

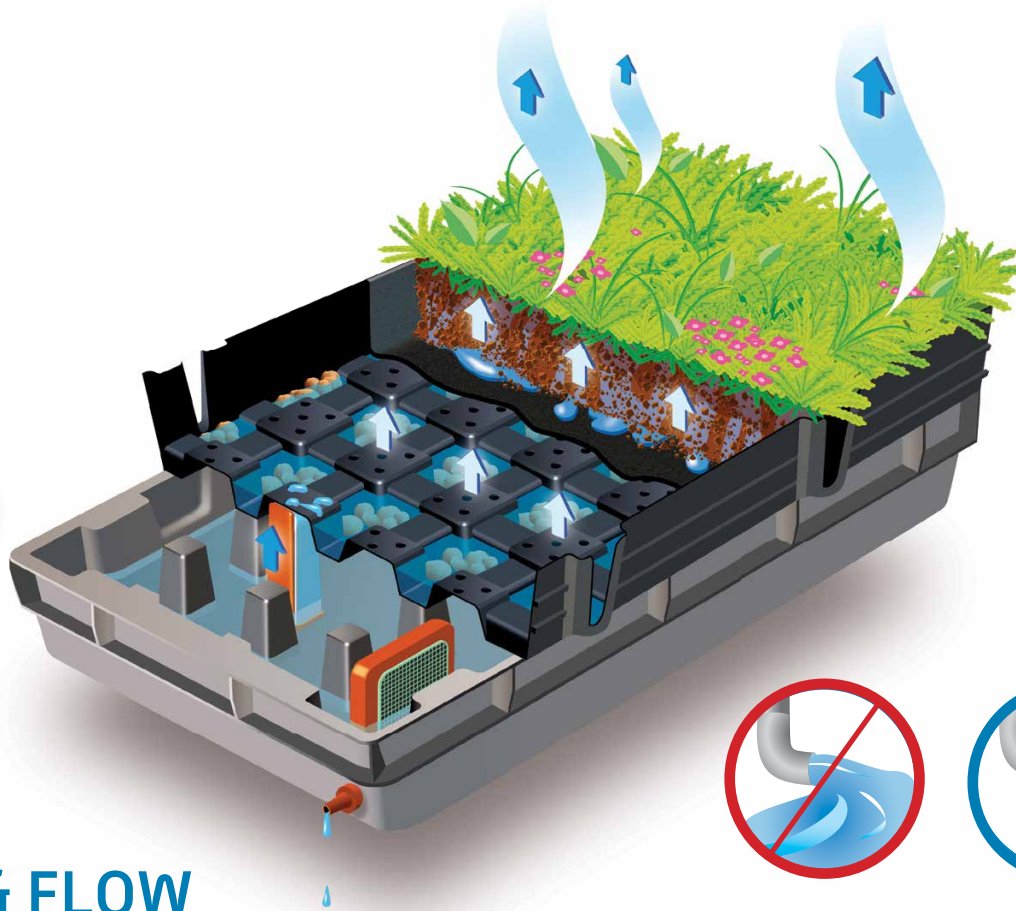


Stormwater Management



## THE NEW GREEN ROOF STORMWATER MANAGEMENT SOLUTION

PATENTED  
SYSTEM

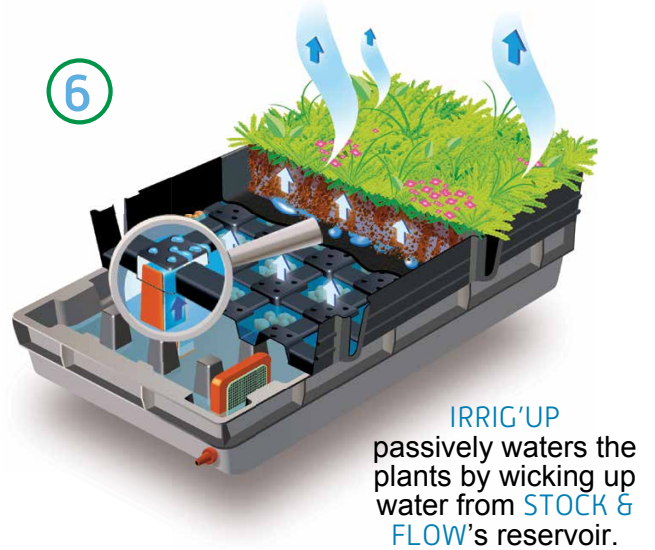
