

 VORTEX

**A CLEAR  
SOURCE  
OF  
FUN**











**WE  
INNOVATE  
RELENTLESSLY  
SO YOU  
CAN HAVE  
ALL THE  
FUN**

VORTEX AQUATIC STRUCTURES INTERNATIONAL INC. IS THE WORLD LEADER IN AQUATIC PLAY LANDSCAPES AND ENTERTAINMENT. WITH INSTALLATIONS AT MORE THAN 6,500 LOCATIONS AROUND THE WORLD IN PUBLIC, COMMERCIAL AND ENTERTAINMENT SETTINGS, VORTEX INTERNATIONAL PROVIDES IMAGINATIVE, DURABLE AQUATIC PLAY AND WATER FEATURE SOLUTIONS THAT CREATE EVERLASTING MEMORIES. OUR ONGOING MISSION IS TO DEVELOP FUN, SAFE AND RELIABLE PRODUCTS FOR FAMILIES AND CHILDREN OF ALL AGES AND ABILITIES.







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# INDUSTRY DESIGN LEADERS



Vortex's aquatic play solutions continue to be recognized by the prestigious **DREAM DESIGN AWARDS**, awarded by Aquatics International, the leading media network in the industry.

2013

- + THE RAY AND JOAN KROC CORPS COMMUNITY CENTER
- + NACPRO AWARD — BLUE HERON BAY

2012

- + CUMMING AQUATIC CENTER
- + GRAND PRAIRIE AQUATICS AND MULTIPLEX
- + SKIATOOK CENTRAL PARK SPLASHPAD®
- + STEPHEN SORENSEN PARK

2011

- + BENTLEY PARK SPLASHPAD®
- + KROC CENTER
- + MACDONALD ISLAND PARK

2010

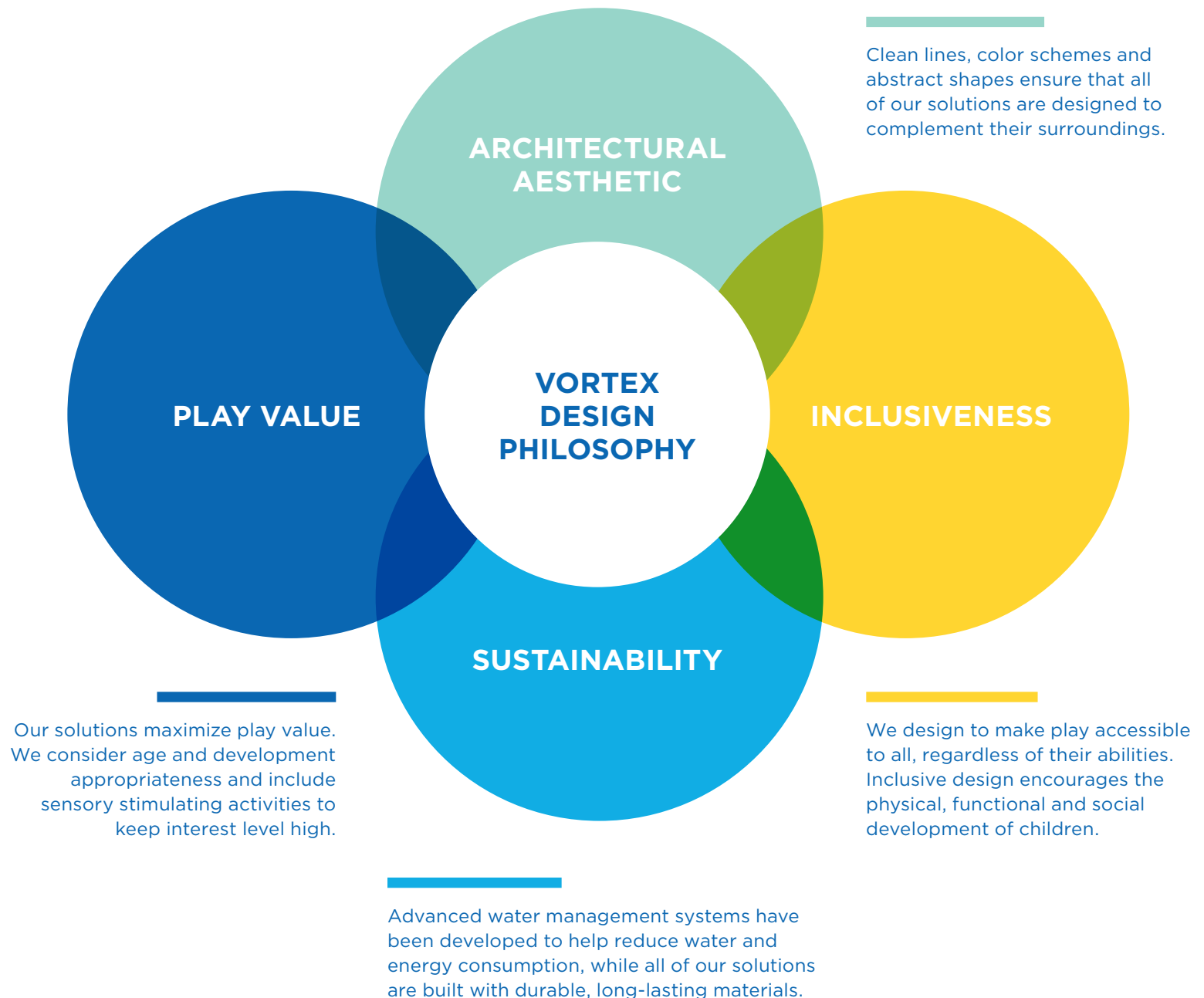
- + KIDS LOVE RECREATION SPLASHPAD®
- + CRYSTAL BEACH AQUATIC CENTER
- + CITRUS COMMUNITY PARK SPLASHPAD®

2009

- + JEFFERSON, MCKINLEY AND SOUTH PARK
- + OTHELLO COMMUNITY POOL



# OUR DESIGN PHILOSOPHY







Visitors to the Splashpad® come from other communities and even other states. It is not unusual to have 3 or 4 bus loads of children visit the Splashpad® daily.

**DEBBIE BOTTOROFF**

ASSISTANT CITY MANAGER | CITY OF GROVE, OKLAHOMA, USA



# MUNICIPALITIES



.....

PARKS, URBAN AREAS, PUBLIC SPACES,  
COMMUNITY POOLS, WADING POOLS





# VORTEX

## A CLEAR SOURCE OF VALUES

Why communities choose  
Vortex Aquatic Play Solutions:



### **BRINGS COMMUNITIES TOGETHER**

Designed for inclusive play and fun for all  
ages and abilities



### **SUSTAINABLE AND ECO-FRIENDLY WATER MANAGEMENT**

Efficient water management systems reduce  
water consumption and energy costs



### **DESIGNED FOR SAFE PLAY**

Includes industry leading innovations  
developed to ensure safe play



### **INTEGRATES WITH ANY LANDSCAPE OR FACILITY**

Can be any shape, with features  
and colors that complement the  
surrounding environment











So far we have done three projects with Vortex that included both Splashpads® & Elevations™ and all have been a huge success. Not only have we been able to increase market share and room rates, but the kids love having their own play space and the dumping bucket is an exciting attraction for everyone to enjoy.

**ANDREW CASCI**

DIRECTOR OF SPORTS & RECREATION | SHANGRI-LA HOTELS & RESORTS



# COMMERCIAL

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HOTELS & RESORTS, WATER PARKS,  
AMUSEMENT PARKS, FAMILY ENTERTAINMENT  
CENTERS, HOME OWNERS ASSOCIATIONS





# VORTEX A CLEAR SOURCE OF AMAZEMENT

Why commercial facilities choose  
Vortex Aquatic Play Solutions:



## ATTRACTS FAMILIES

Designed for all ages to increase attendance  
for a rapid return on investment



## KEEPS GUESTS ONSITE

Interactive play enhances guest experience  
and keeps families on site longer



## ENCOURAGES REPEAT VISITS

Creates everlasting memories that bring  
families back again and again



## COMPETITIVE ADVANTAGE

Over 250 diverse features to make your  
facility unique and spectacular







BIG4 SWAN HILL | VICTORIA, AUSTRALIA





Splashpads® have become a huge draw, not only within the neighborhoods, but across the city. So far, we are seeing about a four-fold attendance increase in each location compared to the pools.

**CURTIS HANCOCK**

PROJECT MANAGER | TACOMA, WASHINGTON, USA



# Splashpad<sup>®</sup>

BY /  VORTEX



Splashpad<sup>®</sup>

# **SPECTACULAR FUN**

A Splashpad<sup>®</sup> is a dynamic, zero-depth aquatic play area that provides endless hours of fun for the entire family. Splashpad<sup>®</sup> combines the sensations of different water movements—flowing, misting, and jetting—with over 250 diverse features for an unequalled aquatic play adventure.









THE ARBORETUM | WALSALL, UK





## SOCIAL ENGAGEMENT

Brings people of all ages together  
to create engaged communities.





PARC DE LA CITÉ | LONGUEUIL, QUEBEC, CANADA





## SUSTAINABLE AND ECO-FRIENDLY

---

Innovative recirculation and capture & repurpose water management systems reduce water consumption.





CENTRE NAUTIQUE ARCHIPEL | VILLE DE PONT DE VAUX, FRANCE





## DESIGNED FOR SAFE PLAY

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Zero-depth spaces  
eliminate drowning risk  
and staffing needs.





J.E.A. BERNARDIN | VAUDREUIL-SUR-LE-LAC, QUEBEC, CANADA





## **STIMULATES IMAGINATION AND CREATIVITY**

Unscripted free play encourages  
children to create their own  
play experiences.





CENTRE NAUTIQUE DU RHÔNE | LYON, FRANCE





## INTEGRATES WITH SURROUNDINGS

Splashpad® feature and color options ensure that they always complement the surrounding landscape and facilities.





RECREATION CENTRE PAPROCANY | TYCHY, POLAND





## MAINTAIN INTEREST OVER TIME

---

Light mists, jets, flowing and sprinkling effects combine to keep play experiences fresh and entertainment value high.





PARC MEYRIN | MEYRIN, SWITZERLAND





## **FLEXIBLE AND EXPANDABLE**

Can be big or small to fit any  
space and budget, and future play  
elements can be added.





PARC CHANTE BOIS | BLAINVILLE, QUEBEC, CANADA





## DESIGNED FOR INCLUSIVE PLAY

---

Encourages physical, functional  
and social development in  
children of all abilities.





RECREATION CENTRE PAPROCANY | TYCHY, POLAND





## ENHANCE WITH LIGHTING

Lighting elements extend the hours of usage and create a stunning architectural piece during evening hours.



## BLOOM N°1



Play with or dodge the twirling water streams



Create spiraling water effect by rotating the Twirltec™



See the water spiral on its own with the Twirlflow™





# Splashpad®

## NATURE FLOWERS

- 1 VOR-7487 BLOOM N°2 2 VOR-7772 SILHOUETTE N°1 3 VOR-7487 BLOOM N°2 4 VOR-7486 BLOOM N°1 5 VOR-7631 AQUALIEN POWER FLOWER N°1  
 6 VOR-7582 WATERBUG N°3 7 VOR-7719 LOOP N°1 8 VOR-7032 WATER JELLY N°3 9 VOR-7557 FLOWER N°5 10 VOR-7779 SEAWEED N°1  
 11 VOR-7549 FLOWER N°1 12 VOR-0519 SPRAY LOOP 13 VOR-0305 DIRECTIONAL WATER JET 14 VOR-7672 LEAF N°3 15 VOR-0519 SPRAY LOOP







## FISH N°1



Gentle  
water effect



Rotates for added  
play value



Seeflow™ tail makes  
it easy to turn





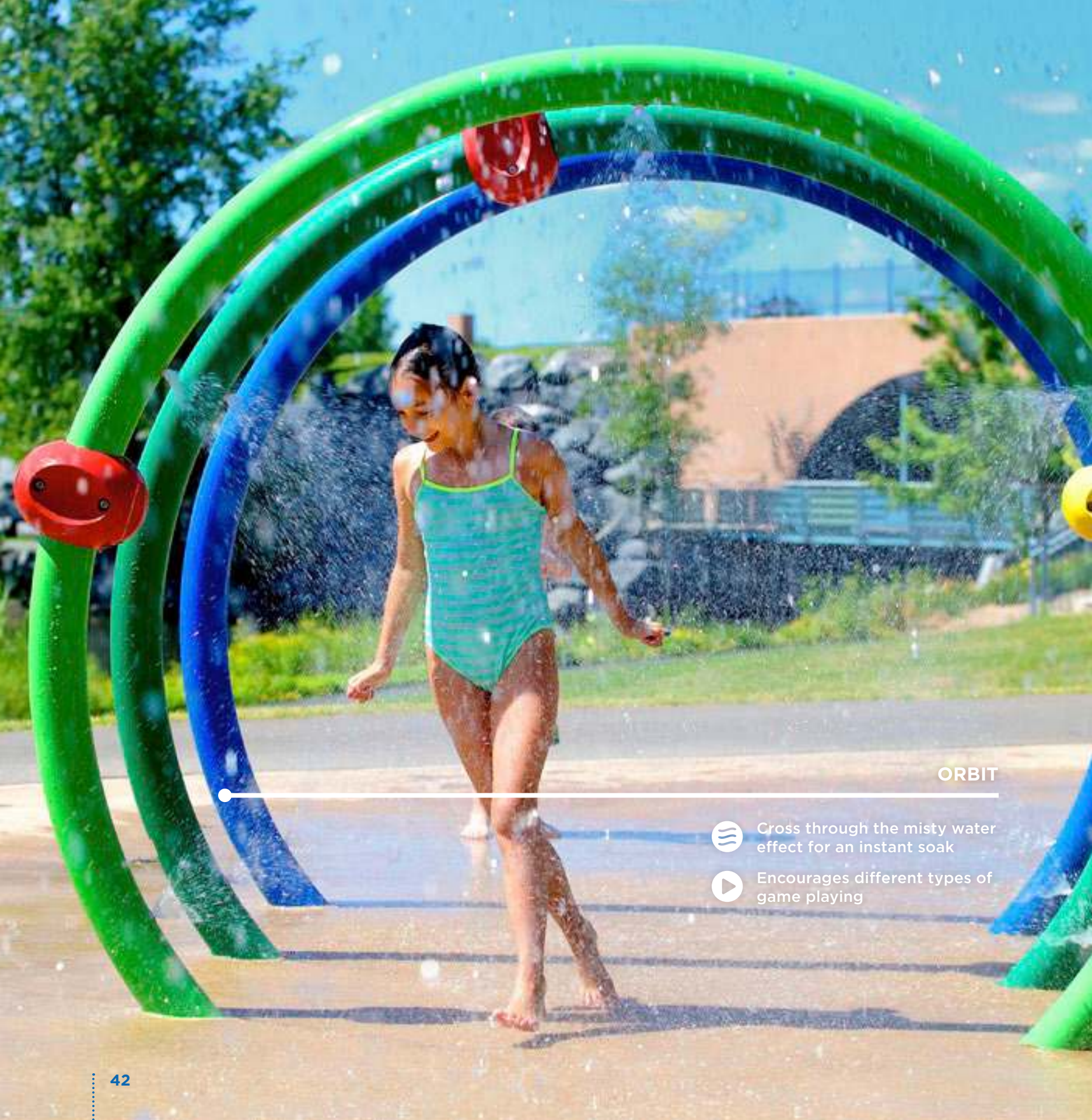
# Splashpad<sup>®</sup>

## OCEAN SILHOUETTES



- 1 VOR-7682 SEA SILHOUETTE LANTERNFISH 2 VOR-7772 SILHOUETTE N°1 3 VOR-7218 FISH N°1 4 VOR-0304 WATER TUNNEL N°1  
 5 VOR-7691 SEA SILHOUETTE OCTOPUS 6 VOR-7208 CRAB 7 VOR-7689 SEA SILHOUETTE TURTLE 8 VOR-7512 JET STREAM  
 9 VOR-7779 SEAWEEED N°1 10 VOR-7684 SEA SILHOUETTE SEAHORSE 11 VOR-7780 SEAWEEED N°2





## ORBIT



Cross through the misty water effect for an instant soak



Encourages different types of game playing





# Splashpad<sup>®</sup>

**URBAN LIFE**

- 1 VOR-7581 WATERBUG N°2 2 VOR-7398 ORBIT 3 VOR-0555 AQUA DOME 4 VOR-7395 PLUX CANE 5 VOR-7030 TOT TWISTER  
6 VOR-0220 TUBE N°1 7 VOR-7372 THREE BELLS N°1 8 VOR-0535 ANGLED TWISTER 9 VOR-7640 TEAM SPRAY N°1 10 VOR-7395 PLUX CANE  
11 VOR-0309 WATER TUNNEL N°2 12 VOR-7720 BAMBOO CANNON N°3





A young child is seen from the side, looking up at a large, yellow, flower-shaped water fountain. Water is spraying from the petals of the flower. The child is standing next to a green vertical pole. The background is a lush green forest.

