



Bioretention Planters

Our Bioretention Planters are pre-built and installed on-site to collect stormwater from drain leads/ downspouts. Plants and media filter water, removing organic and inorganic solids, and slowly release water into the storm drains reducing peak discharge rates.

We offer a range of standard sizes in both aluminum and GFRC - Glass Fiber Reinforced Concrete, but most bioretention projects are custom.

Our advisors, design and engineering team, and highly skilled builders, provide consultation in the planning phase or work with existing plans and drawings to develop the best approach for your space, configuration, square footage, volume requirements, and design brief.

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The volume of bioretention planters is dictated by local ordinances and calculated using extreme rain event data and building footprint.

WORKING WITH TOURNESOL

Tournesol has been one of the leaders in bioretention planters since 2013. Our thirty years of expertise in large-scale commercial planters gives us unique insight into designing and building custom products to fit building envelopes.

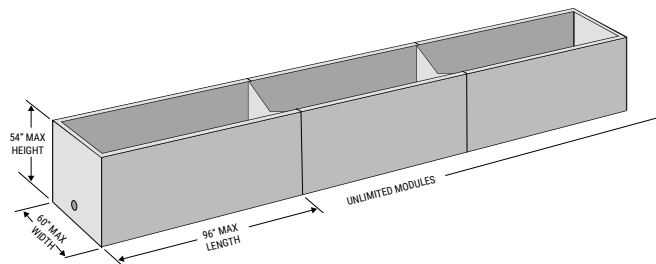
Since the beginning, we've worked directly with architects and contractors to create unique solutions to stormwater challenges. We've developed a unique set of building strategies and accessories to offer you a flexible solution.

STANDARD SIZES & CUSTOM SOLUTIONS

We offer a range of standard sizes in both aluminum and GFRC - Glass Fiber Reinforced Concrete, but most bioretention projects are custom. Our advisors, design and engineering team, and highly skilled builders, provide consultation in the planning phase or work with existing plans and drawings to develop the best approach for your space, configuration, square footage, volume requirements, and design brief.

DIMENSIONS

- Module maximum dimensions 96"L x 60"W x 54"H
- Connect multiple modules to extend length



CUSTOM CAPABILITIES

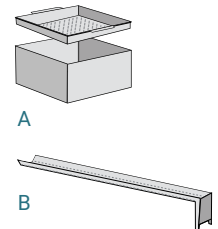
- Unique shapes
- Corners, angles, T connections
- Power, lighting, and audio
- Unique plumbing configurations
- Custom colors

PRODUCT DETAILS

- Pre-built in lightweight aluminum or GFRC
- Made-to-order to meet needs and volume requirements
- Planters can be used independently or joined together
- Includes FEA (Finite Element Analysis) for structural integrity
- Includes plumbing: overflow drain and easy access clean-out
- Planters are watertight

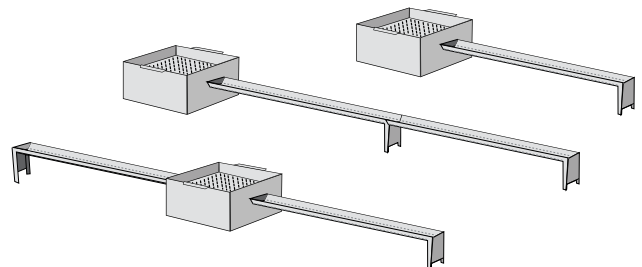
ACCESSORIES

- Splash Box (A)
- Level Spreader (B)
- Wally cantilever benching, more info: tournesol.com/products/wally



OPTIONS

- Aluminum Bioretention Planters can be modified in length, width, and height. *GFRC Bioretention Planters can be modified as a custom order.*
- To hold a larger volume of water, use a series of planters with scoops to create a longer bioretention system.
- Splash Box can be placed in any location in the planter.
- One or more Level Spreaders can be used to facilitate the spread of water throughout the bioretention system. *See below.*



WE'RE HERE TO HELP

Tournesol's Advisors are here to help you at any point in your project, from planning and quoting to assembly and installation.

tournesol.com/advisors

REQUEST A QUOTE

When you are ready to get pricing, submit your plans and project information at tournesol.com/request-quote.

Bioretention Planters

How does bioretention work?