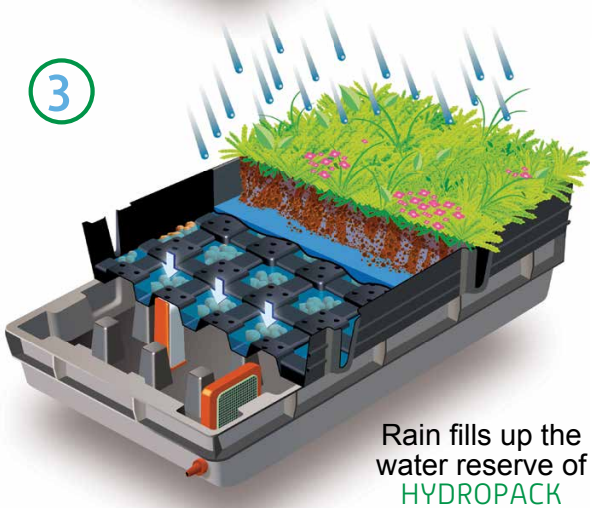
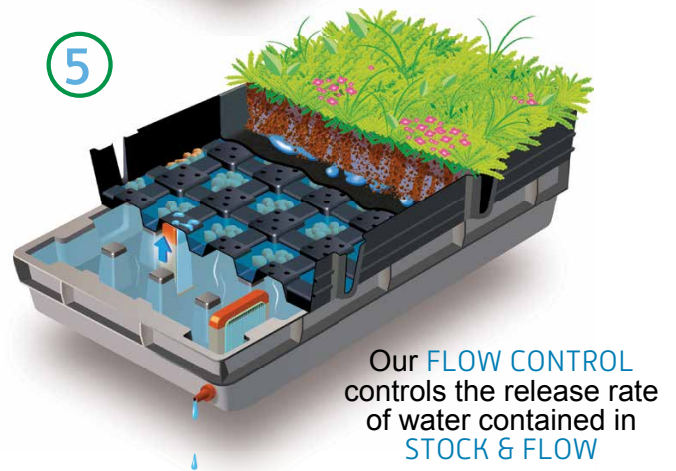
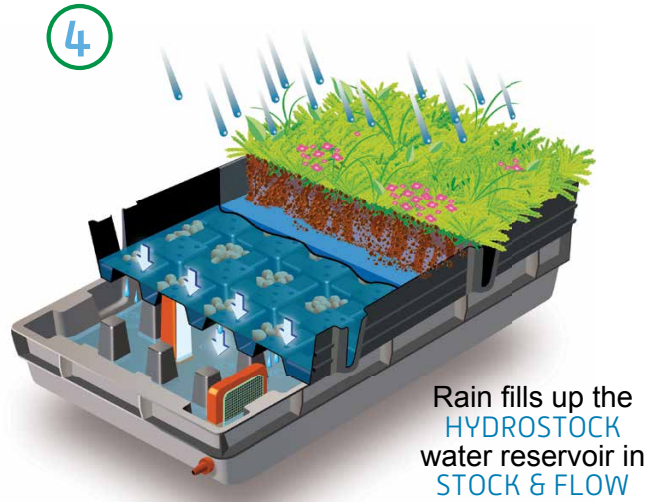
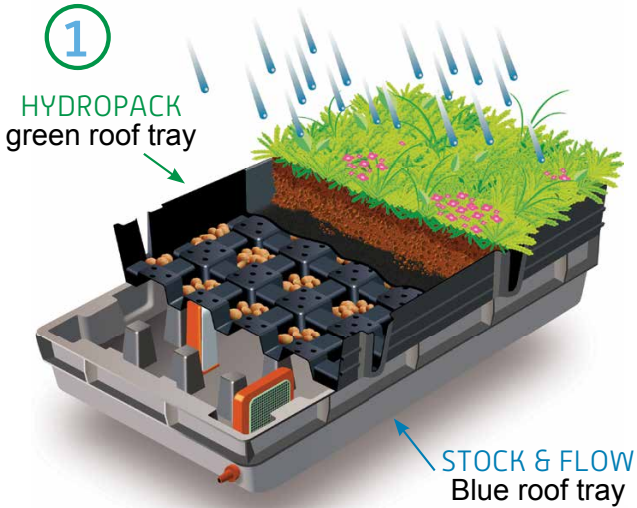


