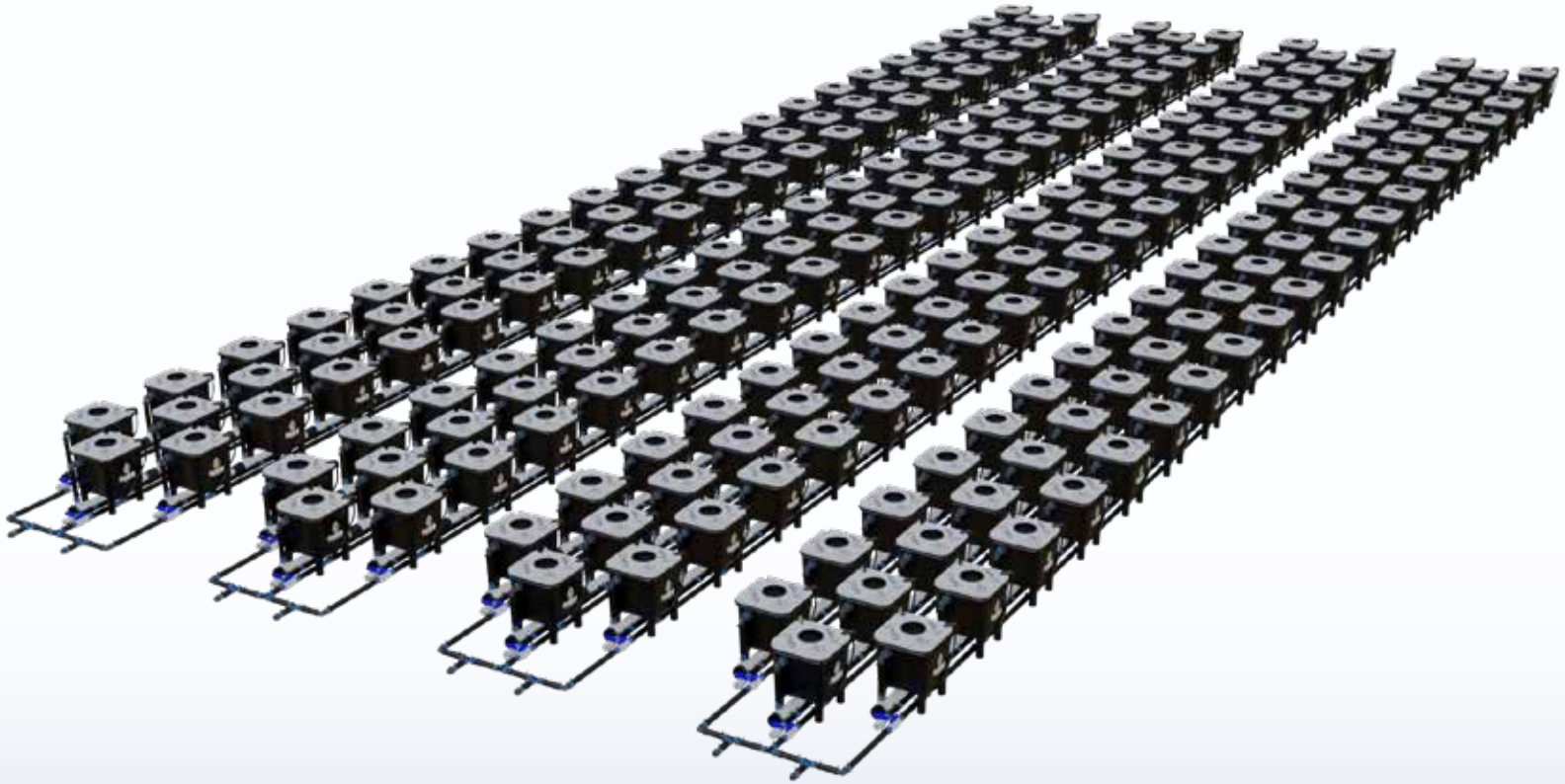
PRODUCT GUIDE

HydraMax™

Commercial Product and Installation Guide



hydra® UNLIMITED

PRODUCT GUIDE

Welcome

This guide presents a series of informative diagrams that illustrate the assembly process of a HydraMax commercial system. It offers a clear understanding of the system's functionality and provides various layout options. The HydraMax system is designed to seamlessly integrate with your facility's existing equipment, such as reservoirs and pumps. Hydra Unlimited specializes in designing tailored layouts that cater to the unique requirements of your facility.