INCLUDED WITH PLANTER

- 1. Planter
- 2. Clean-out
- 3. Drainpipe
- 4. Overflow
- 5. 4" Dia. Outlet

OPTIONAL ACCESSORIES

- 6. Splash Box
- 7. Level Spreader

CUSTOMER SUPPLIED

- 8. Media
- 9. Landscape Fabric
- 10. Fabric Sleeve (optional)



Water enters the Splash Box.



Water flows down the Level Spreader.



Water trickles through perforations into media.



Water percolates through media and fabric.



Water pools in the bottom of the planter.



Water enters perforated drainpipe and exits.

Bioretention Planters, Aluminum



Bioretention Planters, Aluminum



- Pre-built in lightweight aluminum
- Made-to-order to meet needs and volume requirements
- Includes FEA (Finite Element Analysis) for structural integrity
- Includes plumbing: overflow drain and easy access clean-out
- Planters are watertight

PRODUCT	DESCRIPTION	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LBS)	SURFACE AREA (SQ FT)	MAX PONDING VOLUME (GAL)	TREATMENT RATE (GAL/HR)
WFT-AL483642	Bioretention Planter, aluminum, plumbing included	48	36	42	165	10	75	135
WFT-AL723642	Bioretention Planter, aluminum, plumbing included	72	36	42	219	16	113	225
WFT-AL963642	Bioretention Planter, aluminum, plumbing included	96	36	42	273	22	150	315
WFT-AL484842	Bioretention Planter, aluminum, plumbing included	48	48	42	198	14	100	135
WFT-AL724842	Bioretention Planter, aluminum, plumbing included	72	48	42	256	22	150	225
WFT-AL964842	Bioretention Planter, aluminum, plumbing included	96	48	42	313	30	200	315
WFT-AL726042	Bioretention Planter, aluminum, plumbing included	72	60	42	285	28	187	225
WFT-AL966042	Bioretention Planter, aluminum, plumbing included	96	60	42	346	37	250	315
WFT-AL483648	Bioretention Planter, aluminum, plumbing included	48	36	48	186	10	75	135
WFT-AL723648	Bioretention Planter, aluminum, plumbing included	72	36	48	247	16	113	225
WFT-AL963648	Bioretention Planter, aluminum, plumbing included	96	36	48	301	22	150	315
WFT-AL484848	Bioretention Planter, aluminum, plumbing included	48	48	48	213	14	100	135
WFT-AL724848	Bioretention Planter, aluminum, plumbing included	72	48	48	278	22	150	225
WFT-AL964848	Bioretention Planter, aluminum, plumbing included	96	48	48	336	30	200	315
WFT-AL726048	Bioretention Planter, aluminum, plumbing included	72	60	48	306	28	187	225
WFT-AL966048	Bioretention Planter, aluminum, plumbing included	96	60	48	371	37	250	315
WFT-AL483654	Bioretention Planter, aluminum, plumbing included	48	36	54	209	10	75	135
WFT-AL723654	Bioretention Planter, aluminum, plumbing included	72	36	54	276	16	113	225
WFT-AL963654	Bioretention Planter, aluminum, plumbing included	96	36	54	343	22	150	315
WFT-AL484854	Bioretention Planter, aluminum, plumbing included	48	48	54	242	14	100	135



Bioretention Planters, Aluminum



- Pre-built in lightweight aluminum
- Made-to-order to meet needs and volume requirements
- Includes FEA (Finite Element Analysis) for structural integrity
- Includes plumbing: overflow drain and easy access clean-out
- Planters are watertight

PRODUCT	DESCRIPTION	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LBS)	SURFACE AREA (SQ FT)	MAX PONDING VOLUME (GAL)	TREATMENT RATE (GAL/HR)
WFT-AL724854	Bioretention Planter, aluminum, plumbing included	72	48	54	313	22	150	225
WFT-AL964854	Bioretention Planter, aluminum, plumbing included	96	48	54	380	30	200	315
WFT-AL726054	Bioretention Planter, aluminum, plumbing included	72	60	54	358	28	187	225
WFT-AL966054	Bioretention Planter, aluminum, plumbing included	96	60	54	429	37	250	315

Bioretention Planters, GFRC



Bioretention Planters, GFRC



- Pre-built in lightweight GFRC
- Made-to-order to meet needs and volume requirements
- Includes FEA (Finite Element Analysis) for structural integrity
- Includes plumbing: overflow drain and easy access clean-out
- Planters fully waterproofed