### STOCK & FLOW

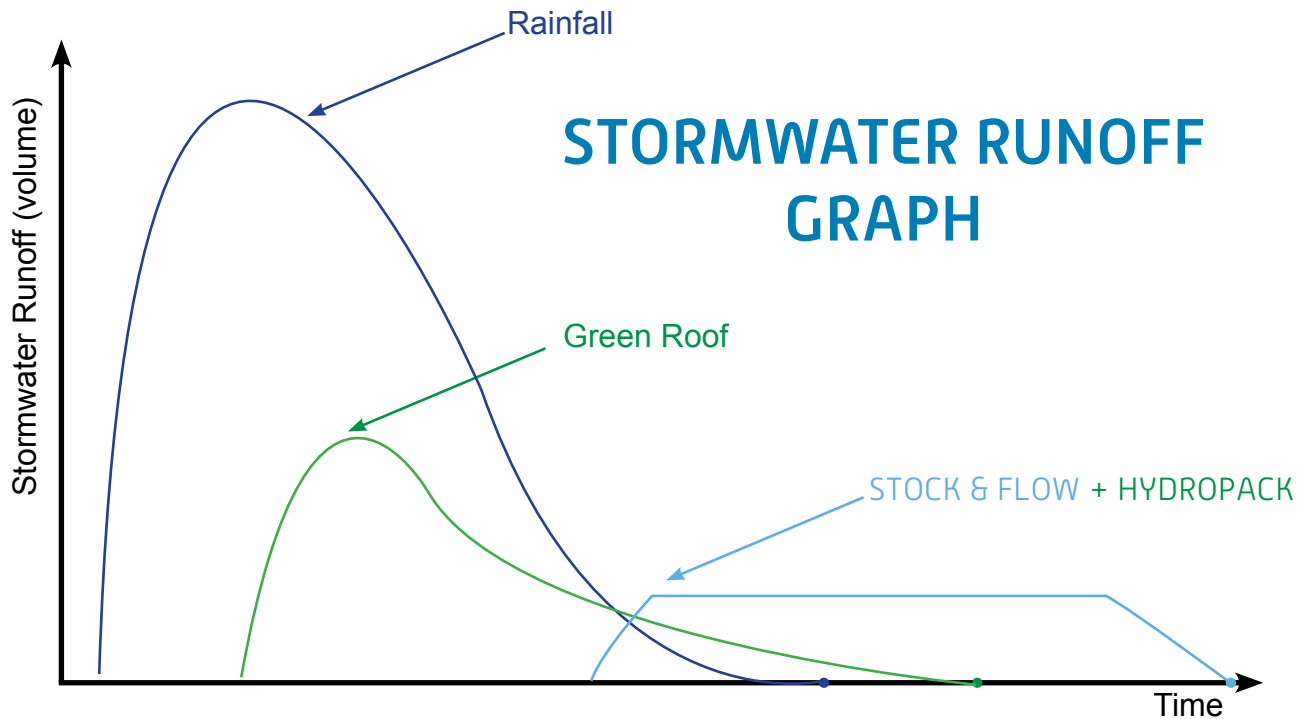
- ✔ CONTROLLED RUNOFF FLOW WITH SITE-SPECIFIC RATE
- ✔ 2.3" OF ADDITIONAL WATER RETENTION YEAR ROUND
- ✔ INVISIBLE & AUTONOMOUS IRRIGATION SYSTEM
- ✔ HEALTHY PLANTS WITH INCREASED DROUGHT RESISTENCE
- ✔ «ALL-IN-ONE» SOLUTION, FLEXIBLE FOR ANY DESIGN