FULL SYSTEM OVERVIEW

This is an overview of the HydraMax commercial system layout. For clarity purposes, only 3 buckets are shown here.

Supply

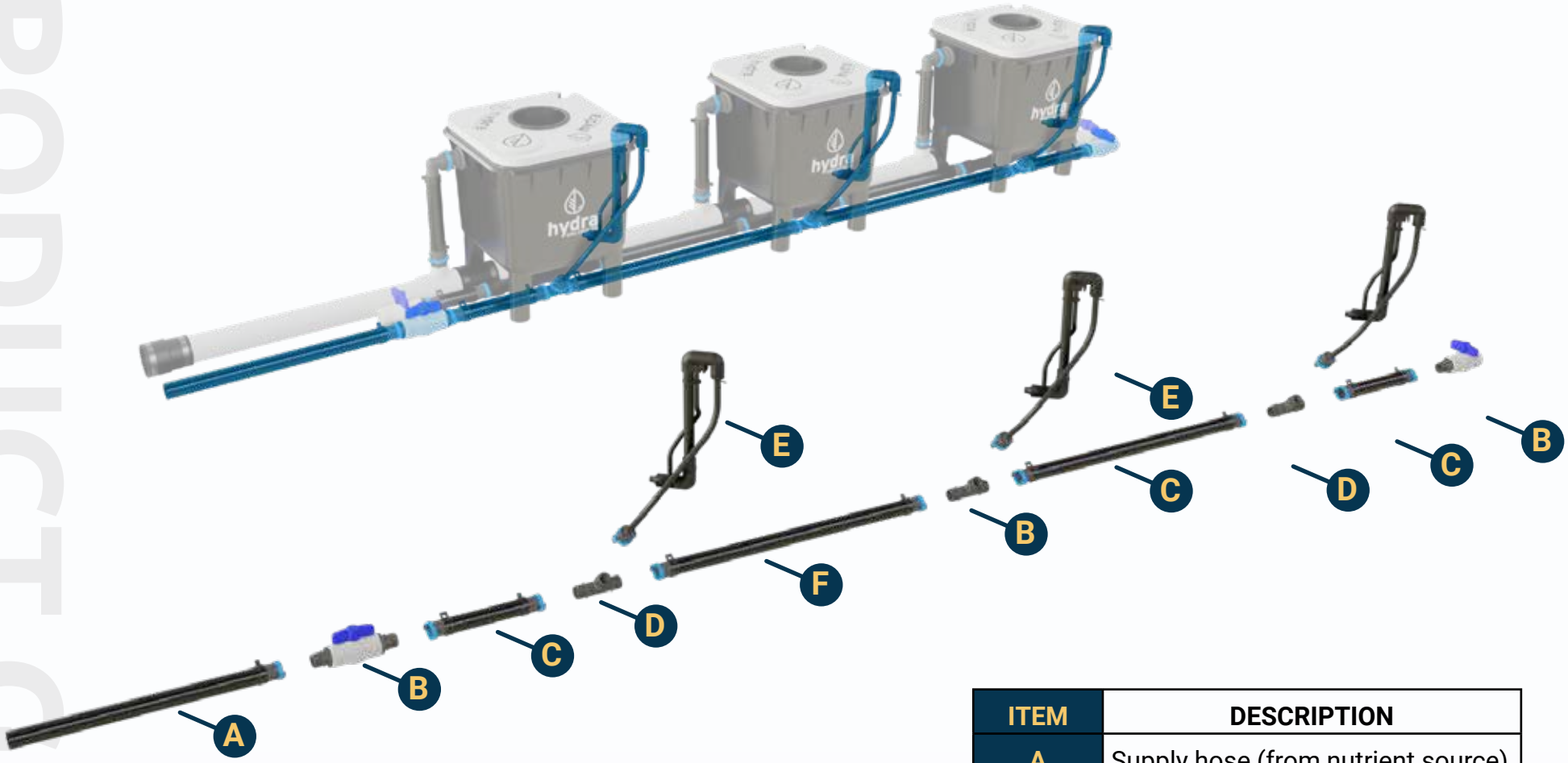
Return

Drain

NOTES:

- Supply and return lines can be installed to supply/send water from/to either direction. (see page 6)
- Both drain ball vales should be in the closed position when not actively draining the system.
- Supply side ball valve should be open while the ball valve at the end of the line should remain closed.
- Be sure to put all Qwik-Lok sockets into the locked position.

