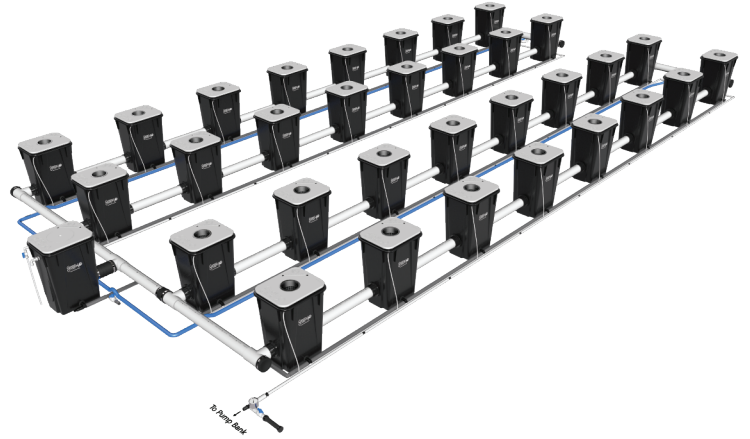


## SYSTEM SPECIFICATIONS

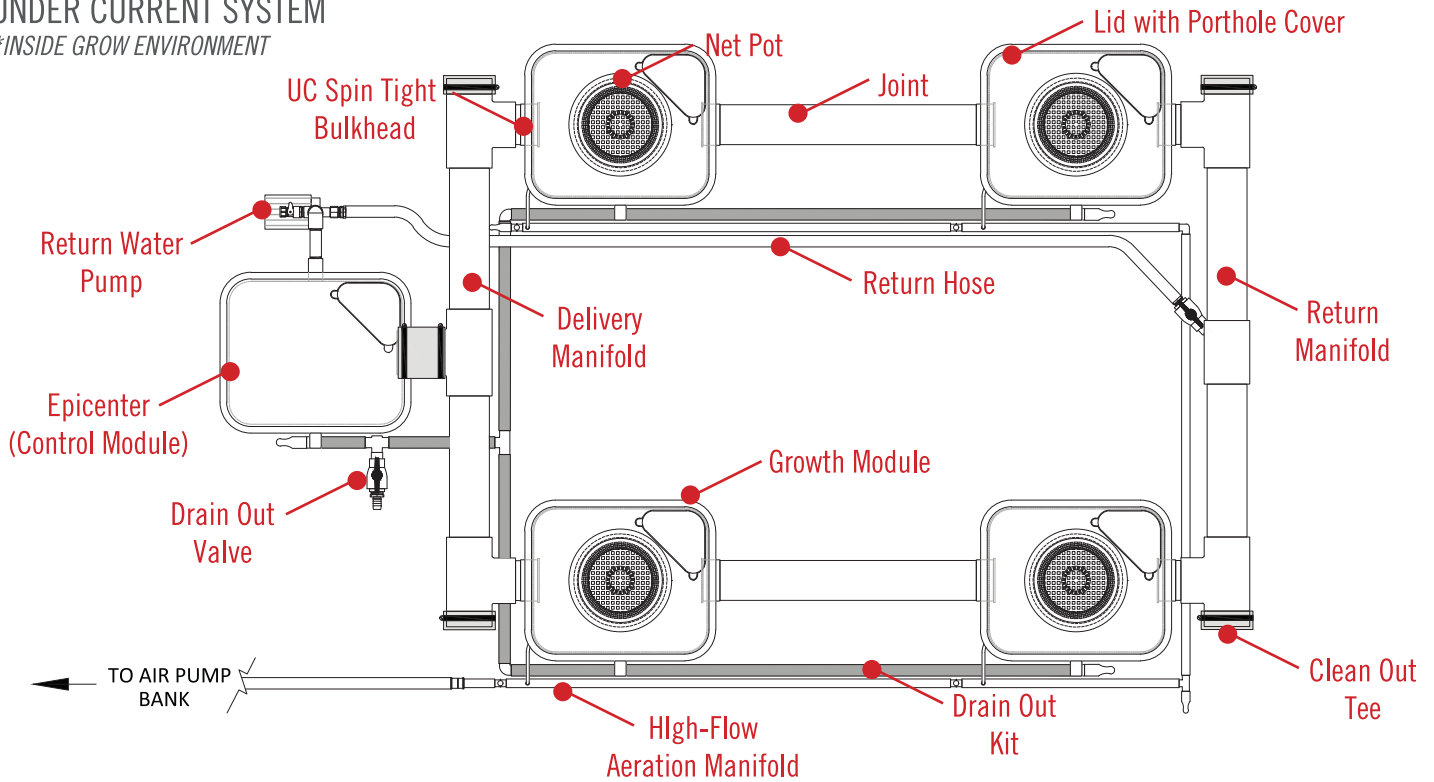
The Under Current® features the patented Sub-Current Culture® circulation method. This high-performance water culture system is unmatched in efficiency, layout versatility and ease of use. The Under Current® utilizes negative water pressure to recirculate oxygenated nutrient solution through the plant's root zone ensuring pH and EC levels are uniform throughout the entire system.



## Parts Overview

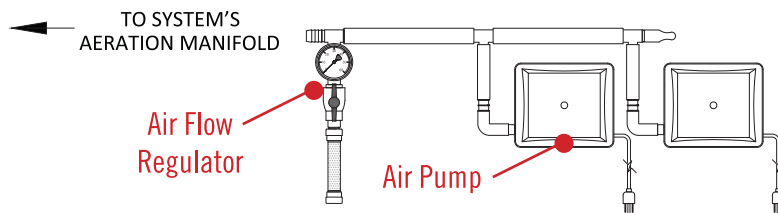
### UNDER CURRENT SYSTEM

*\*INSIDE GROW ENVIRONMENT*



### AIR PUMP BANK

*\*OUTSIDE GROW ENVIRONMENT*



## SYSTEM SPECIFICATIONS

### Growth Module Dimensions & Volumes

Part Name	External Dimensions (LxWxH)	Internal Dimensions (LxWxH)	Volume (GAL/LT)
MULTI-MOD 8-GALLON	16.5" x 14.25" x 15.25"	14" x 11" x 12.5" (*at base)	8gal/30L
MULTI-MOD 13-GALLON	16.5" x 14.25" x 23"	13" x 10" x 20" (*at base)	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

## SYSTEM SPECIFICATIONS

### 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/](http://www.cch2o.com/warranty/)

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