## AQUALIEN POWER FLOWER N°1



Immersive experience  
under falling water



Engage with this  
feature by increasing  
water flow with the  
ground Podsprays™



Encourages  
collaborative play





# Splashpad<sup>®</sup>

## NATURE POND

- 1 VOR-7631 AQUALIEN POWER FLOWER N°1 2 VOR-7216 TURTLE N°2 3 VOR-7578 SUNSPRAY N°1 4 VOR-7389 AQUALIEN FLOWER N°3  
5 VOR-7200 FROG N°1 6 VOR-7659 FROG N°6 7 VOR-7516 SPLIT STREAM 8 VOR-7538 CATTAIL 9 VOR-7512 JET STREAM  
10 VOR-7782 CATTAIL TWIRL 11 VOR-8061 TEAM SPRAY N°2 12 VOR-7781 SEAWEED N°3 13 VOR-7538 CATTAIL





## SAILBOAT N°1



Interactive water effects provide various play opportunities



Identifiable theme stimulates storytelling play experiences



Turn mast with Twirltec™, catch the wind and pretend to sail





# Splashpad®

## OCEAN SAILING



- 1 VOR-7220 CRAB N°2 2 VOR-7010 WATER JELLY N°1 3 VOR-7581 WATERBUG N°3 4 VOR-7218 FISH N°1 5 VOR-7671 SAILBOAT N°1  
6 VOR-8084 FOAMING GEYSER 7 VOR-7218 FISH N°1 8 VOR-7779 SEAWEED N°1 9 VOR-7673 BOW N°1 10 VOR-0525 SEA SERPENT N°2  
11 VOR-7781 SEAWEED N°3 12 VOR-7557 FLOWER N°5 13 VOR-7010 WATER JELLY N°1 14 VOR-7640 TEAM SPRAY N°1







# Spraypoint®

BY/  VORTEX



Spraypoint®

# **WATER FUN ANYWHERE**

Spraypoint® is a low flow solution that utilizes light mists and small directional water streams. This reduced and controlled water dispersion means you can introduce water play in almost any environment.









PALMENGARTEN | FRANKFURT, GERMANY





## ARCHITECTURAL DESIGN

---

Contemporary, nature-inspired,  
clean designs fit in with  
any venue.





PALMA DEL RIO | CÓRDOBA, SPAIN





## SAFE AND WELCOMING

Zero-depth creates a safe  
space to play and eliminates  
staffing needs.





BORDELEAU PARK | OTTAWA, ONTARIO, CANADA





## MULTIPLE WATER EFFECTS

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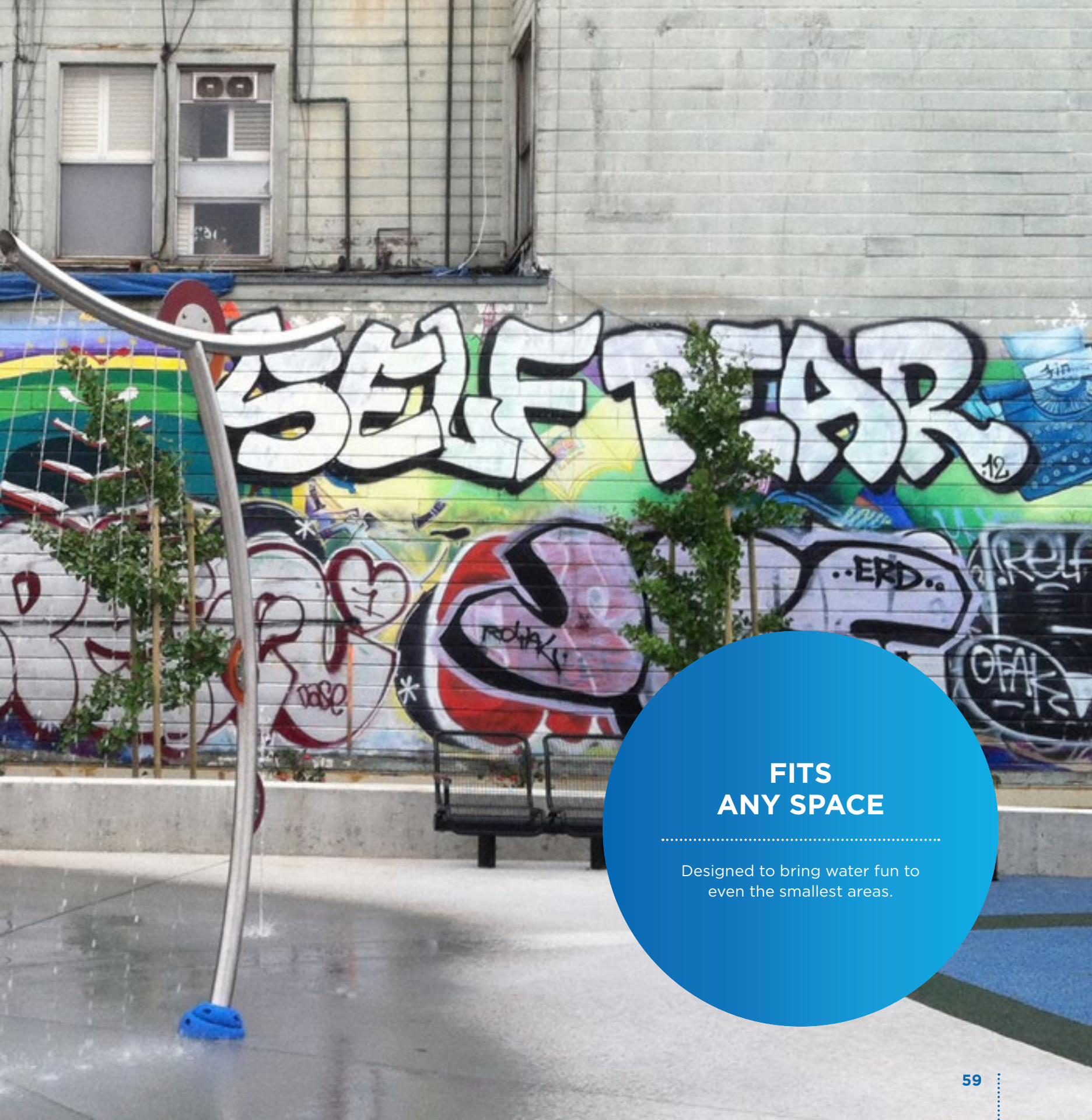
Light mists and directional jets help keep interest high and visitors staying onsite.





MISSION PLAYGROUND | SAN FRANCISCO, CALIFORNIA, USA





## **FITS ANY SPACE**

Designed to bring water fun to  
even the smallest areas.





WILLIBRORD PARK | VERDUN, QUEBEC, CANADA





## PLAY AND STAY DRY

Multi-functional dry and wet zones encourage play and relaxation without bathing suits.





PALMENGARTEN | FRANKFURT, GERMANY





## **EFFICIENT WATER USAGE**

---

Low flow water system keeps  
water and energy consumption  
and costs to a minimum.





CAIN PARK | CLEVELAND HEIGHTS, OHIO, USA





## **VARIETY OF SHAPES AND COLORS**




---

Colorful low flow solutions that create dramatic water effects and color-infused light patterns on the floor.





### BAMBOO CANNON Nº3

-  Provides high interactivity with low water consumption
-  Intuitive 360° rotation with no pinch point
-  Press on the ground Podspray™ to increase the range of its cannon jet





# Spraypoint®

## URBAN BAMBOO



① VOR-7722 BAMBOO CANNON N°1 ② VOR-7728 BAMBOO N°9 ③ VOR-7720 BAMBOO CANNON N°3 ④ VOR-7721 BAMBOO CANNON N°2





## BAMBOO Nº4



Provides high interactivity with low water consumption



Encourages dynamic play experience





# Spraypoint®

## NATURE BAMBOO



1 VOR-7724 BAMBOO N°5 2 VOR-7723 BAMBOO N°4 3 VOR-7724 BAMBOO N°5 4 VOR-7728 BAMBOO N°9 5 VOR-7727 BAMBOO N°8





### LEAF N°3



Promotes movement and spatial awareness



Play under the water jets, cross through the water streams without getting wet, or hide underneath the leaf for an immersive play experience



Water streams flow straight down from an exclusive nozzle that can be adjusted on site to ensure a straight down rain effect is properly achieved





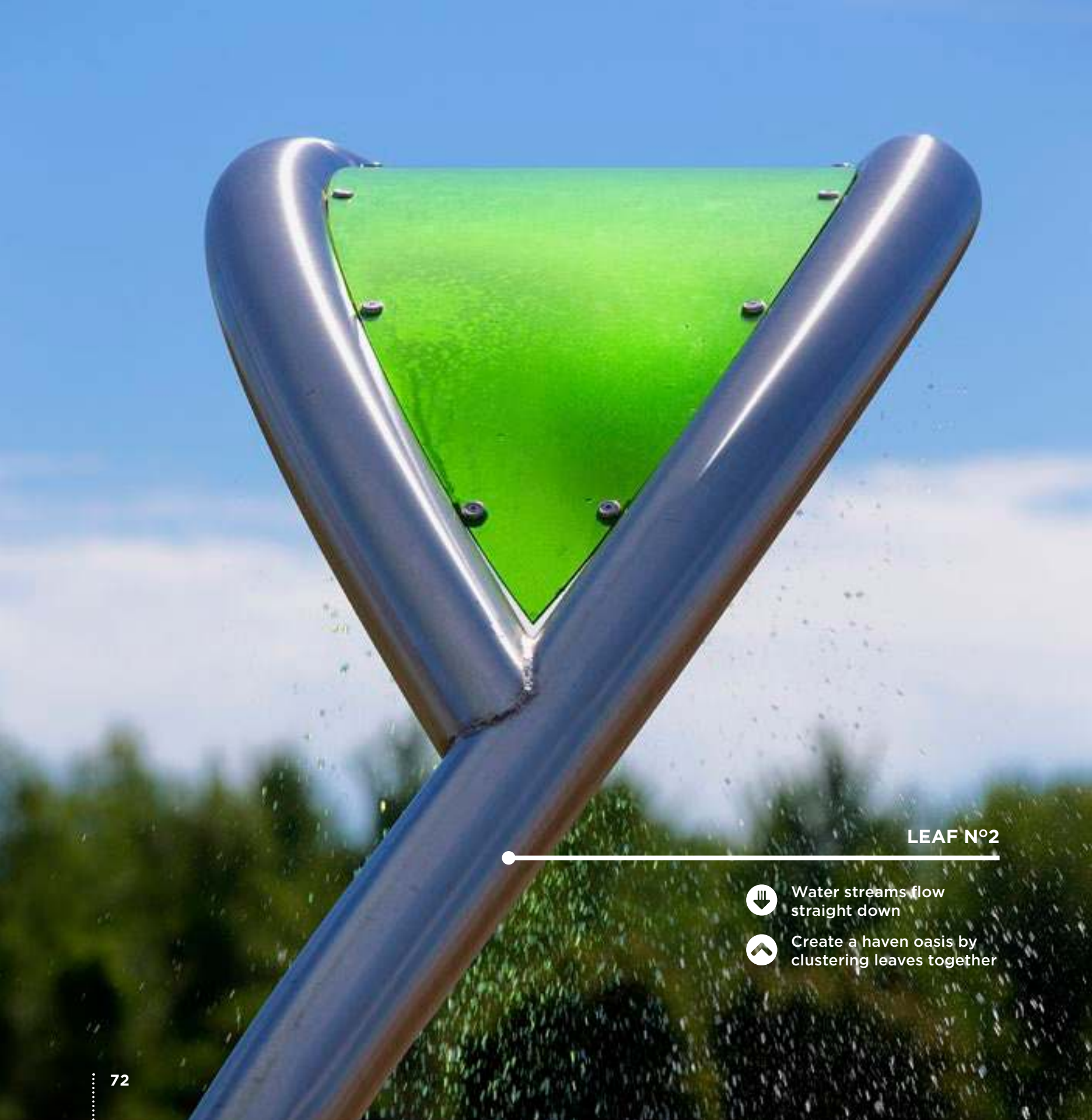
# Spraypoint®

## NATURE FOREST

- 1 VOR-7774 SILHOUETTE N°3 2 VOR-7780 SEAWEED N°2 3 VOR-7652 LEAF N°2 4 VOR-7657 LEAF N°3 5 VOR-7201 FROG N°2  
6 VOR-7781 SEAWEED N°3







## LEAF N°2



Water streams flow  
straight down



Create a haven oasis by  
clustering leaves together





# Spraypoint®

## URBAN SILHOUETTE

1 VOR-7777 SILHOUETTE N°5 2 VOR-7773 SILHOUETTE N°2 3 VOR-7657 LEAF N°2 4 VOR-7774 SILHOUETTE N°3 5 VOR-7773 SILHOUETTE N°2







## OMBRELLO



Creates an immersive play experience by standing under this play feature



Provides high interactivity with low water consumption



Seeflow™ material creates stunning colorful shapes on the floor when the sun shines





# Spraypoint®

## URBAN OMBRELLO



- 1 VOR-7441 OMBRELLO N°3 2 VOR-0305 DIRECTIONAL WATER JET 3 VOR-7447 OMBRELLO TWIRL N°2 4 VOR-7449 OMBRELLO SPIN N°2  
5 VOR-0305 DIRECTIONAL WATER JET 6 VOR-7441 OMBRELLO N°3





The Elevations™ Super Splash proved to be a hit for adults and kids of all ages. The splash effect is brilliant. We feel that the overall experience with Vortex as our supplier was very positive.

