



VORTEX

SPLASHPAD

A highly desired and sustainable amenity that strengthens community ties

By Derbhla Dunne, marketing manager, Vortex Aquatic Structures International

FOR SEVERAL YEARS now, spray park installations have been identified as highly desired amenities for all types of recreation

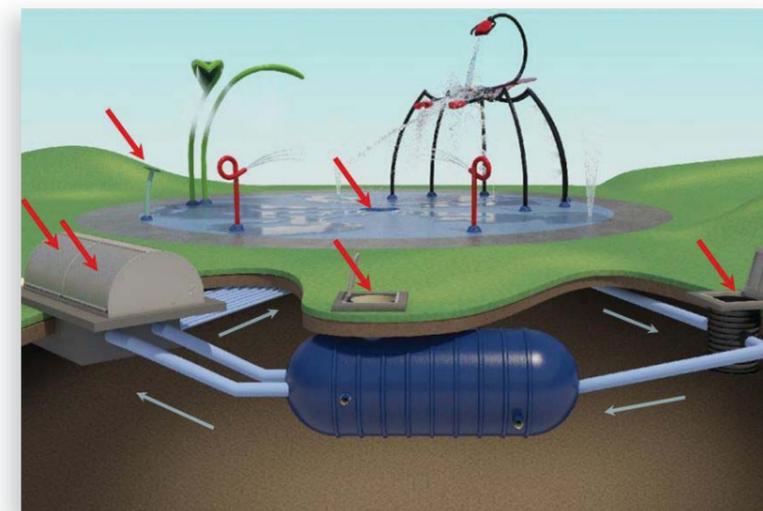
environments. They've been implemented in municipal parks, community recreation centres, family fun centres, public swimming pools, aquatic centres and water parks.

What is it that has made these systems so successful and popular? Here are the leading factors that have contributed to the success of Splashpads.

Environmentally sustainable play

Today, the need to conserve our natural resources has become essential to our future. Splashpads offer several conservation options that make them a viable and socially responsible amenity.

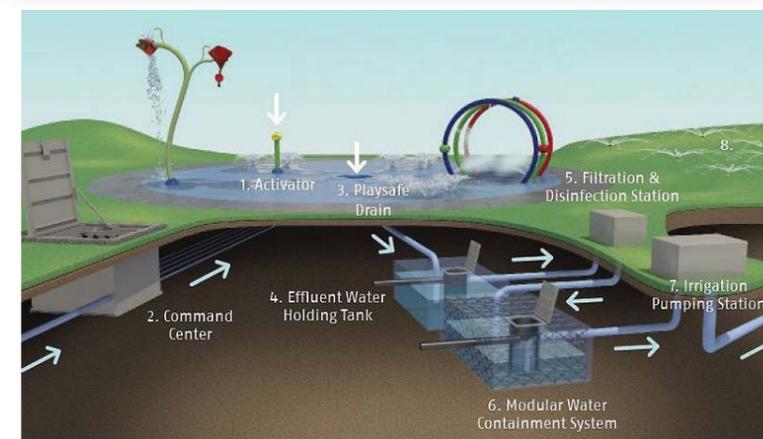
Assessing a water management system is a vital part of the planning process for any Splashpad installation. Recirculation systems and capture and repurposing systems offer advanced technology for water



LEFT Highflow WMS Diagram
BELOW LEFT Capture && Repurpose

HOW THE CAPTURE REPURPOSE SYSTEM WORKS

1. A user touches the activator, sending a signal to the command centre
2. The command centre releases potable water to the play products based on preset sequences and timing
3. Water passes through the drain, is strained for debris...
4. ... and is transferred to the effluent water holding tank
5. It is then sent through the filtration & disinfection system
6. Treated water is transferred to the modular water containment system
7. The irrigation pumping station draws water from the MWCS at the onset of scheduled irrigation
8. Water nourishes the vegetation and returns to nature