SUPPLY LINES OVERVIEW

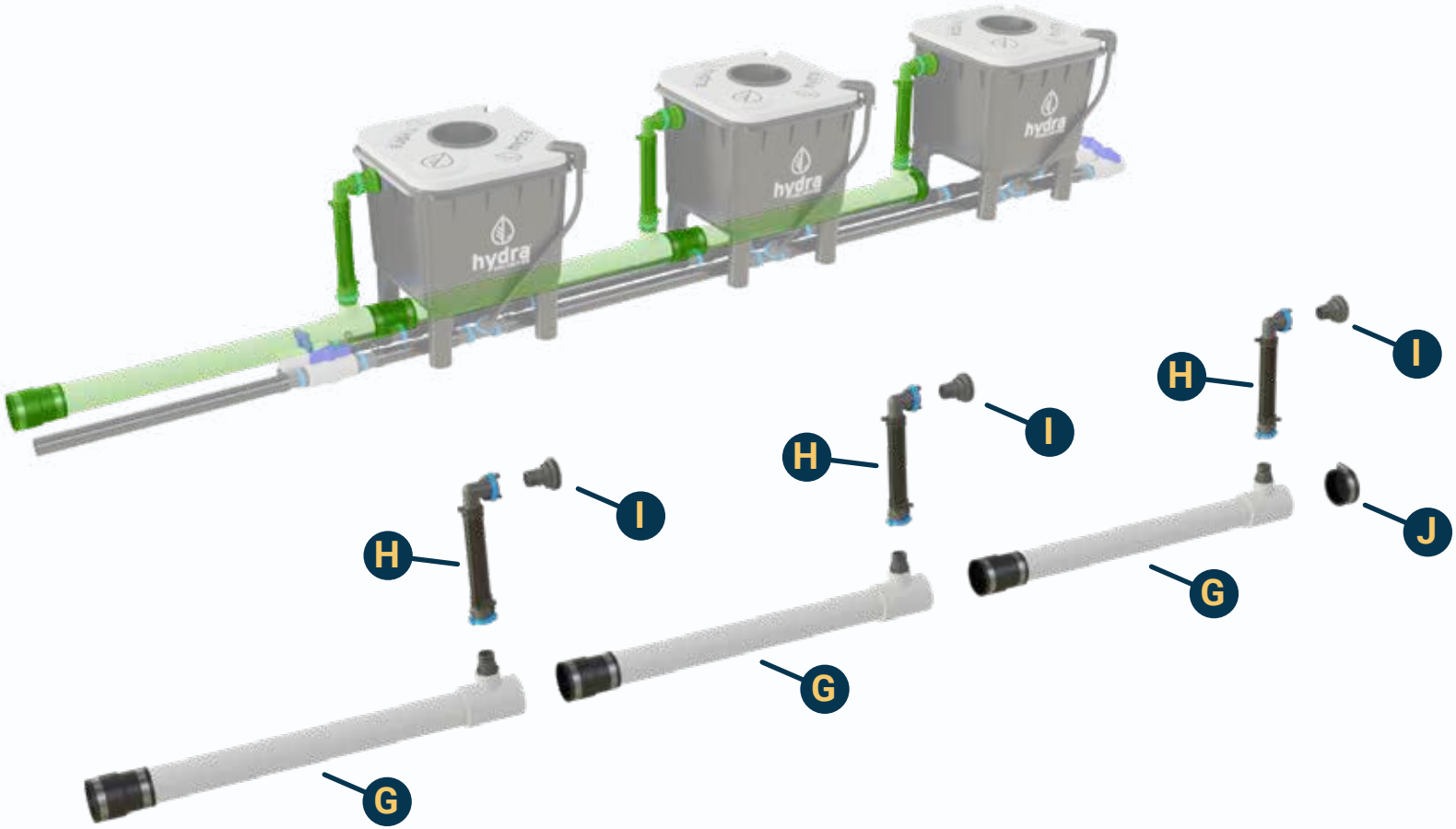


ITEM	DESCRIPTION
A	Supply hose (from nutrient source)
B	Ball Valve
C	Short Hose
D	Supply Tee
E	6” Hose, straight x male adapter
F	Long Hose