**ALON SHATIL**

GENERAL MANAGER | EAST PARK GOLF GARDENS, LONDON, ONTARIO, CANADA



# Poolplay™ & Elevations™

BY /  VORTEX



Poolplay™ & Elevations™

# CREATE UNIQUE VISITOR EXPERIENCES

Poolplay™ elements can enhance your pool or lazy river to provide an engaging and fun environment for all ages. Elevations™ add an extra dimension to pools to offer multi-level adventure in a stimulating environment.









PARC BOSTALSEE — CENTER PARCS | SAARLAND, GERMANY





## MODERN ARCHITECTURAL DESIGN

.....

Styles and colors that blend  
with or complement the  
surrounding environment.





KROC CENTER | KAPOLEI, HAWAII, USA





## OPTIONS FOR ALL POOL TYPES

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Big or small, indoors or out,  
Poolplay™ and Elevations™ are  
suitable for every facility.





CUMMING AQUATIC CENTER | CUMMING, GEORGIA, USA





## RE-VAMP AND REFRESH

.....

Elevations™, water slides, cascades and lazy river features can revitalize your amenity.





DEL MAR AQUATIC CENTER | AURORA, COLORADO, USA





## **FLEXIBLE AND EXPANDABLE**

---

Modular Elevation™ configuration fits any size and location and can be added to over time.





CRYSTAL BEACH PARK | WOODWARD, OKLAHOMA, USA





## KEEP VISITORS ONSITE AND ENGAGED

With multiple water effects, including jets, buckets, activators, cascades and sprays, the fun never ends.





Elevations™

**FOREST**









Elevations™

**WESTERN**









Elevations<sup>™</sup>

**TROPICAL**









Elevations™

---

OCEAN









Elevations™

**PIRATE**







A modern architectural rendering of a public plaza. In the foreground, a LEGO-themed water feature is installed. It includes a brown treasure chest with a blue cloth inside, a LEGO minifigure of a pirate with a red flame on its head, and a red LEGO cannon that is spraying water. A young boy in a blue shirt and white pants is playing with the water. The background shows a modern building with a large overhanging section, a large green tree, and other people walking around. The sky is a clear, light blue.

# Elevations™

## BRANDED THEMES

ELEVATIONS CAN BE CREATED WITH COLORS AND SHAPES THAT IDENTIFY WITH YOUR BRAND









The Water Journey™ is very popular with boys age six to eight – something we didn't expect. They like the science of it, and to see the impact on the water. Guests are bringing their own rubber duckies and boats to place in the water and watch the water flows.

**BARBARA-LEA GRANTER**

GENERAL MANAGER | GILROY GARDENS, GILROY, CALIFORNIA, USA



# Water Journey™

BY/  VORTEX



# Water Journey™

## **CREATE VIBRANT PUBLIC SPACES**

Inspired by nature's flowing streams, Water Journey™ is a collection of 4 events providing different play experiences. Whether it is a single event or multiple connected together, Water Journey™ creates vibrant spaces inviting everyone to play, socialize or just contemplate.





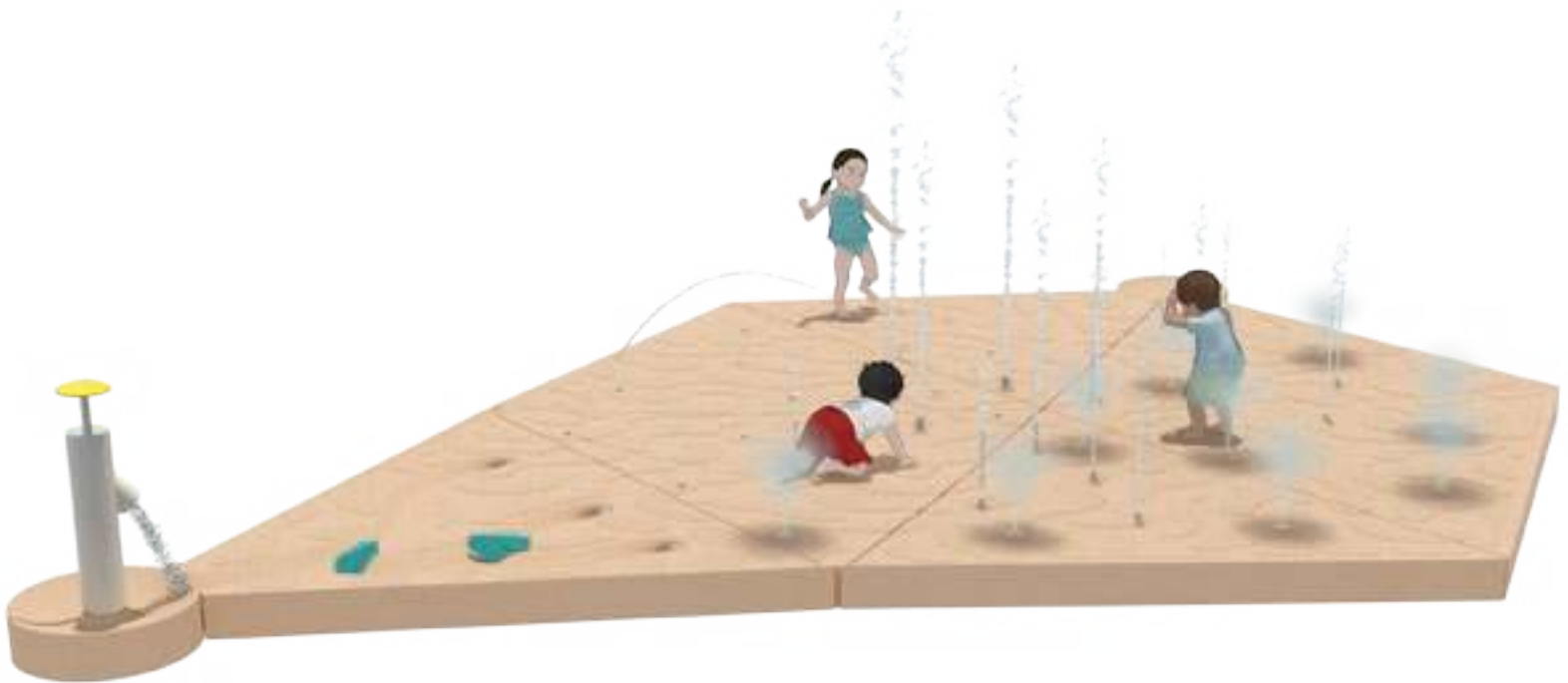






# DANCE WITH WATER

## WITH JET DANCE



---

DIRECT WATER FLOW IN THE CHANNELS AND CHOOSE WHICH JETS ARE ACTIVATED

---

ACTIVATE MIST, BLOCK AND INTENSIFY OR ARCH WATER SEQUENCES BY DIRECTING WATER INTO THE ASSOCIATED DRAIN

---

PLAY AMONGST THE JETS ON THE SAND RIPPLE INSPIRED SURFACE

---







# LEARN CAUSE AND EFFECT WITH LABYRINTH



---

ENGAGE WITH DIFFERENT LIFE-LIKE STREAM BEHAVIOR AS WATER ENCOUNTERS CREEKS, FLOOD PLAINS, RIPPLES AND CASCADES

---

MANIPULATE AND COORDINATE MANY GAME FEATURES

---

ENCOURAGE IMAGINATIVE PLAY BY INTRODUCING LOOSE OBJECTS LIKE BOATS, DUCKIES OR STICKS THAT FLOAT DOWNSTREAM

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# CHALLENGE AND COMPETE WITH THE RACE



---

RACE AND COMPETE WITH LOOSE FLOATING OBJECTS ON TWO CHANNEL TRACKS

---

CREATE AN ENGAGING AND IMMERSIVE EXPERIENCE BY MANIPULATING AND COORDINATING THE DIFFERENT INTERACTIVE FEATURES

---

STIMULATE IMAGINATION AND INTERACTIVE SOCIAL SKILLS WITH CHALLENGING RACES

---







# CONTEMPLATE AND RELAX WITH TIDE POOL



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STEP OR SIT ON THE ROCKS OF VARIOUS SIZES AND SHAPES WHILE WATER COLLECTS INTO A SHALLOW POOL

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UNWIND AND REFLECT AS THE SERENE WATER LEVEL RISES AND LOWERS

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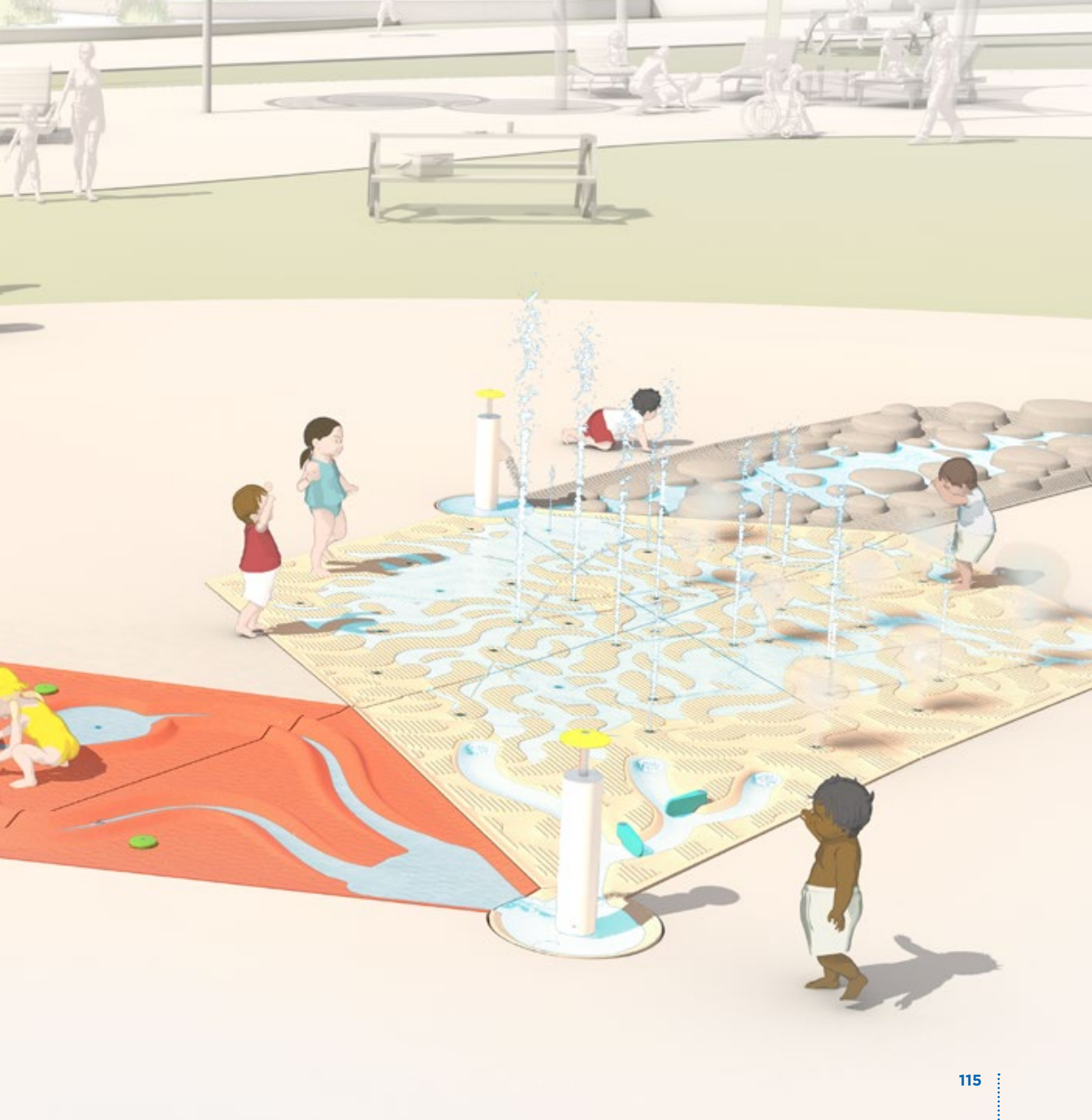


Water Journey™

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**MULTIPLE EVENTS  
CONFIGURATION**













Water Journey™

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**SINGLE EVENT**









Water Journey™

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**COMBINE WITH  
SPLASHPAD®**





Environmentally sustainable design was important to us. A Water Management Solution that returns water to the water table was a cost effective solution.

**J. DEAN JOHNS**

PARK SUPERINTENDENT | HANFORD, CALIFORNIA, USA





# **WATER MANAGEMENT**







# WATER MANAGEMENT SOLUTIONS

**DRIVEN BY SMARTFLOW™ TECHNOLOGY**

---

Water management is a vital component to the success of an aquatic play project.

With options for any size, Vortex water management solutions are specifically engineered for your project. Vortex provides a range of sustainable water management solutions with the best operating efficiency and the highest standards of water quality in the industry. Vortex water management solutions meet and exceed all regional and environmental standards and regulations.

Vortex offers water management training and service plans.



# WATER MANAGEMENT COMPONENTS

Vortex water management solutions feature Smartflow™ technology. This technology comprises of control systems that orchestrate water flow to play products based on sequences and timing, high efficiency nozzles that maintain fun while optimizing water usage, and on-demand activators that ensure that water is only flowing when the products are in use.

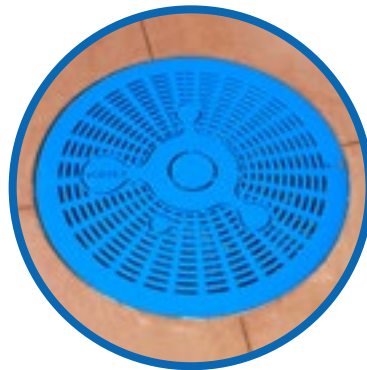
Together these elements combine to provide an efficient, eco-sensitive solution.

## ON-DEMAND ACTIVATION



- On-demand means less water by turning water on only when users press the activator
- Robust construction with no moving parts
- Easy operation for kids of all ages & abilities

## PLAYSAFE™ DRAIN



- Primary filter of debris
- Safe for small toes and skid resistant
- Stainless steel construction and high flow rate capacity

## DEBRIS AND RAINWATER CONTROL



- Strains the effluent water prior to entering the Water Containment System for a cleaner reservoir and reduced maintenance
- Rainwater Control maintains water balance and prevents chemical waste by diverting rainwater

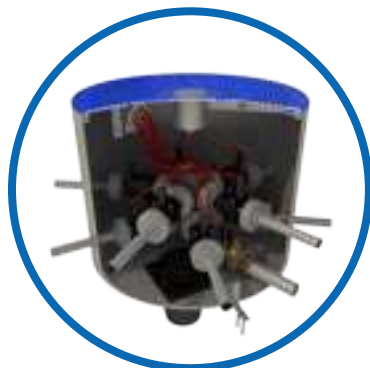
## WATER CONTAINMENT SYSTEM



- Provides underground water storage
- Constructed of durable, long-lasting reinforced polymer
- Equipped with a lockable access hatch, access ladder, piping connections, make-up water system and check valves

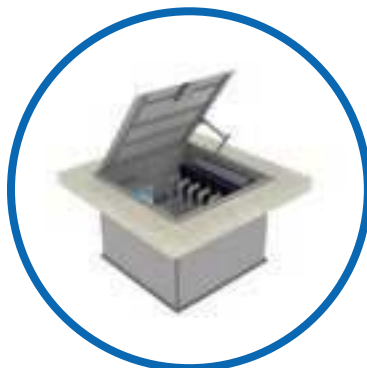


## COMMAND CENTERS



### SMARTPOINT™ ALL-IN-ONE

- Cost effective control solution for Splashpad® or Spraypoint®
- Combines foot activator, controller, water distribution system and drain for simplified operation
- Used with flow-through, reuse or recirculation systems



### EQUIPMENT VAULT

- Durable self-enclosed below-grade enclosure to keep equipment out-of-sight
- Stainless steel access hatch and step-down grate for easy access



### EQUIPMENT CABINET

- Self-enclosed system with easy access to controller and valves
- Stainless steel frame construction for protection against vandalism and corrosion



### WALL MOUNTED

- Ideal for housing inside an existing building
- Preassembled system with mounting brackets for easy installation

## WATER QUALITY MANAGEMENT OPTIONS



State-of-the-art water filtration and disinfection system complete with a control command center and energy efficient equipment.