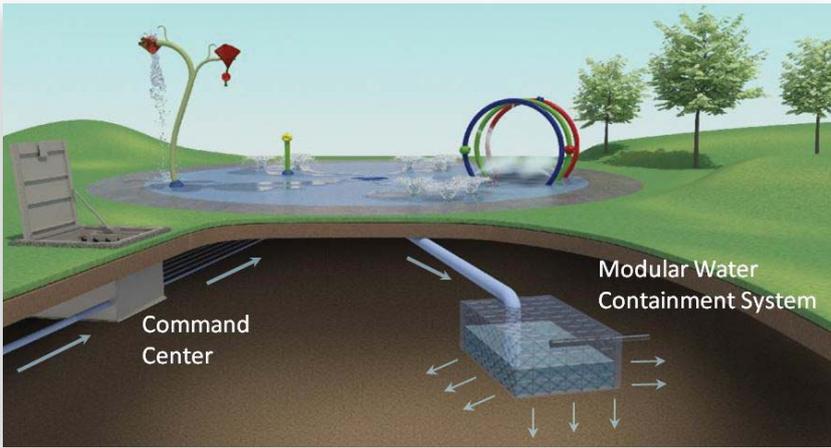
We turn your big ideas into unique aquatic play solutions that will make your park the envy of communities everywhere. Create beautiful landscape designs and bring families together for fun, stress-free play. All through the wonder of water.



World leader in aquatic play solutions with over 5,000 installations worldwide
vortex-intl.com • info@vortex-intl.com
1.877.586.7839 (free USA/CND) • +1.514.694.3868 (Intl.)

Represented in South Africa by:

Vortex South Africa
+27 (0) 86 100 1010
nico@vortexplay.co.za
www.vortexplay.co.za



Percolation allows effluent water to be captured and reused to replenish the natural water table, effectively conserving water

provide, at the same time, an exciting place for families to gather and meet. While kids are playing and enjoying the water, parents can mingle and socialise and enjoy the outdoors. This in turn brings high visibility to a municipality, and will attract visitors from surrounding areas.

Modest investment for high value

While a Splashpad cannot replace a full-service pool, it is an affordable way to add a water amenity for a relatively small investment. Compared to long-lasting Splashpads, traditional swimming pools and wading pools have high start up and maintenance costs.

This is mainly due to the ease of Splashpad operation. Less time is required to upkeep the system and the need for trained staff and lifeguards is lessened, therefore reducing labour costs. The structures are built to be durable and vandalism-resistant, making repairs and part replacements minimal. These are all-important considerations in planning for the long-term costs of any new amenity.

PLANNING FOR THE FUTURE WITHIN TODAY'S BUDGET

Expandability using the Vortex-patented Safeswap™ Anchoring System, allows staging of installation.

management, and serve as superior water conservation options to traditional drain-away systems. They allow effluent water to be contained, filtered, disinfected and redistributed in a closed circuit, or for it to be collected and transferred to a containment reservoir to be repurposed to irrigation, leach, or replenishment systems.

Certain physical attributes of the play structures can also reduce water usage. Play features are activated by users on demand only; water doesn't get consumed beyond user interaction. The features can also be sequenced so that water flow from feature to feature is distributed proportionally as opposed to all at once, and will

automatically shut off after a set period of time.

Innovative community enhancement

Splashpad play areas provide a unique way of bringing vitality to their communities. This exciting amenity brings families and communities together, providing refreshment on a hot summer day. The Splashpad quickly becomes a secure and open central gathering point where bonds are formed. The colourful, impressive structures are eye-catching in any setting. With the wide array of design options available, a unique Splashpad can tie in to any surrounding and