PRODUCT	DESCRIPTION	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LBS)	SURFACE AREA (SQ FT)	MAX PONDING VOLUME (GAL)	TREATMENT RATE (GAL/HR)
WFT-483642	Bioretention Planter, GFRC, plumbing included	48	36	42	714	10	75	135
WFT-723642	Bioretention Planter, GFRC, plumbing included	72	36	42	1071	16	113	225
WFT-963642	Bioretention Planter, GFRC, plumbing included	96	36	42	1428	22	150	315
WFT-484842	Bioretention Planter, GFRC, plumbing included	48	48	42	952	14	100	135
WFT-724842	Bioretention Planter, GFRC, plumbing included	72	48	42	1428	22	150	225
WFT-964842	Bioretention Planter, GFRC, plumbing included	96	48	42	1904	30	200	315
WFT-726042	Bioretention Planter, GFRC, plumbing included	72	60	42	1785	28	187	225
WFT-966042	Bioretention Planter, GFRC, plumbing included	96	60	42	2380	37	250	315
WFT-483648	Bioretention Planter, GFRC, plumbing included	48	36	48	816	10	75	135
WFT-723648	Bioretention Planter, GFRC, plumbing included	72	36	48	1224	16	113	225
WFT-963648	Bioretention Planter, GFRC, plumbing included	96	36	48	1632	22	150	315
WFT-484848	Bioretention Planter, GFRC, plumbing included	48	48	48	1088	14	100	135
WFT-724848	Bioretention Planter, GFRC, plumbing included	72	48	48	1632	22	150	225
WFT-964848	Bioretention Planter, GFRC, plumbing included	96	48	48	2176	30	200	315
WFT-726048	Bioretention Planter, GFRC, plumbing included	72	60	48	2040	28	187	225
WFT-966048	Bioretention Planter, GFRC, plumbing included	96	60	48	2720	37	250	315
WFT-483654	Bioretention Planter, GFRC, plumbing included	48	36	54	918	10	75	135
WFT-723654	Bioretention Planter, GFRC, plumbing included	72	36	54	1377	16	113	225
WFT-963654	Bioretention Planter, GFRC, plumbing included	96	36	54	1836	22	150	315
WFT-484854	Bioretention Planter, GFRC, plumbing included	48	48	54	1224	14	100	135



Bioretention Planters, GFRC



- Pre-built in lightweight GFRC
- Made-to-order to meet needs and volume requirements
- Includes FEA (Finite Element Analysis) for structural integrity
- Includes plumbing: overflow drain and easy access clean-out
- Planters fully waterproofed

PRODUCT	DESCRIPTION	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	WEIGHT (LBS)	SURFACE AREA (SQ FT)	MAX PONDING VOLUME (GAL)	TREATMENT RATE (GAL/HR)
WFT-724854	Bioretention Planter, GFRC, plumbing included	72	48	54	1836	22	150	225
WFT-964854	Bioretention Planter, GFRC, plumbing included	96	48	54	2448	30	200	315
WFT-726054	Bioretention Planter, GFRC, plumbing included	72	60	54	2295	28	187	225
WFT-966054	Bioretention Planter, GFRC, plumbing included	96	60	54	3060	37	250	315

Splash Box



- Stainless steel
- Available in 18" or 24" square
- Can be placed anywhere in planter
- Prevents water and media from erosion or getting blasted out
- Includes removable tray to clear debris
- Can be placed over clean-out to simplify flushing the system

Level Spreader



- Stainless steel
- Available in three lengths: 48", 60", and 72"
- Can be connected to extend length
- Can be mounted on either side of Splash Box
- Perforations distribute water throughout the planter

CONFIGURATION EXAMPLES



Splash Box with
Level Spreader



Splash Box with
2 connected Level Spreaders



Splash Box with
Level Spreader on each side

PART NUMBER	DESCRIPTION	DIMENSIONS	WEIGHT
WFT-SB-18	Bioretention Splash Box, stainless steel	18"L x 18"W x 12"H	65
WFT-SB-24	Bioretention Splash Box, stainless steel	24"L x 24"W x 12"H	80
WFT-LS-48	Bioretention Level Spreader, stainless steel	48"L	8
WFT-LS-60	Bioretention Level Spreader, stainless steel	60"L	10
WFT-LS-72	Bioretention Level Spreader, stainless steel	72"L	12