallon	Polypropylene (PP)	Black, UV Resistant
CCH2O Lid	Lid for Growth Module	One Size	Acrylonitrile Butadiene Styrene (ABS)	White, UV Resistant
CCH2O Net Pot	Mesh Basket to Hold Plant	5.5", 8"	Polypropylene (PP)	Black, UV Resistant
UC Spin Tight Bulkhead	Module/Pipe Interface	2", 3"	Acrylonitrile Butadiene Styrene (ABS)	Black, UV Resistant
Manifold Piping	Module to Module Plumbing	2", 3"	Acrylonitrile Butadiene Styrene (ABS)	White
Manifold Fittings	Pipe Fittings - Tees, Nipples, Ball Valves	2", 3"	Polyvinyl Chloride (PVC)	White
Manifold Caps/Sleeves	Pipe Fitting Caps & Connecting Sleeves	2", 3"	Vinyl	Black
Multi-Mod Drop Tee	Growth Module Drain Fitting	1" Barb	Acrylonitrile Butadiene Styrene (ABS)	Black, UV Resistant
CCH2O Bulkhead Filter	Screen Filter for Bulkheads	2", 3"	Polypropylene (PP)	Black
Float Valve	Maintains Water Level	1/2" MPT	Polyvinyl Chloride (PVC)	Grey, White
Mazzei Injector	Venturi Injector (Add Back Kit)	3/4" MPT	Nylon	Black
Return Water Hose	Manifold to Pump Connection	1.25" OD, 1" ID	Flexible Polyvinyl Chloride (FPVC)	Blue
Drain Hose	Connects Drop Tee Drain Fittings	1.25" OD, 1" ID	Flexible Polyvinyl Chloride (FPVC)	Grey
Aeration Hose	Connects Air Pump to Air Stones	0.170", 3/4", 1"	Ethylene Vinyl Acetate (EVA)	White
Top-Off Hose	Connects Float Valve to Reservoir	1/2" OD	Polyethylene (PE)	Blue
Add-Back Kit Hose	Attaches to Mazzei Injector	3/8"	Flexible Polyvinyl Chloride (FPVC)	Clear
Uniseal	Rubber Grommet	1"	Rubber	Black
Grommet	Air Line Inlet	3/8"	Rubber	Black
Y-Splitter	Conjoins 2 Return Hoses	1" Barb	Nylon	Natural
Bulkhead Gasket	Creates Seal in Bulkhead	2", 3"	Rubber	Black
Bulkhead O-Ring	Creates Seal in Bulkhead	2", 3"	Rubber	Black
Air Stone	Creates Air Bubbles	N/A	Glass Bonded Silica	Grey, White
Push-Connect Fittings	Used in Add-Back Kit	3/8"	Polypropylene (PP)	White
1/4" Aeration Fittings	Used in Aeration Manifold	1/4" barb	Acrylonitrile Butadiene Styrene (ABS)	Black
3/4" Aeration Manifold Fittings	Used in Aeration Manifold	3/4"	Acrylonitrile Butadiene Styrene (ABS)	Black
1" Drain Manifold Fittings	Used in Drain Manifold	1"	Acrylonitrile Butadiene Styrene (ABS)	Black
Drain & Aeration Manifold Caps	Used in Drain/Aeration Manifold	3/4", 1"	Vinyl	Black

Warranty

Current Culture H2O Limited 3-Year Warranty

This limited warranty applies only to full systems manufactured at Current Culture H2O in Fresno, CA.

Warranty Includes

- All individual components manufactured by Current Culture H2O come standard with a THREE year limited warranty.
- All Air & Water pumps are covered by their specific manufacturer's warranty. Manufacturer instructions and warranty information booklets are provided with each pump. If any issues with these units covered within their individual warranties should occur, please contact the manufacturer for repair or replacement.

Warranty Excludes

- This limited warranty excludes any components considered to be expendable (i.e. hoses, air diffusers, net pots,seals, etc.). These items should be replaced periodically to ensure proper system functionality.

Review our full warranty along with return information at: www.cch2o.com/warranty/