

Crystal Fountains

Crystal Fountains Commercial Products

Previously manufactured under the DEFO name, Crystal Fountains offers:

- Complete line of fountain products
- Lighting – LED + Traditional
- Nozzles – Sequencing + Traditional
- Drains + Inlets
- Electrical and Accessories
- Replacement Parts
- Custom products
- Technical and Visual Product Support

Crystal Fountains Consulting

Award-winning water feature consultants collaborating with architects, developers and designers worldwide.

WaterCrystal™

A line of pre-engineered products for the residential swimming pool and small fountain market.

Have a look at some of our most popular product categories and products. To view all our products and up to date technical information, log on to www.crystalfountains.com

Nozzles – Programmable

Exciting nozzles that can be programmed for incredible water shows. Many of our sequencing nozzles have built-in LED lights that create spectacular water and light shows. Also check out our LED power/data and animation panels on the back!

ChoreoSwitch®

Crystal Fountains proprietary ChoreoSwitch is a sequencing device used in interactive play decks for exciting programmed effects or used in more traditional but entertaining fountains. Each ChoreoSwitch is an all-in-one unit that makes it easy for installation, maintenance and public safety. The key feature of the ChoreoSwitch is the sequencing solenoid device that can produce fast programmed effects at high switching speeds (up to 10x per second with no waterhammer to piping)! Unique design also delivers even water pressure to all nozzles ensuring an equal height.

Comes in many versions to suit your application:

- 12V or 24V
- 4 different nozzle effects
- RGB LED lights, White Halogen lights, No light
- Round Niche, Square Niche or Suspended deck applications
- Bronze or Stainless steel finishing

For Fountains – SWS 100 Series

- 2 types of nozzle effects (Plume = Streamy or Aerator = Foamy)
- 2 different inlet sizes for effect – 1" (25mm) and 1 1/2" (38mm)
- Available in 12V or 12VAC



For Playdecks – LED 180 Series

- Slab Hung for Suspended Deck
- Niche

This section of ChoreoSwitches shows products appropriate for suspended deck or poured deck fountains (playdecks) with no standing body of water. ChoreoSwitches appropriate for this application come in these variations:

- Suspended Deck (Slab style)
- Poured Deck (Niche Style)
- Niches – Round or Square
- 4 different nozzle effects (Column, Angled Ring, Crown effect, Clear Stream)
- Stainless Steel or Bronze finish
- No Lights, LED RGB or White Halogen Lights
- 12V ChoreoSwitches



Laminar and Leaper

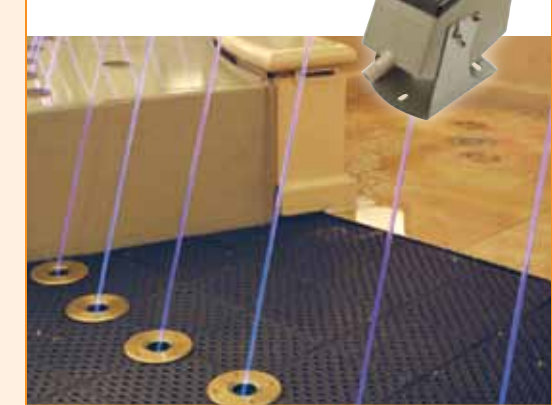
The Laminar and Leaper are two classic sequencing water effects that are always crowd pleasers:

- **Laminars** – create a glass-like rod of water that is perfectly clear and still. When lit from the base unit, the water appears to glow when lit with built-in RGB LED light. Also available with a "Starburst" effect creating traveling "bursts" of light.
- **Leapers** – the same glass-like rod of water that's programmed to "jump". Makes for playful watching when jumping from one location to another. Can be lit with fiber optics or with an internal RGB LED light.

Laminar + Starburst Laminar

The Crystal Fountains Laminar produces a 1/2" (12mm) diameter glass-like water rod that hits the water virtually sound-free and splash-free. The Starburst LED Laminar comes with the Starburst Kit creating a traveling "starburst" light that appears from opening to end of the water stream.

- Fiber Optic – WMV107
- LED – WMV117 Series



Electric Leaper

The Crystal Fountains Electric Leaper produces a 1/2" (12mm) diameter glass-like water rod that creates jumping and leaping effects. This popular leaper effect is lit with fiber optic lighting for spectacular light shows. Also available in LED version for easier installation and infinite range of lighting programmability.