### DOMEPACK

- Self-enclosed compact solution with low profile design that discreetly blends into the surrounding environment
- Durable construction protects against weather and vandalism



### SKIDPACK

- Flexible solution configured to adapt to an existing building and fit into any space
- Three separate pieces: feature loop, filter loop and controller which are connected and installed onsite



# RECIRCULATION

## RECYCLE THE FUN

Recirculation is a closed circuit system that recycles and disinfects the water to and from the play area through the advanced Water Quality Management System (WQMS).

**1**

### ON-DEMAND ACTIVATION

A user touches the activator sending a signal to the Command Center.

**2**

### WQMS COMMAND CENTER (A)

The Command Center orchestrates water to the play products based on preset sequences and timing.

**3**

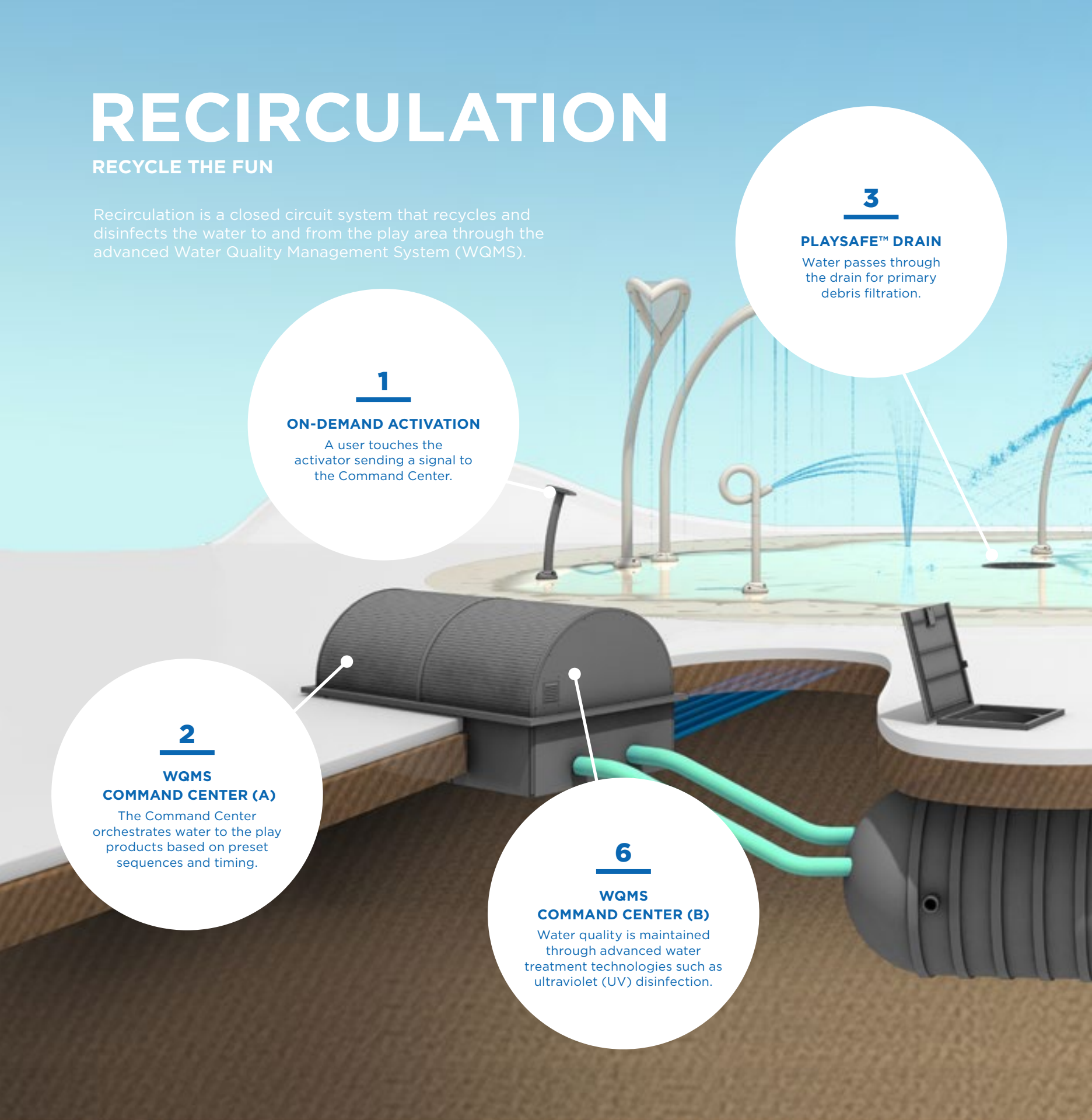
### PLAYSAFE™ DRAIN

Water passes through the drain for primary debris filtration.

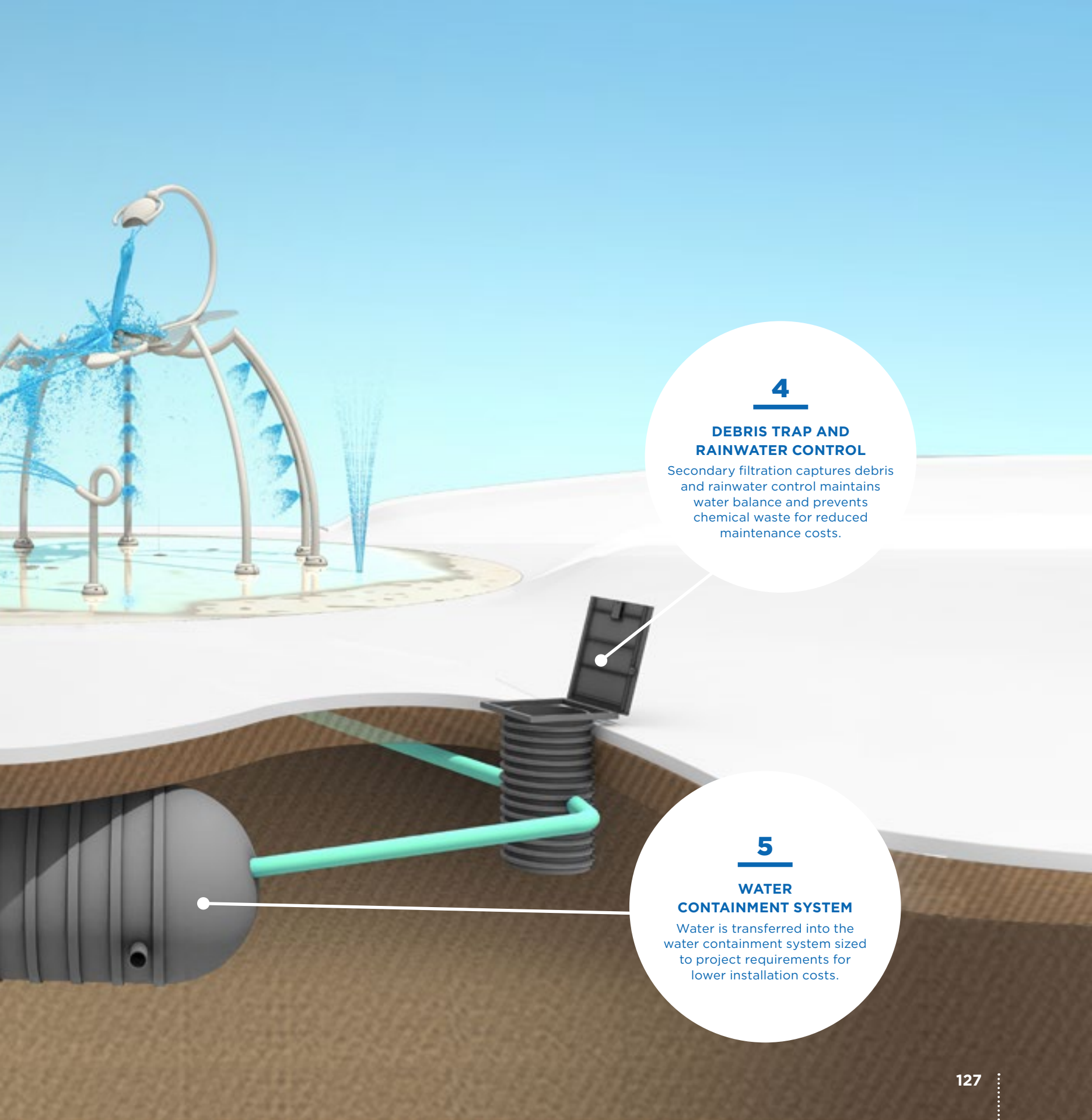
**6**

### WQMS COMMAND CENTER (B)

Water quality is maintained through advanced water treatment technologies such as ultraviolet (UV) disinfection.







**4**

**DEBRIS TRAP AND  
RAINWATER CONTROL**

Secondary filtration captures debris and rainwater control maintains water balance and prevents chemical waste for reduced maintenance costs.

**5**

**WATER  
CONTAINMENT SYSTEM**

Water is transferred into the water containment system sized to project requirements for lower installation costs.



# REPURPOSE

## DOUBLE UP ON THE FUN

Vortex water repurposing systems are sustainable solutions that are designed to integrate with the overall project scope and needs by reusing the Splashpad® or Spraypoint® effluent water for surface or sub-surface irrigation. These systems are simple to operate and require minimal maintenance.

**1**

### ON-DEMAND ACTIVATION

A user touches the activator sending a signal to the Command Center.

**3**

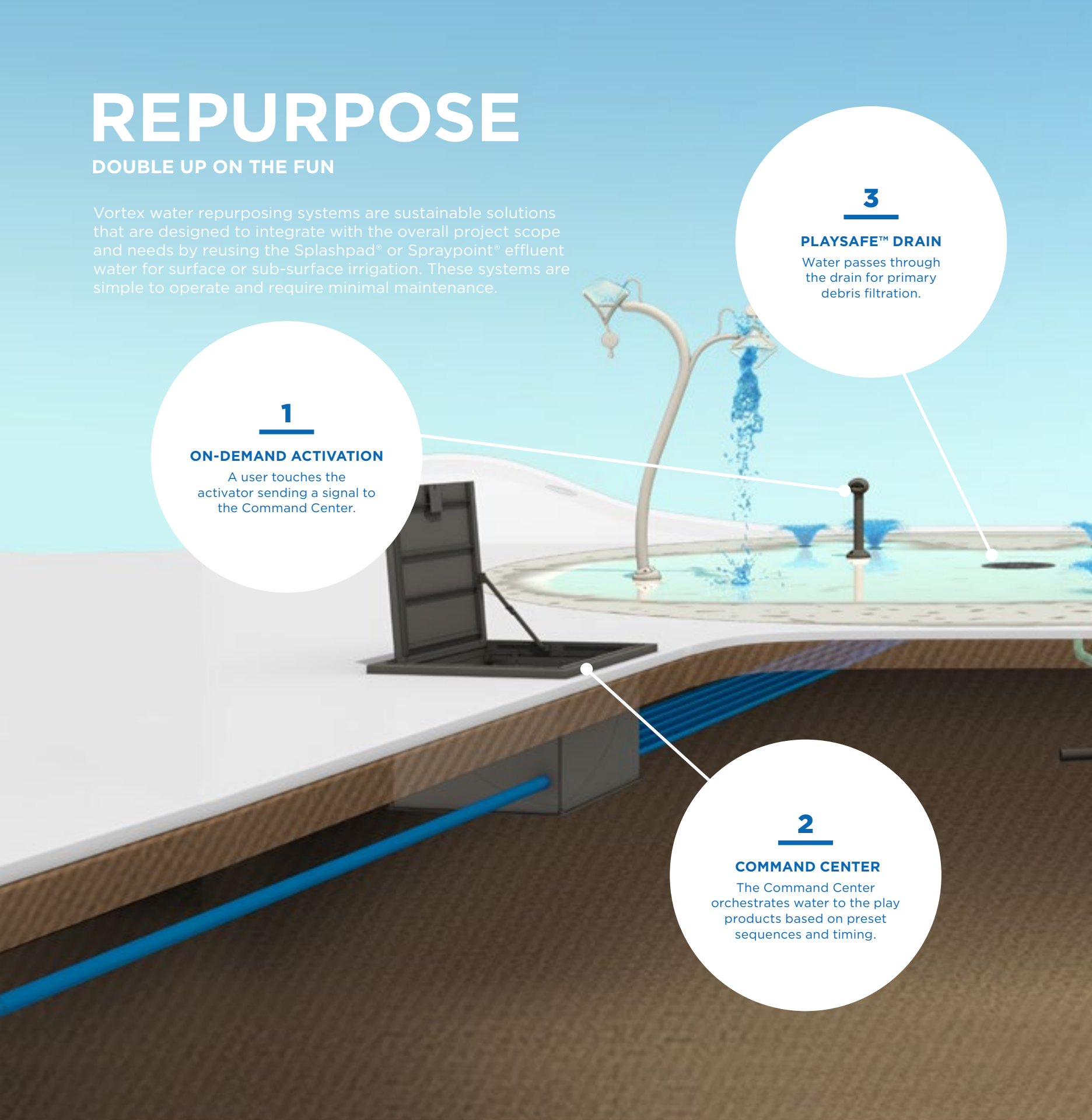
### PLAYSAFE™ DRAIN

Water passes through the drain for primary debris filtration.

**2**

### COMMAND CENTER

The Command Center orchestrates water to the play products based on preset sequences and timing.





**4**

**WATER HOLDING TANK**

Water is transferred to the Effluent Water Holding Tank.

**5**

**FILTRATION AND  
DISINFECTION**

Water is then sent through the Filtration and Disinfection System as per local regulations for surface irrigation.