NOTES:

- Supply lines can be installed to supply water from either direction.
- Supply side ball valve should be open while the ball valve at the end of the line should remain closed.
- Be sure to put all Qwik-Lok sockets into the locked position.

RETURN LINES OVERVIEW

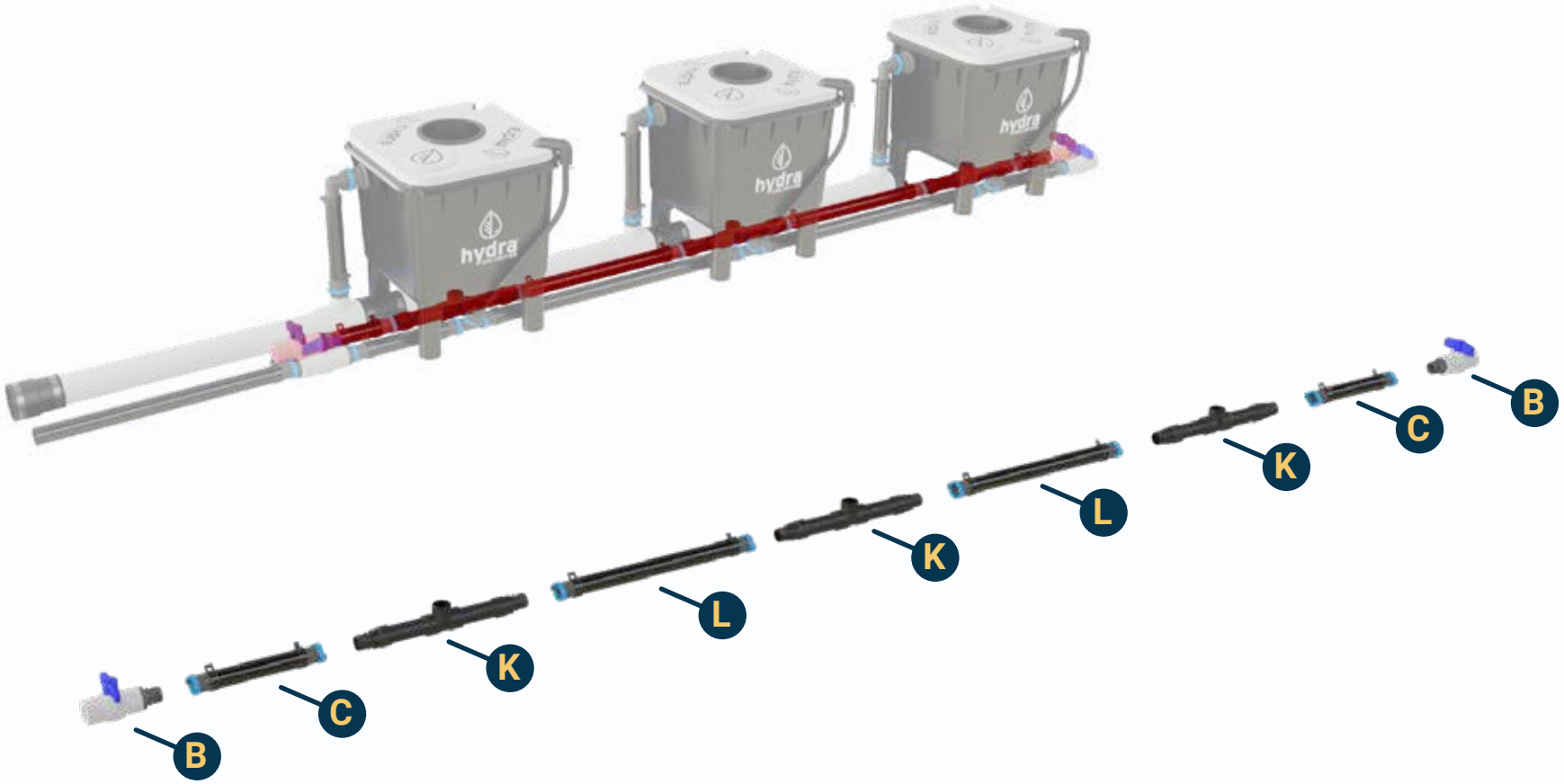


NOTES:

- Return lines can be installed to send water from either direction.
- Fasten all band clamps securely.
- Be sure to put all Qwik-Lok sockets into the locked position.