THE FIRST BLUE ROOF – GREEN ROOF COMBINATION

HIGH PERFORMANCE LIVING INFRASTRUCTURES



THINK OUTSIDE THE BOX FOR STORMWATER REGULATION COMPLIANCE.  
USE SOLUTIONS THAT ARE BEAUTIFUL WITHOUT SACRIFICING  
PERFORMANCE



## YOU ASKED FOR RUNOFF FLOW CONTROL

You can adjust the flow rate to the specifications of your site, as low as 0.15 cubic feet per second. The flow rate is constant while **STOCK & FLOW** is releasing its water reserve.

## YOU ASKED FOR BEAUTY

**STOCK & FLOW** is combined with **HYDROPACK** green roof system, a green paver fully vegetated with a diverse selection of sedums, chives, and thymes to ensure year round vegetation cover. The plants flower from white, to pink and yellow.

## YOU ASKED FOR PREDICTABLE STORAGE PERFORMANCE

Even when the green roof **HYDROPACK** is fully saturated with water, **STOCK & FLOW** placed underneath, captures and retains an additional 2.3" of rainfall reliably and predictably

## YOU ASKED FOR A SUSTAINABLE AND ATTRACTIVE IRRIGATION SYSTEM

Irrigation systems are expensive and defeat the purpose of stormwater management on the roof. This is why **STOCK & FLOW** is designed to use its storage capacity to passively water the plants above using our innovative wicking system **IRRIG'UP**. The plants have more water availability throughout the year and do not require additional irrigation in most climates. During periods of extreme drought you can still save your green roof system by filling the water reserve beneath the green roof without using an expensive irrigation system or sprinklers. The trays are interconnected so water put in one **STOCK & FLOW** tray distributes to the entire roof.

## YOU ASKED FOR MORE VALUE FOR THE BUILDING OWNER

More and more, regulations and building codes require you to store water runoff onsite. While many options are available to you, they are mostly solutions using ground space, which limits your development capability. **STOCK & FLOW** allows you to utilize all the space you have available and build more per site by storing the water on the roof. Have you thought about building one more apartment building instead of a pond? Now you can if you store the water on the roof. With an additional roof-load capacity of 31 lbs per sq. ft., you can retain up to 3.4" of rainfall on the roof.



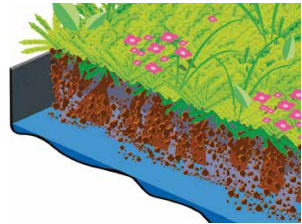
**V**egetal i.D. is solving the stormwater management problem directly on the roof using the world-leading green roof paver, **HYDROPACK** combined with the blue roof technology **STOCK & FLOW**. Our solution creates a reliable and predictable system to fulfill on-site stormwater management requirements.

When a green roof is dry, it acts like a sponge and retains a lot of water. However, if it is saturated from recent rainfall the green roof, like a sponge, will absorb very little water.