**7**

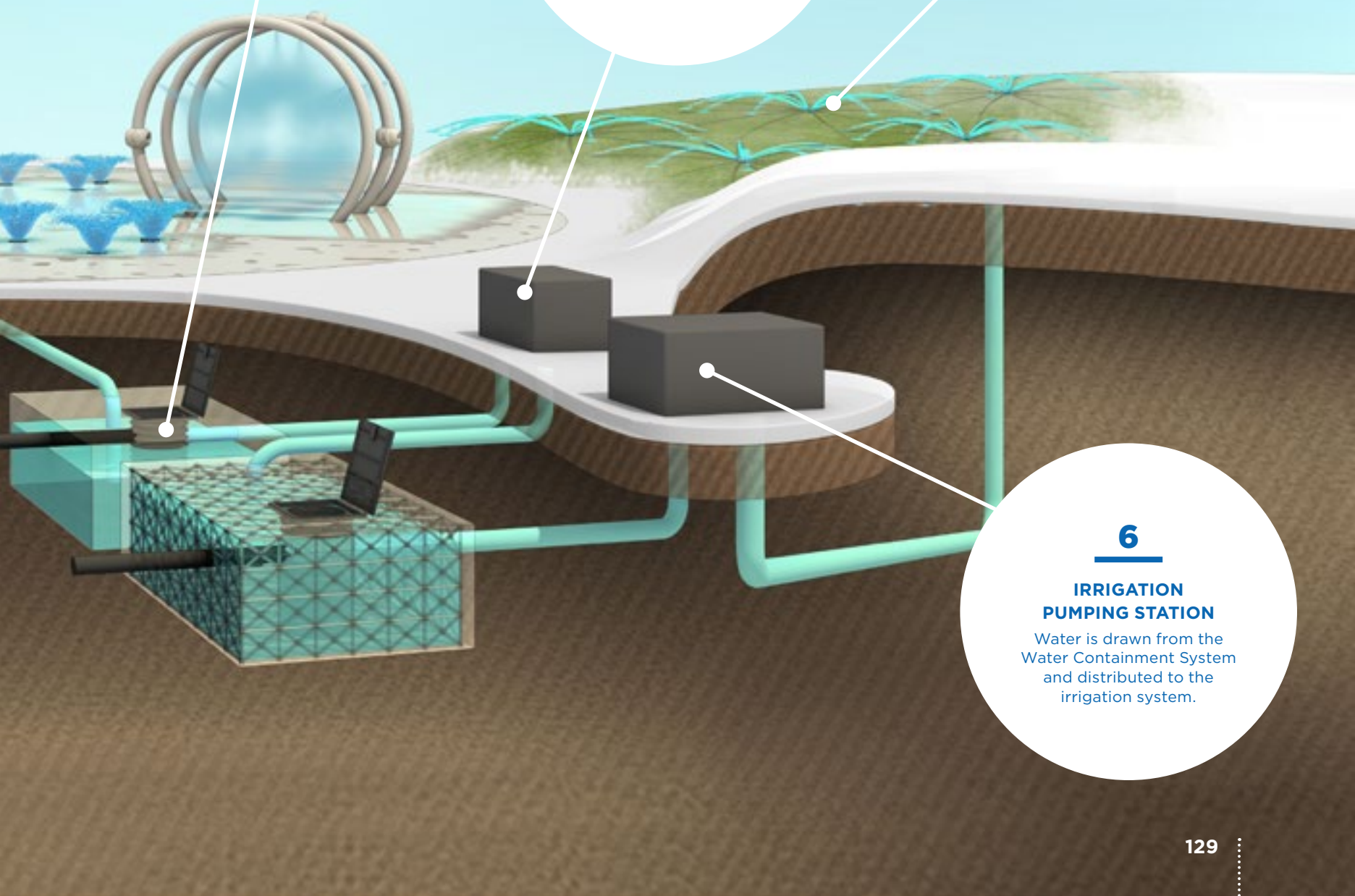
**BACK TO NATURE**

Water is returned to nature and nourishes the vegetation or is used to maintain amenities like watering sports fields, gardens or landscaping plants & trees that do not require treated water.

**6**

**IRRIGATION  
PUMPING STATION**

Water is drawn from the Water Containment System and distributed to the irrigation system.





# FLOW-THROUGH

## SIMPLIFY THE FUN

Flow-through systems are easy to operate, low maintenance and eco-friendly solutions to manage water use for Splashpad® or Spraypoint®. These systems use potable water that goes through the play area. Effluent water is then returned to the municipal wastewater system, or percolated back to the water table.

**1**

### ON-DEMAND ACTIVATION

A user touches the activator sending a signal to the Command Center.

**3**

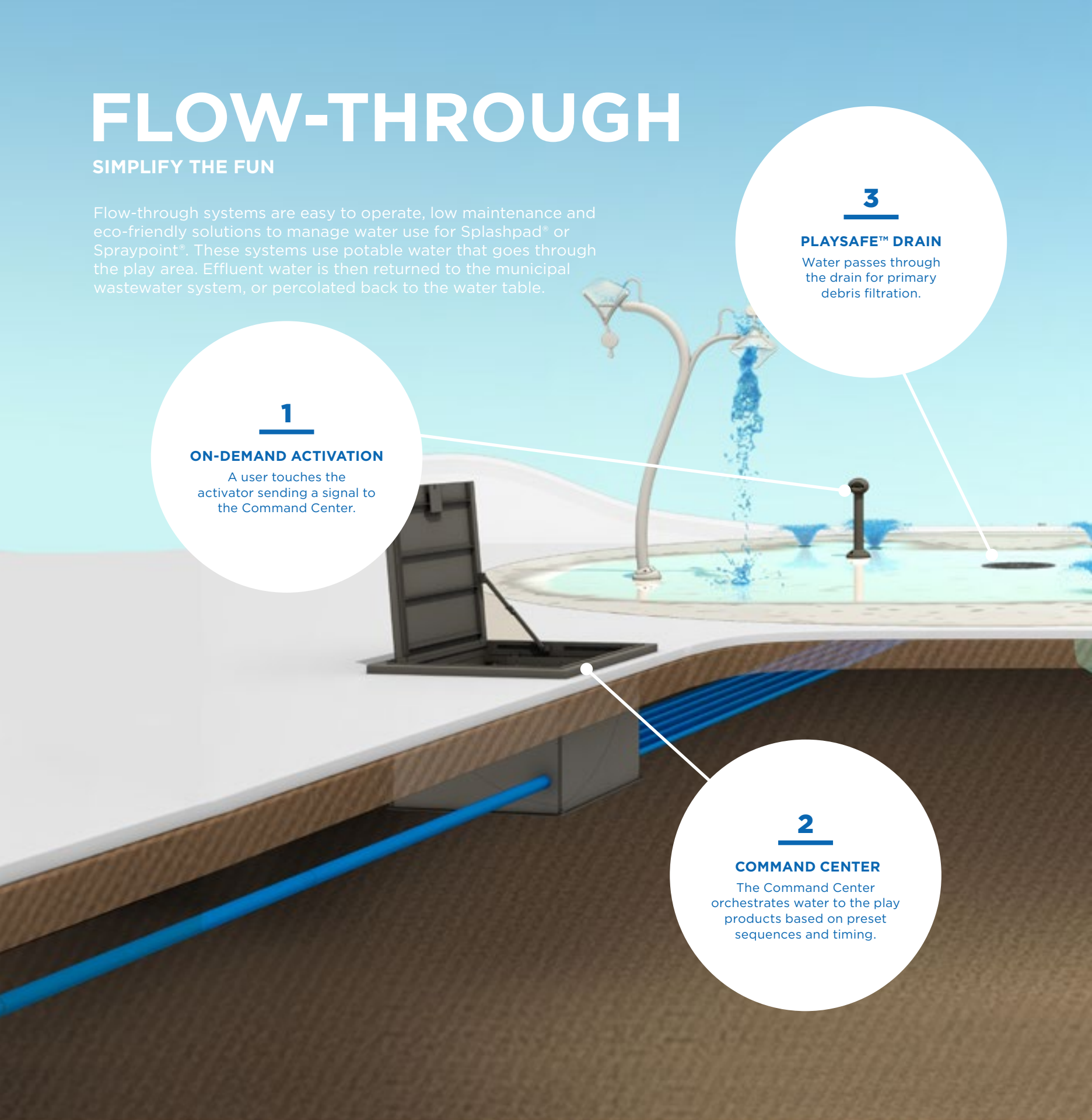
### PLAYSAFE™ DRAIN

Water passes through the drain for primary debris filtration.

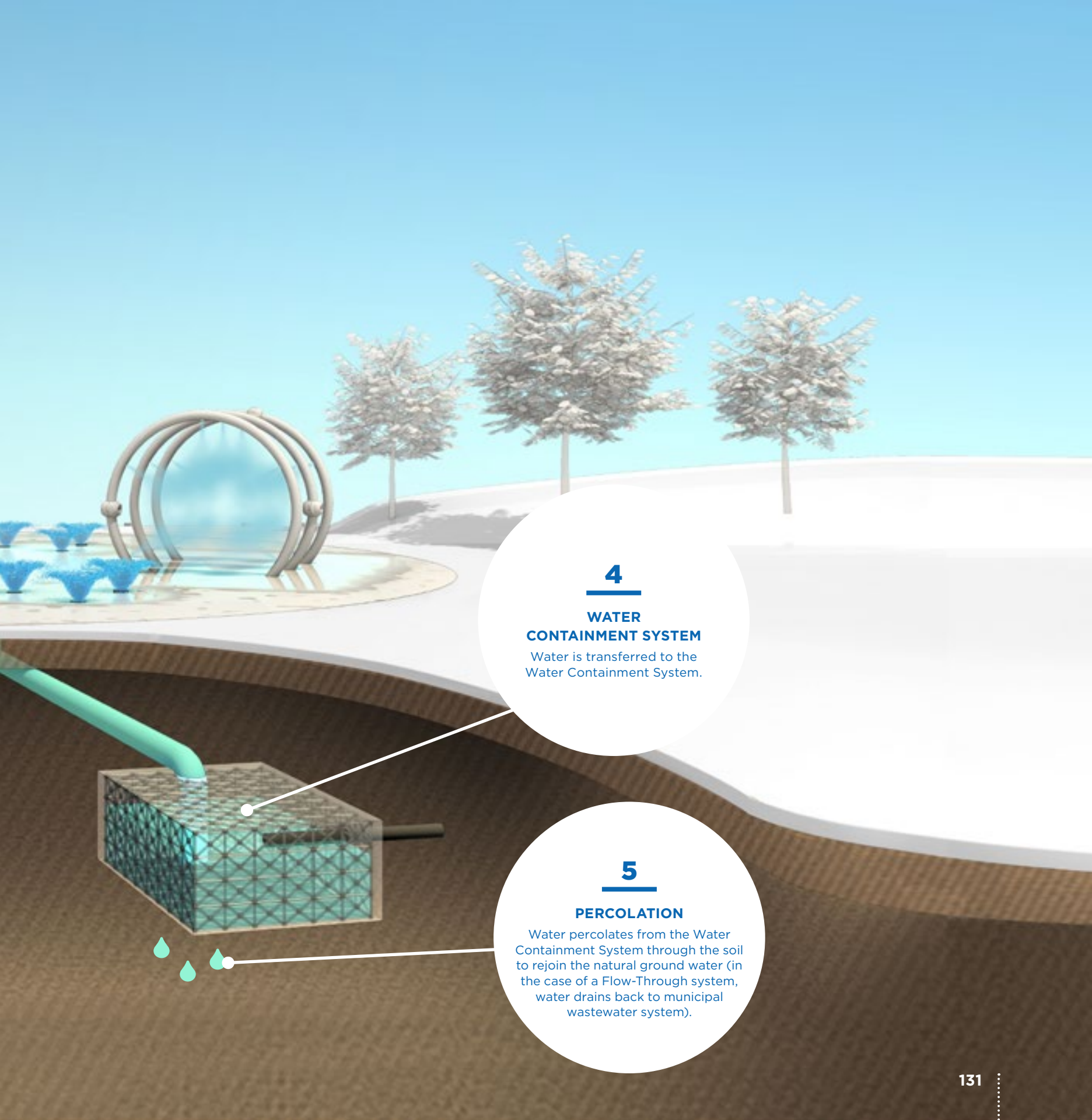
**2**

### COMMAND CENTER

The Command Center orchestrates water to the play products based on preset sequences and timing.







**4**

**WATER  
CONTAINMENT SYSTEM**

Water is transferred to the  
Water Containment System.

**5**

**PERCOLATION**

Water percolates from the Water  
Containment System through the soil  
to rejoin the natural ground water (in  
the case of a Flow-Through system,  
water drains back to municipal  
wastewater system).









# **EXCLUSIVE TECHNOLOGIES**







# VORTEX EXCLUSIVE TECHNOLOGIES

---



## **TOEGUARD™**

- Soft-touch elastomer
  - Protects children's toes from anchoring hardware
  - Durable, vandal resistant, resistant to chemicals
  - Infused with a UV resistant bright color
  - Available in one or two pieces ensuring tight fit to post
- 



## **SEEFLOW™**

- Impact-resistant polymer
  - Resistant to UV rays and chemicals
  - Colorful reflections are created with the combination of bright colors, water, and sunlight
  - Manufactured with up to 40% pre-consumer recycled materials
  - Reusable at the end of life
- 



## **TRIFLOW™ NOZZLE**

- One nozzle, three different water effect options
  - Stainless steel
  - Adjustable 360° cone spray
  - Internal diffuser for soft safe spray effect
  - Sleeved for easy maintenance
  - Tapered edges so it won't catch on anything
-





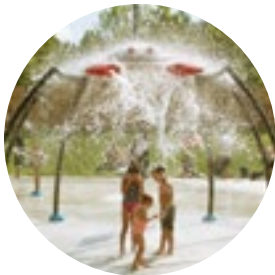
### **PODSPRAY™ (ON PRODUCT)**

- Press to send water to another nozzle on the same feature
- Combine multiple pods and features to create team play
- Lead-free brass for maximum durability



### **PODSPRAY™ (GROUND)**

- Step on or press to send water to another feature
- Increase flow to attached features to increase play value—connected features spin faster, spray farther, dance higher
- Combine multiple pods and features to create team play
- Lead-free brass for maximum durability



### **FUNFLOW ACTUATOR™**

- Interactive cause & effect
- Encourages collaborative play
- Step on the cap to divert and multiply the water to another feature
- Low flow when not pressed to help save water
- No electrical required—simple installation



### **TURNTEC™**

- Easy turning for kids of all ages and abilities
- Lead-free brass for maximum durability—heat resistant
- 360° rotation—no mechanical stops to break
- Adjustable spray zone—control the area where water begins and stops
- Corrosion and chemical resistant



### **SPINTEC™**

- Kids can stand or sit on the platform while pushing off the ground to make the platform spin
- Creates spiraling water effect
- Manufactured with damper speed system that controls spinning speed





### **TWIRLTEC™**

- Spin the round handle to create a spiraling water effect overhead
- Soft-touch elastomer
- Interactive cause and effect
- Friction-free, triple bearing system



### **LINEFLOW™ NOZZLE**

- Precisely orient the stream of water with the internal brass marble
- Compact design provides better product integration
- Easy to adjust for the most efficient use of water based on your installation
- Made of lead-free brass for maximum durability



### **SAFESWAP™ ANCHORING SYSTEM**

- Attractive ground caps are substituted for future play products
- Easily add future play elements with no change to infrastructure
- Easily move products from one location to another at no additional cost
- Provides flexibility to spread investment over time as capital becomes available
- Structural stainless steel base for maximum strength
- Optional interim spray cap



### **PRESS & PLAY ACTIVATOR**

- On-demand activation saves water
- Constructed of durable stainless steel—vandal resistant
- No moving parts
- Low voltage—safe fun
- 2 wire connection for easy installation
- Easy operation for kids of all ages & abilities



### **TWIRLFLOW™**

- Two linear jets create one twirling water effect from the water pressure
- 360° water jet creating a fragmented water splash, promoting dynamic play
- Visually captivating circular water movement
- Made of UHMW for superior durability





It's always easy and a pleasure to refer the Vortex product line simply because of its quality. The Vortex equipment and customer service speaks for itself.