ITEM	DESCRIPTION
G	Return pipe
H	Overflow hose (straight x elbow)
I	Bucket Thru-Hull w/ nut
J	Return pipe end cap

DRAIN LINES OVERVIEW



NOTES:

- System may be drained from either end.
- Both drain ball vales should be in the closed position when not actively draining the system.
- Be sure to put all Qwik-Lok sockets into the locked position.

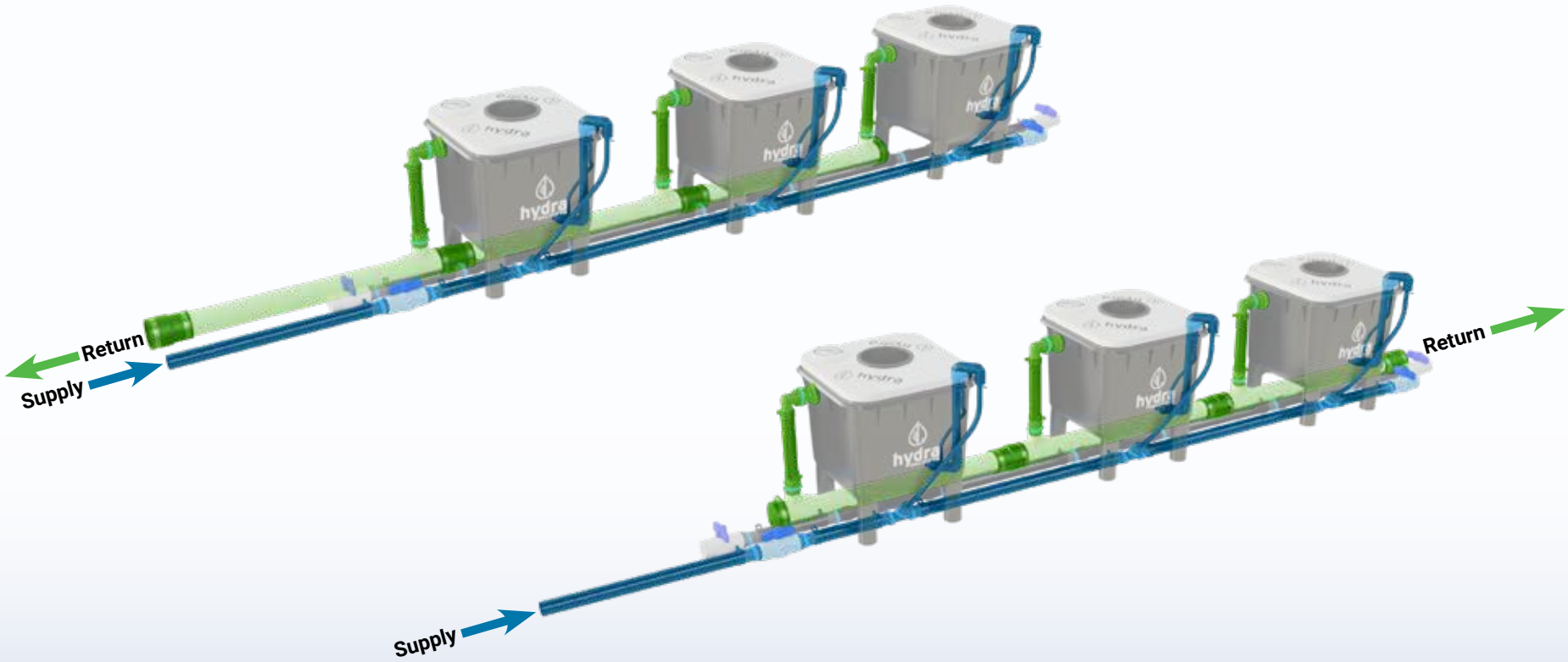
ITEM	DESCRIPTION
B	Ball Valve
C	Short Hose
K	Drain reciever
L	Medium length hose

ALTERNATE LAYOUT

Supply

Return

In certain scenarios, it can be more advantageous to bring the supply water in from one end while allowing the return water to exit from the opposite end. This convenient arrangement can be effortlessly achieved with HydraMax, as demonstrated below.