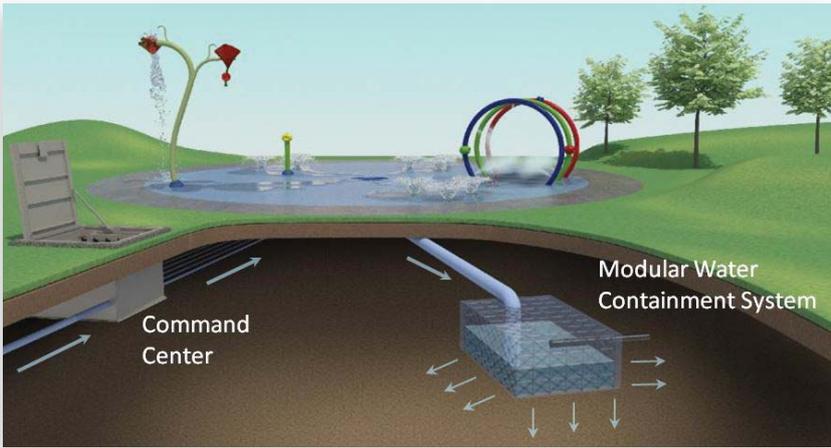
What it's all about

Splashpads are safe, environmentally sustainable, cost-effective and can be a source of fun for all. Timothy O'Brien, the mayor of the city of New Britain in Connecticut, USA, understood the importance of a Splashpad for his community at the Chesley Park Splashpad opening. The mayor said the Splashpad "was a high priority for me to get done. We need more activities for kids on the east side. Investment in our parks is important. It's about building a good quality of life in the community." ■

DESIGN PHILOSOPHY

Inclusive Play (play opportunities for all ages and abilities) and Value of Play (encourages active bodies and minds) are at the foundation in the development of Vortex solutions.

| | | | |
|--|------------------------------|--|------------------------------|
| | CROSS-GENERATIONAL | | PHYSICAL DEVELOPMENT |
| | COGNITIVE DEVELOPMENT | | INTERACTIVE |
| | COLLABORATIVE | | MOTOR SKILLS |
| | | | SENSORIAL DEVELOPMENT |
| | | | SOCIAL DEVELOPMENT |



Percolation allows effluent water to be captured and reused to replenish the natural water table, effectively conserving water

provide, at the same time, an exciting place for families to gather and meet. While kids are playing and enjoying the water, parents can mingle and socialise and enjoy the outdoors. This in turn brings high visibility to a municipality, and will attract visitors from surrounding areas.

Modest investment for high value

While a Splashpad cannot replace a full-service pool, it is an affordable way to add a water amenity for a relatively small investment. Compared to long-lasting Splashpads, traditional swimming pools and wading pools have high start up and maintenance costs.

This is mainly due to the ease of Splashpad operation. Less time is required to upkeep the system and the need for trained staff and lifeguards is lessened, therefore reducing labour costs. The structures are built to be durable and vandalism-resistant, making repairs and part replacements minimal. These are all-important considerations in planning for the long-term costs of any new amenity.

PLANNING FOR THE FUTURE WITHIN TODAY'S BUDGET

Expandability using the Vortex-patented Safeswap™ Anchoring System, allows staging of installation.

management, and serve as superior water conservation options to traditional drain-away systems. They allow effluent water to be contained, filtered, disinfected and redistributed in a closed circuit, or for it to be collected and transferred to a containment reservoir to be repurposed to irrigation, leach, or replenishment systems.

Certain physical attributes of the play structures can also reduce water usage. Play features are activated by users on demand only; water doesn't get consumed beyond user interaction. The features can also be sequenced so that water flow from feature to feature is distributed proportionally as opposed to all at once, and will

automatically shut off after a set period of time.

Innovative community enhancement

Splashpad play areas provide a unique way of bringing vitality to their communities. This exciting amenity brings families and communities together, providing refreshment on a hot summer day. The Splashpad quickly becomes a secure and open central gathering point where bonds are formed. The colourful, impressive structures are eye-catching in any setting. With the wide array of design options available, a unique Splashpad can tie in to any surrounding and

What it's all about

Splashpads are safe, environmentally sustainable, cost-effective and can be a source of fun for all. Timothy O'Brien, the mayor of the city of New Britain in Connecticut, USA, understood the importance of a Splashpad for his community at the Chesley Park Splashpad opening. The mayor said the Splashpad "was a high priority for me to get done. We need more activities for kids on the east side. Investment in our parks is important. It's about building a good quality of life in the community." ■

DESIGN PHILOSOPHY

Inclusive Play (play opportunities for all ages and abilities) and Value of Play (encourages active bodies and minds) are at the foundation in the development of Vortex solutions.

| | | | |
|--|------------------------------|--|------------------------------|
| | CROSS-GENERATIONAL | | PHYSICAL DEVELOPMENT |
| | COGNITIVE DEVELOPMENT | | INTERACTIVE |
| | COLLABORATIVE | | MOTOR SKILLS |
| | | | SENSORIAL DEVELOPMENT |
| | | | SOCIAL DEVELOPMENT |