**RON DAVIS**

DIRECTOR OF PARKS & RECREATION | OXFORD TOWNSHIP, MICHIGAN, USA





# PRODUCT COLLECTION HIGHLIGHTS



# NATURE COLLECTION HIGHLIGHTS

The Nature Collection invites the user to discover creatures, plants and flowers inspired by the natural world around us. Using organic shapes and colors, the Nature Collection can transform a Splashpad® into a forest, a pond or a jungle in the minds of young adventurers.

---

## COLOR MOODS





# PRODUCT SPECIFICATIONS LEGEND



MEASUREMENTS (H/W/L OR DIAMETER)



FLOW (GPM/LPM)



SMARTFLOW™ (GPM/LPM)



INTERACTIVITY



**AQUALIEN FLOWER N°1**  
VOR 7389



44/20/20 IN  
112/50/50 CM



1-3 GPM  
3.7-11.36 LPM



**AQUALIEN N°2**  
VOR 7569



114/30/64 IN  
291/75/163 CM



10-25 GPM  
37.85-94.64 LPM



**AQUALIEN  
POWER SPINNER**  
VOR 7620



124/59/58 IN  
315/150/147 CM



15-20 GPM  
56.78-75.71 LPM



PODSPRAY™





**FLOWER N°1**  
VOR 7549



135/65/28 IN  
342/164/70 CM



5-25 GPM  
19-95 LPM



**FLOWER N°2**  
VOR 7550



135/107/30 IN  
342/272/76 CM



15-30 GPM  
56.78-113.56 LPM



**FLOWER N°4**  
VOR 7552



154/79/30 IN  
389/200/76 CM





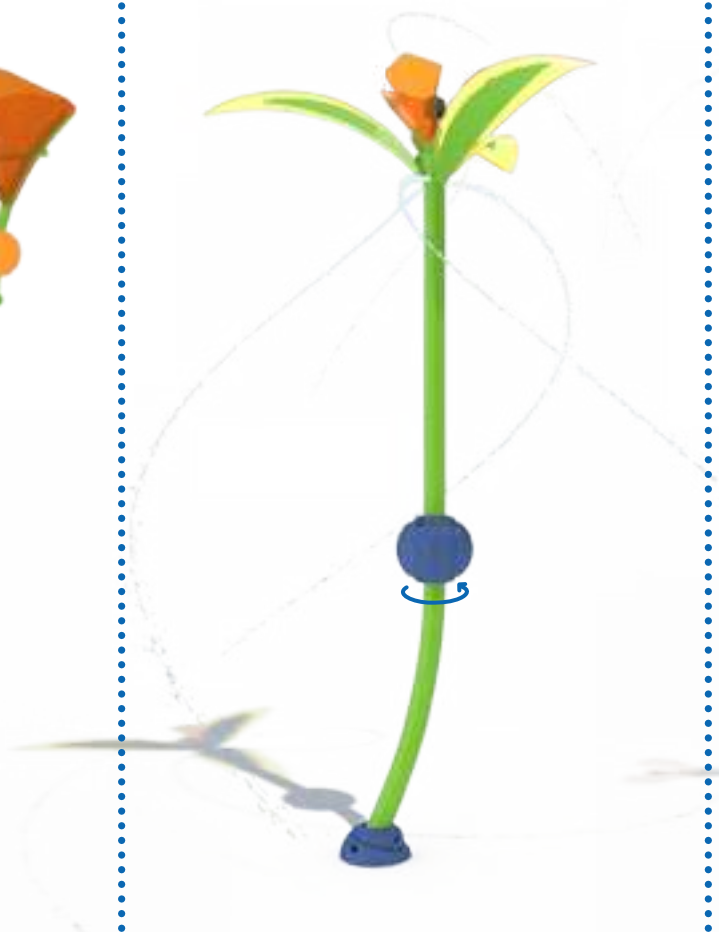
7-18 GPM  
26.5-68.14 LPM








**FLOWER N°5**  
VOR 7557

 153/15/102 IN  
388/38/260 CM  
 6-10 GPM  
22.7-37.85 LPM






**BLOOM N°1**  
VOR 7486

 120/55/64 IN  
305/141/162 CM  
 7-10 GPM  
26.5-37.85 LPM  
 TWIRLTEC™  
TWIRLFLOW™



**BLOOM N°2**  
VOR 7487

 109/34/28 IN  
277/86/71 CM  
 5-12 GPM  
18.92-45.42 LPM  
 PODSPRAY™  
TWIRLFLOW™



**NATURE**  
COLLECTION

**WAVY PALM**  
VOR 0510



150/82/82 IN  
381/209/209 CM



20-30 GPM  
75.71-113.56 LPM

**FLOWER**  
VOR 0564



139/77/77 IN  
354/196/196 CM



20-30 GPM  
75.71-113.56 LPM

**LEAF N°2**  
VOR 7657



122/102/37 IN  
310/259/94 CM



3-8 GPM  
11.36-30.28 LPM





### LEAF N°3 VOR 7672



129/94/112 IN  
328/239/285 CM



5-15 GPM  
18.93-57 LPM



### LEAF N°4 VOR 7675



129/102/41 IN  
328/259/104 CM



6-13 GPM  
22.71-49.21 LPM



TWIRLFLOW™



**NATURE**  
COLLECTION



**AQUALIEN  
POWER FLOWER N°1**  
VOR 7631



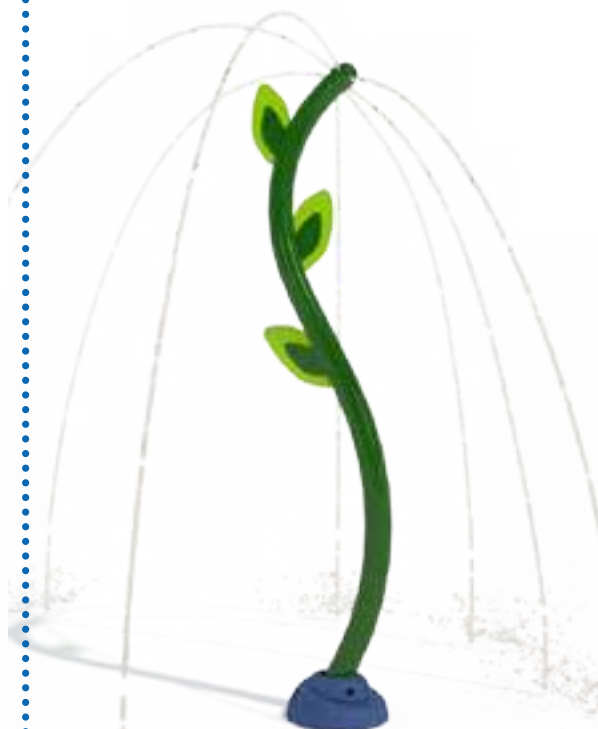
86/44/58 IN  
219/112/148 CM



12-20 GPM  
45.42-75.71 LPM



PODSPRAY™



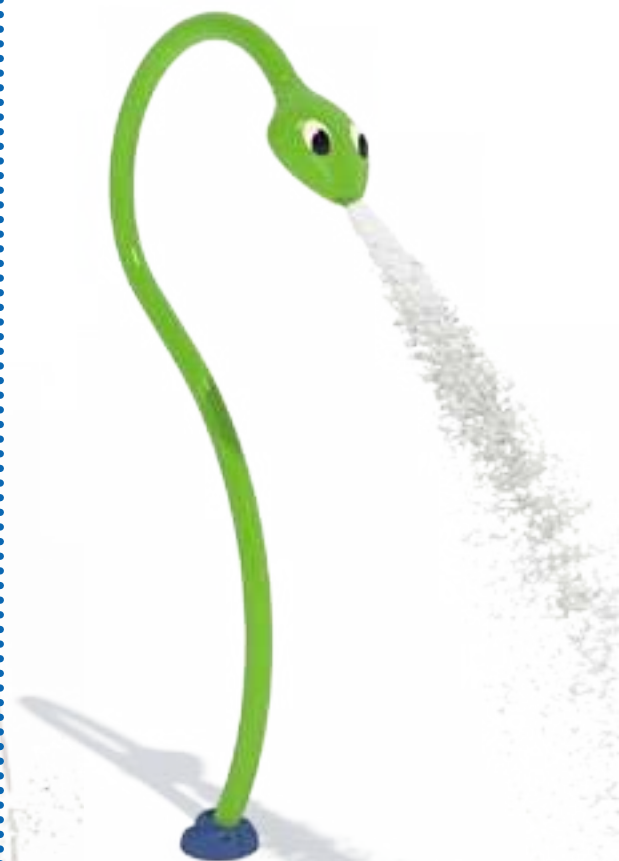
**SEAWEED N°3**  
VOR 7781



78/17/13 IN  
197/42/33 CM



4-7 GPM  
15.14-26.5 LPM



**SEA SERPENT N°1**  
VOR 7577



135/17/62 IN  
343/44/158 CM



20-40 GPM  
75.71-151.42 LPM





**SCORPION**  
VOR 7652



190/139/187 IN  
482/353/475 CM



81-145 GPM  
306.62-548.88 LPM



FUNFLOW ACTUATOR™





**NATURE**  
COLLECTION

## SPIDER VOR 7653



125/191/205 IN  
317/484/521 CM



59-118 GPM  
223.34-446.68 LPM



FUNFLOW ACTUATOR™





**FROG N°2**  
VOR 7201



25/20/20 IN  
62/51/51 CM



3-5 GPM  
11.36-18.93 LPM



**FROG N°4**  
VOR 7203



47/20/20 IN  
119/51/51 CM



57-65 GPM  
215.77-246.05 LPM



24-27 GPM  
90.8-102 LPM



**FROG N°6**  
VOR 7659



110/59/40 IN  
279/150/151 CM

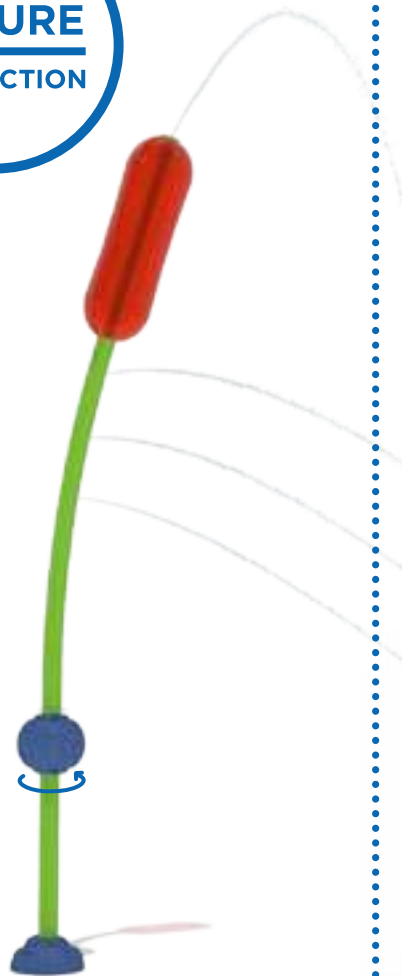


25-35 GPM  
95-133 LPM



PODSPRAY™





**CATTAIL TWIRL**  
VOR 7782



143/35/12 IN  
363/89/31 CM



2-6 GPM  
3.79-22.7 LPM



TWIRLITEC™



**FROG N°1**  
VOR 7200



25/20/20 IN  
62/51/51 CM



10-13 GPM  
38-49 LPM



**SNAIL N°4**  
VOR 7217



31/18/27 IN  
79/45/68 CM



5-8 GPM  
18.93-30.28 LPM



PODSPRAY™







# OCEAN COLLECTION HIGHLIGHTS

The Ocean Collection has all of the elements to whet the young swashbuckler's appetite for seafaring fun. Children of all ages can discover sea creatures big and small. Or they return to their ship to sail the seven seas. Beware of the pirates!

---

## COLOR MOODS





# PRODUCT SPECIFICATIONS LEGEND



MEASUREMENTS (H/W/L OR DIAMETER)



FLOW (GPM/LPM)



SMARTFLOW™ (GPM/LPM)