BUCKET ASSEMBLY

PRO TIPS:

- Locate and identify all parts before beginning assembly.
- Once legs are in place, press bucket down firmly to fully seat each leg.
- Inspection port cover includes a slotted area to allow for probes or tubing to enter the bucket. Keep the port closed when not in use.

ITEM	DESCRIPTION
A	8-Gallon bucket
B	Bucket Lid
C	Inspection port lid
D	Bucket Leg
E	5.5” Net pot

CIRCULATORS

The circulator may be installed in any corner with the support bracket as shown.

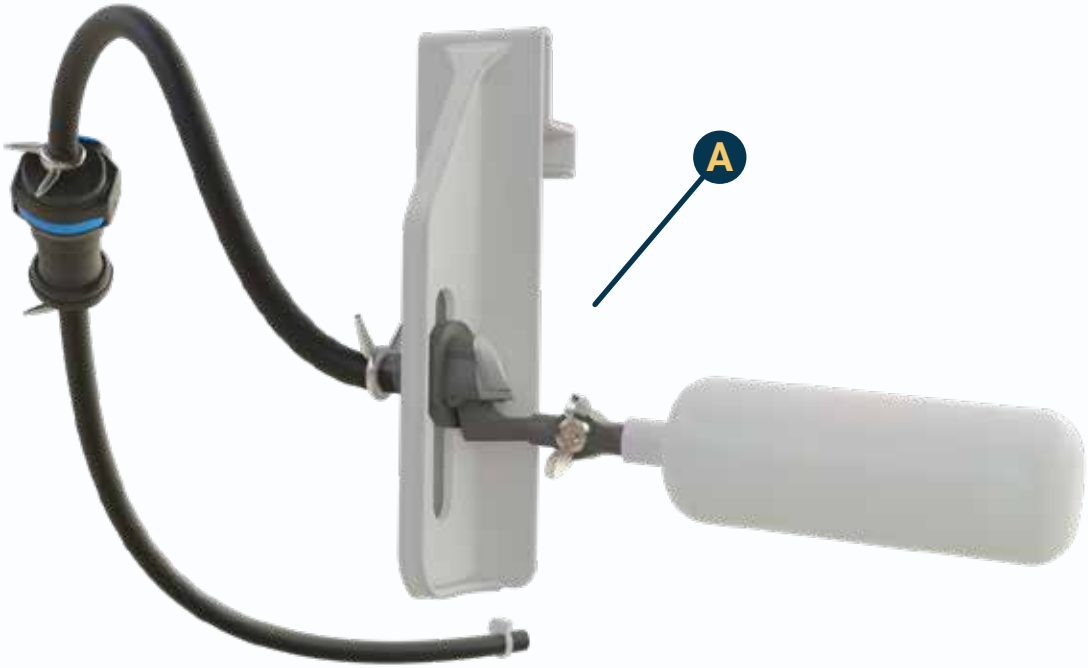
Place one circulator in the corner of each bucket and connect to supply line tee.

PRO TIPS:

- Locate and identify all parts before beginning assembly.
- Place a hose and ball vale at the end of each row.
- Be sure to lock each Qwik-Lok socket once connected.
- Make sure all three valves are in the closed position.

ITEM	DESCRIPTION
A	Circulator
B	Spring Clamp
C	3/8” Tubing

REFILL VALVE



PRO TIPS:

- Locate and identify all parts before beginning assembly.
- Slide valve into aproximate desired water level location and the fine tune the float witht he wing nut.
- Refill valve may be placed in any bucket in the system. Use the bucket most convienient to your water supply.

ITEM	DESCRIPTION
A	Refill Valve Assembly