**STOCK & FLOW** compliments **HYDROPACK** to enable reliable stormwater retention and runoff control year round. During wet seasons when the green roof layer is often saturated, **STOCK & FLOW** (placed beneath **HYDROPACK**) acts as a water reserve that can retain an additional 2.3" inches of rainfall. The water captured in **STOCK & FLOW** is used to irrigate the plants above, while slowly being released from the roof to prepare for the next rain event. With the improved performance of **STOCK & FLOW**, it is possible to address on site stormwater management needs on the rooftop instead of using land dependent solutions on the ground.



*Dry Green Roof:  
Summer Conditions*



*Wet Green Roof:  
Spring Conditions*

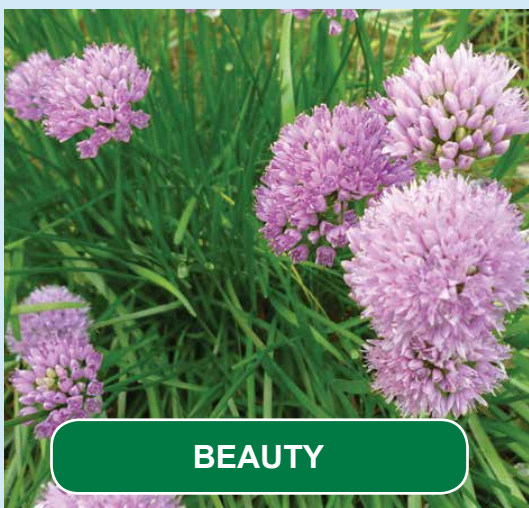


*Vegetal i.D. Nursery*

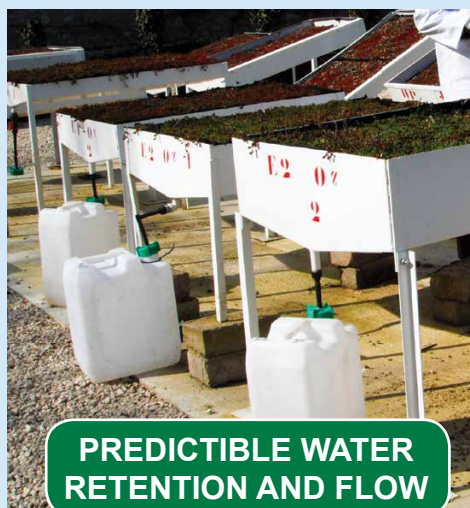
## SPECIFICATIONS

	HYDROSTOCK® 50	HYDROPACK®	STOCK & FLOW® + HYDROPACK®
Material	100% Recycled PEHD	100% Recycled PEHD	100% Recycled PEHD
Tray dimension	23" x 16"	23" x 16"	23" x 16"
<b>Total max. water storage capacity</b>	1 1/4 gal/sq. ft.	3/5 gal/sq. ft.	1.85 gal/sq. ft.
Max. rainfall retention	2.3"	1.1"	3.4"
Max. Weight at full saturation	13 lbs/sq. ft.	18 lbs/sq. ft.	31 lbs/sq.ft
Height of the system	4"	3.6"	6 3/4"

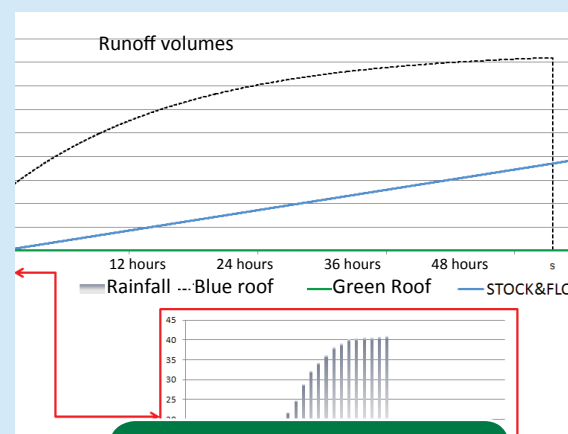
More Stock & Flow depth options to come.



**BEAUTY**



**PREDICTIBLE WATER  
RETENTION AND FLOW**



**PROVEN  
PERFORMANCE**