INTERACTIVITY



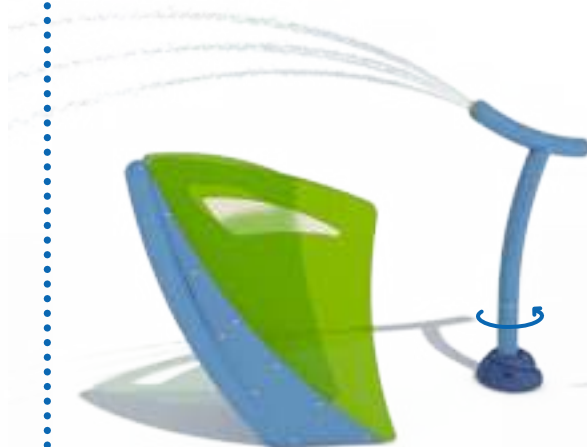
**BOAT WHEEL N°1**  
VOR 7678



52/22/29 IN  
132/56/74 CM



4-8 GPM  
15.14-30.28 LPM



**BOW N°1**  
VOR 7673



46/25/79 IN  
117/63/200 CM



3-5 GPM  
11.36-18.93 LPM



**SAIL TWIRL N°1**  
VOR 7677



173/71/12 IN  
411/180/30.5 CM



3-6 GPM  
11.4-22.7 LPM



TWIRLTEC™





**SAILBOAT N°1**  
VOR 7671



159/82/238 IN  
405/208/606 CM



20-38 GPM  
75-143 LPM



TWIRLITEC™





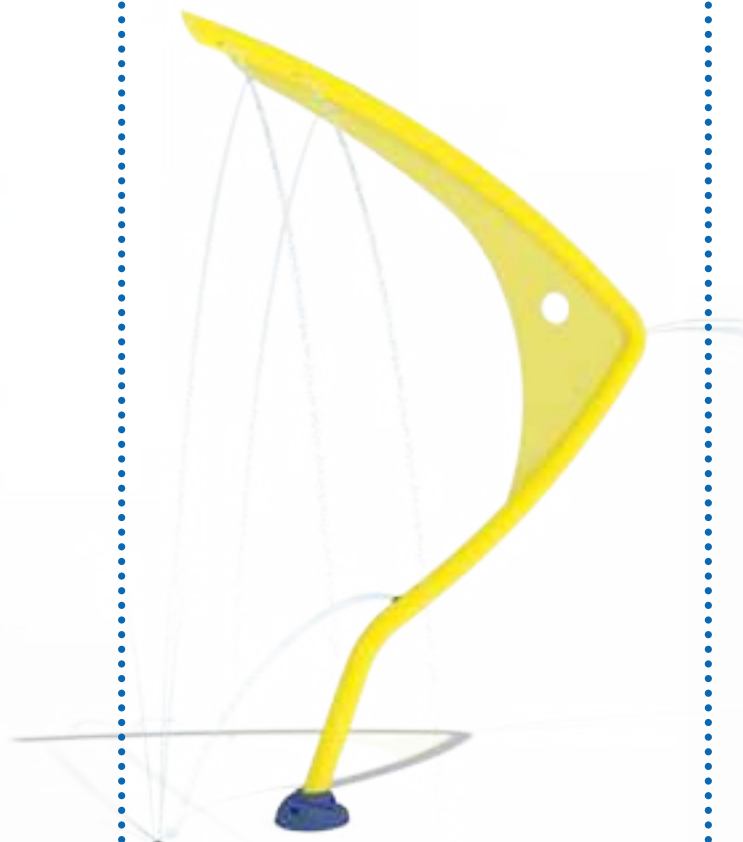
**SNAKE N°2**  
VOR 7214



142/56/20 IN  
361/143/51 CM



5-8 GPM  
18.93-30.28 LPM



**SEA SILHOUETTE  
ANGELFISH**  
VOR 7685



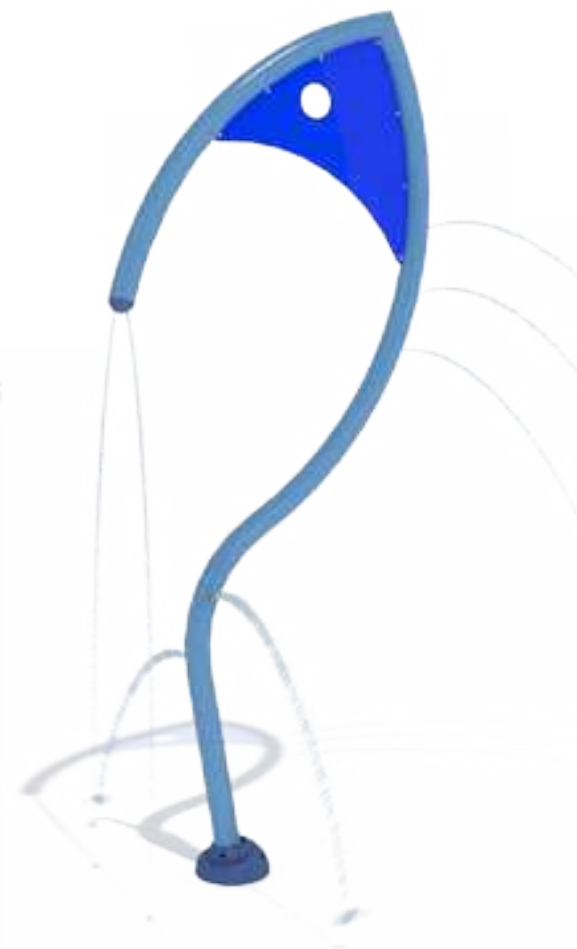
141/93/13 IN  
358/236/33 CM



11-19 GPM  
41.6-71.9 LPM



PODSPRAY™



**SEA SILHOUETTE  
FISH**  
VOR 7687



145/59/13 IN  
368/150/33 CM



10-18 GPM  
37.9-68.1 LPM



PODSPRAY™



**OCEAN**  
COLLECTION



**SEA SILHOUETTE  
CRAB CLAW**  
VOR 7686



150/67/13 IN  
381/170/33 CM



7-13 GPM  
26.5-49.2 LPM



**TWIRLFLOW™  
PODSPRAY™**



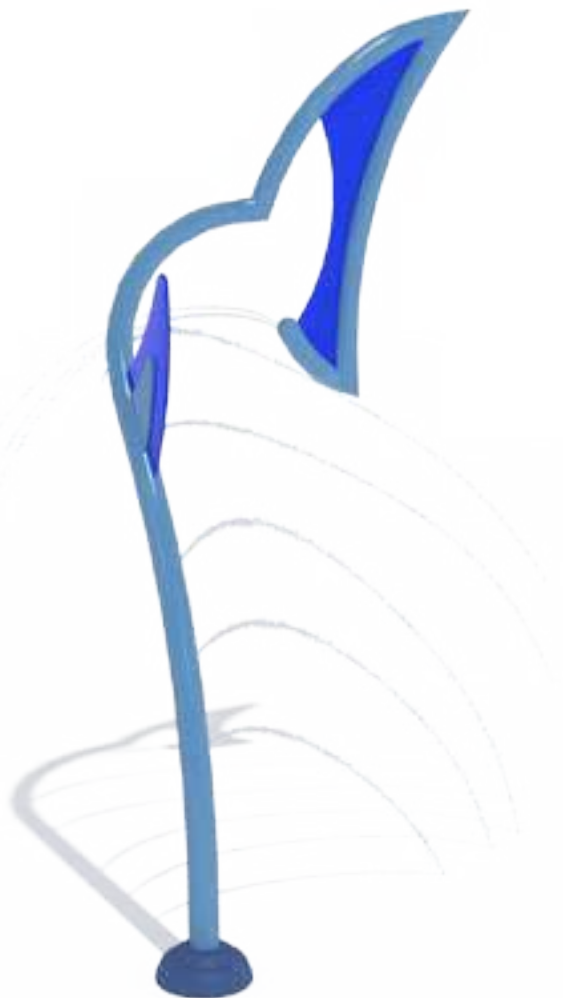
**SEA SILHOUETTE  
SEAHORSE**  
VOR 7684



149/48/14 IN  
379/122/36 CM



6-11 GPM  
22.7-41.6 LPM



**SEA SILHOUETTE  
SHARK**  
VOR 7683



164/89/62 IN  
417/226/158 CM



8-15 GPM  
30.3-56.8 LPM





**LOBSTER**  
VOR 7656

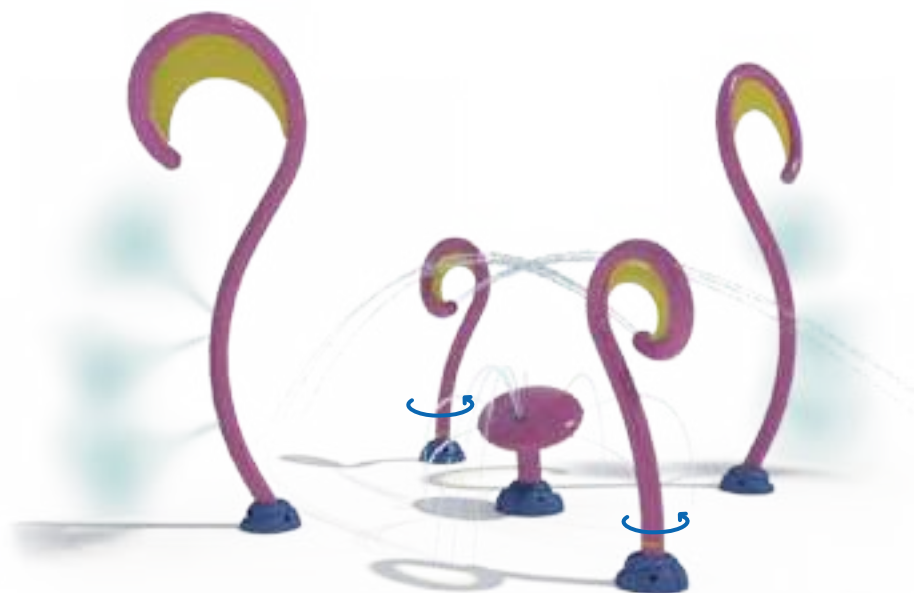


117/188/167 IN  
296/477/424 CM



100-150 GPM  
378.54-567.81 LPM





**SEA SILHOUETTE  
OCTOPUS**  
VOR 7691



86/93/119 IN  
217/235/302 CM



20-32 GPM  
75.7-121 LPM



PODSPRAY™



**SEA SILHOUETTE  
TURTLE**  
VOR 7689

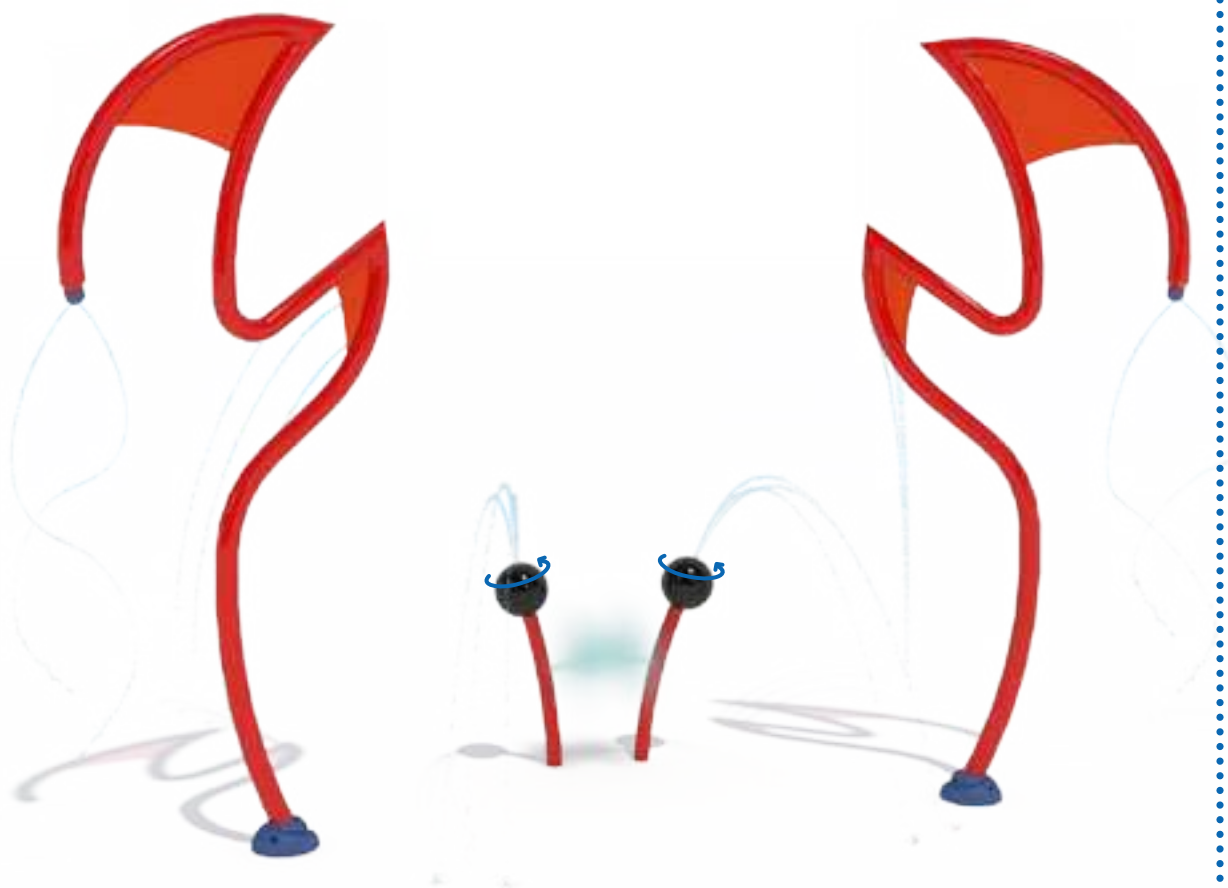


144/131/13 IN  
366/332/33 CM



9-18 GPM  
34.1-68.1 LPM





### SEA SILHOUETTE CRAB VOR 7690



149/206/65 IN  
377/523/163 CM



10-34 GPM  
37.9-129 LPM



TWIRLFLOW™



### SEA SILHOUETTE PELICAN VOR 7688



143/90/12 IN  
363/229/31 CM



5-10 GPM  
18.93-37.9 LPM



TWIRLTECT™





**SEAWEED N°1**  
VOR 7779



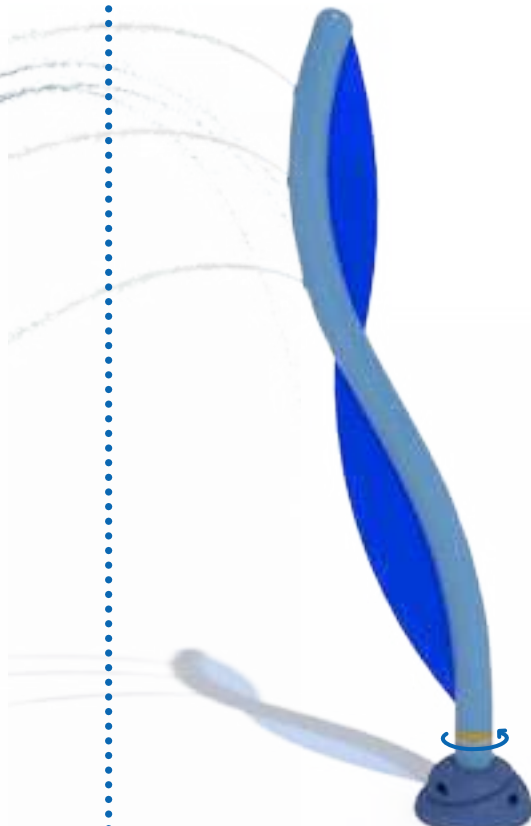
57/24/11 IN  
145/61/28 CM



2-4 GPM  
3.79-15.14 LPM



PODSPRAY™



**SEAWEED N°2**  
VOR 7780



73/21/11 IN  
184/54/27 CM



3-6 GPM  
11.36-22.71 LPM



**FISH N°1**  
VOR 7218



33/27/14 IN  
83/69/36 CM



3-5 GPM  
11.36-18.93 LPM





**CRAB N°1**  
VOR 7208

- 26/24/25 IN  
67/60/64 CM
- 3-5 GPM  
11.36-18.93 LPM



**TURTLE N°2**  
VOR 7216

- 23/26/29 IN  
58/65/73 CM
- 6-10 GPM  
22.71-38 LPM



**TURTLE N°3**  
VOR 7219

- 50/24/28 IN  
127/63/72 CM
- 16-23 GPM  
61-86 LPM





**SEA SILHOUETTE LANTERNFISH**  
VOR 7682

143/118/13 IN  
363/300/33 CM

6-10 GPM  
22.7-37.9 LPM

PODSPRAY™



**CRAB N°2**  
VOR 7220

53/23/25 IN  
134/59/64 CM

16-23 GPM  
61-86 LPM







# URBAN COLLECTION HIGHLIGHTS

The Urban Collection features modern architectural shapes inspired by city life. The sleek, clean lines integrate the collection with any surrounding environment, while contemporary color moods add a vibrant 'pop'.

---

## COLOR MOODS





# PRODUCT SPECIFICATIONS LEGEND



MEASUREMENTS (H/W/L OR DIAMETER)



FLOW (GPM/LPM)



SMARTFLOW™ (GPM/LPM)



INTERACTIVITY



**BAMBOO CANNON N°1**  
VOR 7722



49/11/27 IN  
125/27/69 CM



5-10 GPM  
18.93 - 37.85 LPM



2-7 GPM  
7.57-26.5 LPM



PODSPRAY™



**BAMBOO CANNON N°2**  
VOR 7721



49/11/32 IN  
125/27/82 CM



5-10 GPM  
18.93 - 37.85 LPM



2-7 GPM  
7.57-26.5 LPM



PODSPRAY™



**BAMBOO CANNON N°3**  
VOR 7720



52/11/29 IN  
133/27/74 CM



5-10 GPM  
18.93 - 37.85 LPM



2-7 GPM  
7.57-26.5 LPM

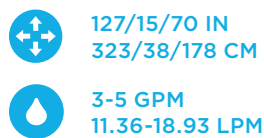


PODSPRAY™

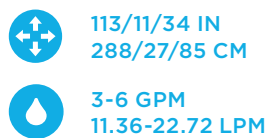




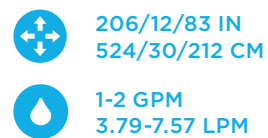
**BAMBOO N°4**  
VOR 7723



**BAMBOO N°5**  
VOR 7724



**BAMBOO N°6**  
VOR 7725







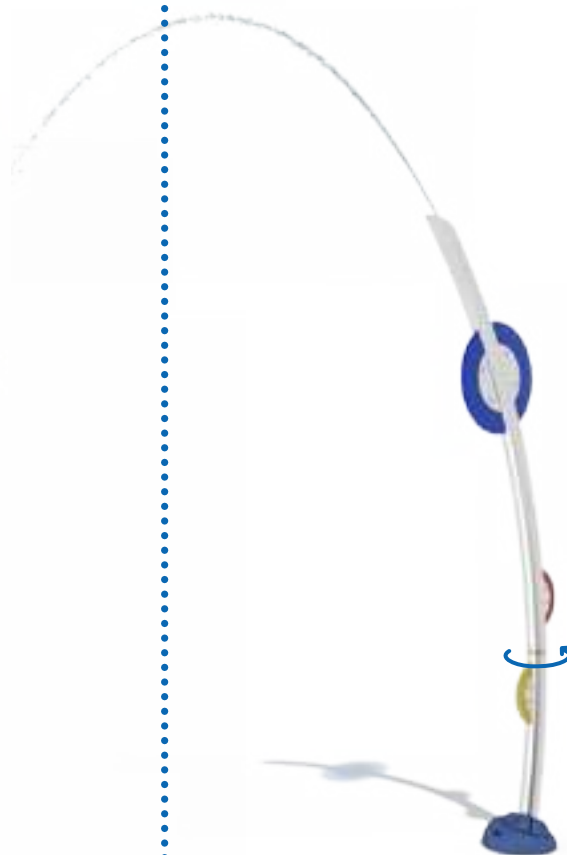
**BAMBOO N°8**  
VOR 7727



138/11/38 IN  
351/27/96 CM



16 GPM  
60.57 LPM



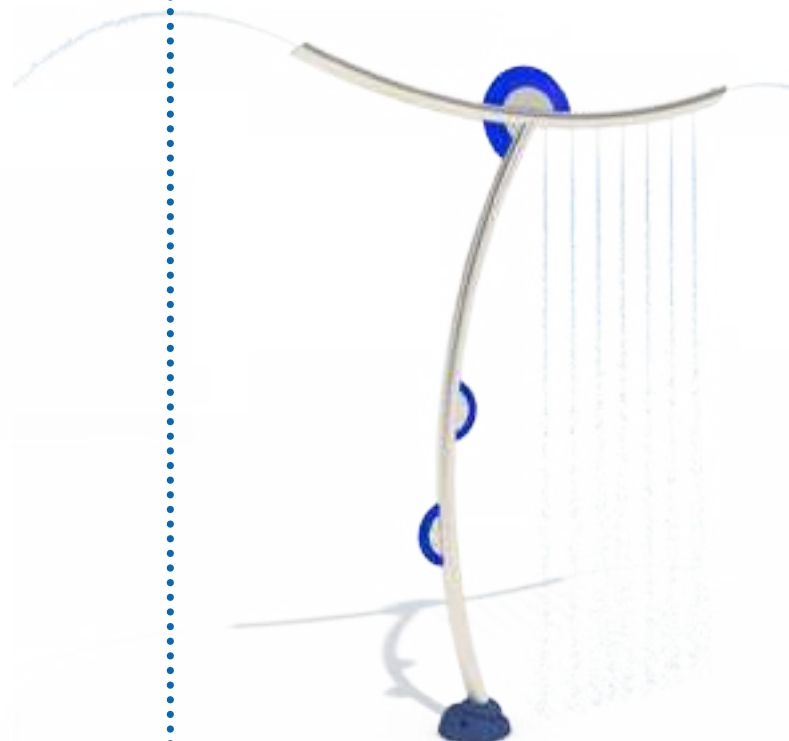
**BAMBOO N°9**  
VOR 7728



110/11/35 IN  
279/27/89 CM



1-2 GPM  
3.79-7.57 LPM



**BAMBOO N°10**  
VOR 7730

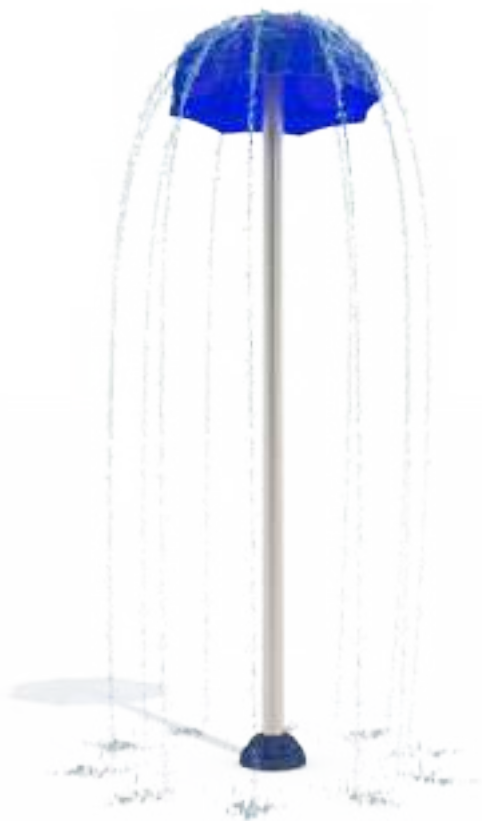


121/11/94 IN  
307/27/240 CM



10 GPM  
37.85 LPM





**OMBRELLO N°1**  
VOR 7445



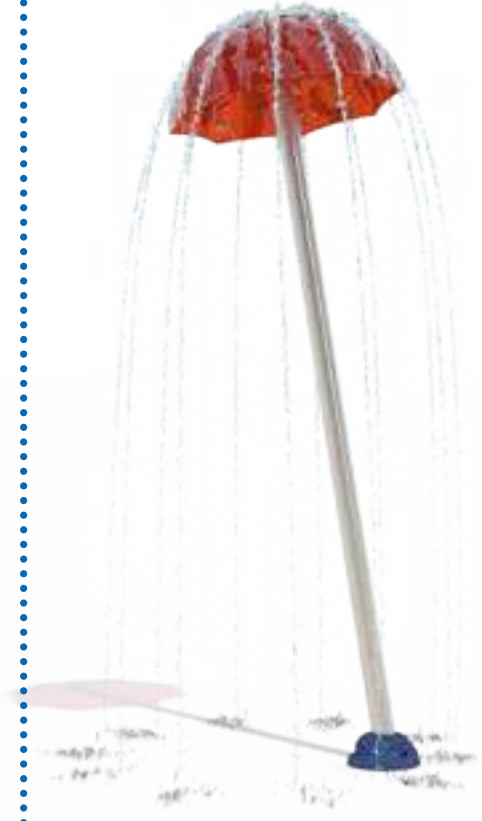
122/36/36 IN  
310/91/91 CM



5-7 GPM  
18.92-26.49 LPM



2-3 GPM  
7.57-11.35 LPM



**OMBRELLO N°3**  
VOR 7441



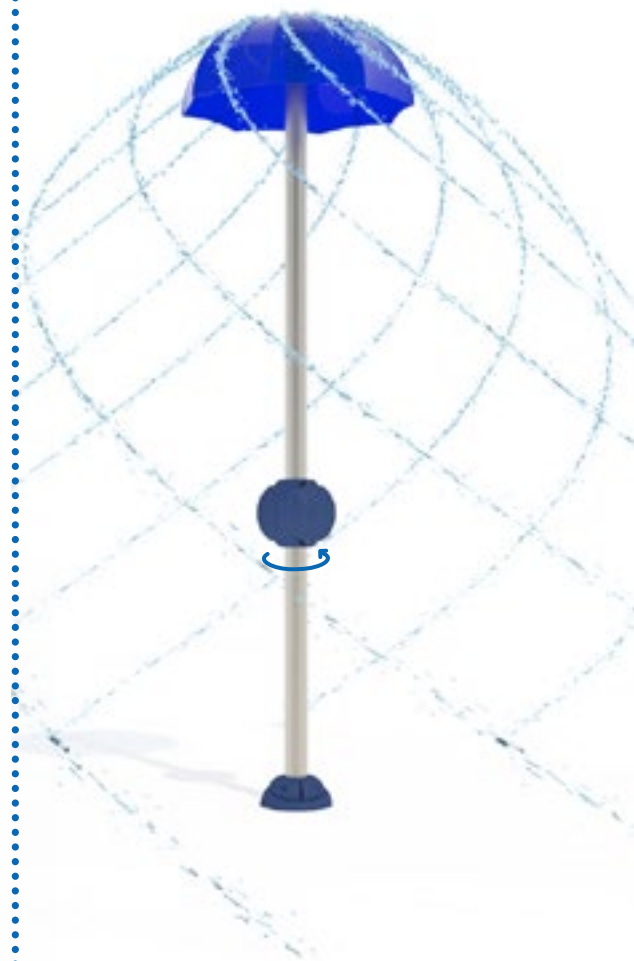
112/36/38 IN  
284/91/96 CM



5-7 GPM  
18.92-26.49 LPM



2-3 GPM  
7.57-11.35 LPM



**OMBRELLO TWIRL N°1**  
VOR 7446



122/36/36 IN  
310/91/91 CM



5-7 GPM  
18.92-26.49 LPM



**TWIRLTECT™**





**SPIN N°1**  
VOR 7450



44/37/37 IN  
111/94/94 CM



4-6 GPM  
15.14-22.71 LPM



SPINTEC™



**OMBRELLO SPIN N°2**  
VOR 7449



42/37/37 IN  
107/94/94 CM



4-6 GPM  
15.14-22.71 LPM



SPINTEC™



**TOT TWISTER**  
VOR 7030



27/13/13 IN  
69/33/33 CM



10-20 GPM  
37.85-75.71 LPM





**PLUX THRILL 'N' SPILL**  
VOR 0535



132/72/70 IN  
335/183/179 CM



25-30 GPM  
94.64-113.56 LPM



**PLUX CANE**  
VOR 7395



123/14/57 IN  
312/36/145 CM



11-17 GPM  
41.64-64.35 LPM



**WATER WILLOW**  
VOR 7394



134/87/87 IN  
340/221/221 CM



10-25 GPM  
37.85-94.64 LPM





**THREE BELLS N°1**  
VOR 7372



132/77/87 IN  
335/195/220 CM



9-15 GPM  
34.07-56.78 LPM



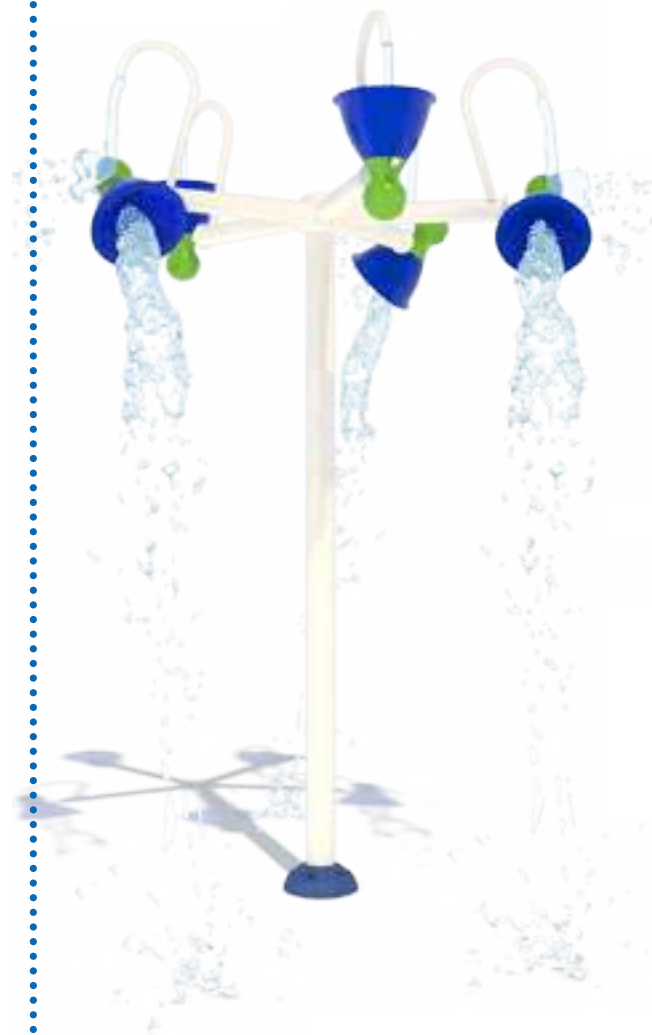
**THREE BELLS N°2**  
VOR 7571



131/90/90 IN  
333/229/229 CM



9-15 GPM  
34.07-56.78 LPM



**FIVE BELLS**  
VOR 7383



135/89/93 IN  
344/227/236 CM



15-25 GPM  
56.78-94.64 LPM





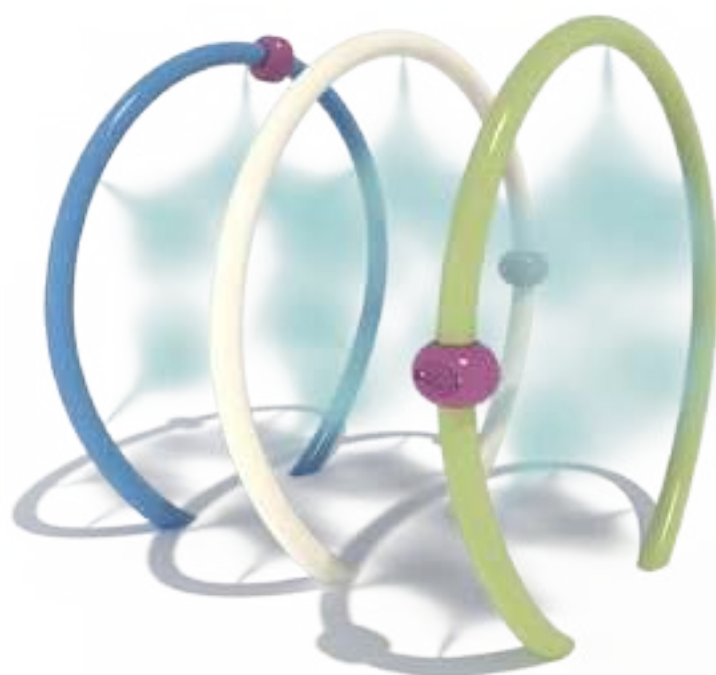
**HUDDLE SPRAY N°3**  
VOR 7565



96/123/85 IN  
243/311/215 CM



30-60 GPM  
113.56-170.34 LPM



**ORBIT**  
VOR 7398



75/85/92 IN  
190/215/234 CM



30-45 GPM  
113.56-170.34 LPM



15-30 GPM  
56.78-113.56 LPM





**SILHOUETTE N°1**  
VOR 7772



40/13/13 IN  
102/33/33 CM



10-18 GPM  
37.85-68.14 LPM



**SILHOUETTE N°2**  
VOR 7773



55/13/13 IN  
139/33/33 CM



2-7 GPM  
8-26 LPM



**SILHOUETTE N°3**  
VOR 7774



79/26/13 IN  
201/66/33 CM



4-8 GPM  
15-30 LPM





**SILHOUETTE N°4**  
VOR 7776



112/21/25 IN  
286/55/64 CM



12-18 GPM  
45-68 LPM



**SILHOUETTE N°5**  
VOR 7777



85/19/23 IN  
215/50/59 CM



4-7 GPM  
15.14-26.46 LPM







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