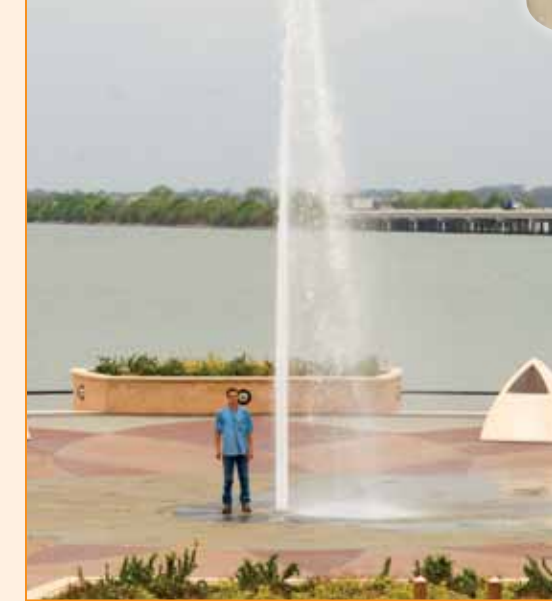
- Fiber Optic – SWV100 Series
- LED – LED140 Series



Dynamite Blast™

The Dynamite Blast produces a thick eruption of water rising up to 35' (10m). Can be used as a central focal point in many play deck designs when run at safe levels for interactive play.

- Available:
- Unlit – NNC101
- LED White – LED151
- RGB LED – LED152



V Blast

The Dynamite Blast is also available with a different configuration as the "V Blast", creating a dramatic V-shaped blast of water that can hold shape up to 20' (8m).

- Available:
- Unlit – NNC102
- LED White – LED153
- RGB LED – LED154

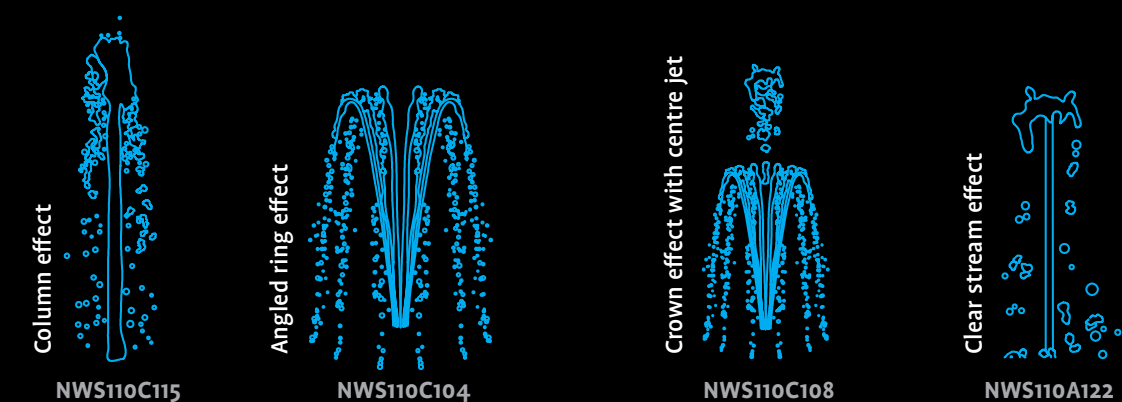


Non Sequencing LED Jet – Flushmounted LED170 Series

Get the impact of an LED light surrounding the jet of your choice for full 360° lighting. Available with Angled, Crown, Deck Level or Plume Jet effects. With spot or flood, different cable lengths and in LED white or RGB LED lamps.



Nozzle effects



Nozzles – Traditional

We carry the largest range of traditional fountain products available. Here are just a few of the most popular effects for small to large, interactive to traditional fountains:

Cascade Jet – NCA Series

One of the most popular effects over the years, the Cascade produces a geyser-like eruption of foamy white, aerated water that falls heavily in a conical pattern. Available in multiple sizes to suit your application. Also available in a Niche Cascade Jet.



Rain Curtain – NRC Series

A spectacular effect of water droplets falling from great heights in slow motion, quietly and without splash. Curtain can take many forms. Dazzling when illuminated. All you need in one handy kit.



Aerator – NIA Series

This jet provides highly aerated water in a slender, column shape. Ideal for shallow pools in small and medium-sized displays and can be grouped together closely.



Spray Jewel – NSJ Series

A sparkling spray of water that rises upward in a tulip shape and falls outwards. Ideal for smaller applications. Sparkles when lit.



Fan Jet – NGB Series

A clear, fan-shaped sheet of water with wider-based spread than the NGA Fan Jet. Works best at lower heights. Ideal when angled to 45° and used as a peripheral effect in a location free of wind.



Tulip Jet – NMC Series

A clear, thicker sheet of pulsating water rising around a center point and falling in a 360° circle.



Foam Jet – NFO Series

Easy to install, the Foam Jet creates a mass of aerated water. Ideal for medium-sized and large displays holding shape better at lower heights. Provides optimum visual and sound effects.



Bell Jet – NMF Series

A clear sheet of water in the shape of a 360° bell. Minimal sound or splash. Ideal for small and medium-sized displays in wind-free locations.



Finger Jet – NFG Series

Two rows of finger-like sprays ideal as a complement to vertical central displays in medium-sized installations. Excellent in wall-mounted applications. Excellent evaporative spray in pools and ponds or in water cooling.



Plume Jet – NEA Series

A long and slender column of water with an attractive plume shape at the end. Available in multiple sizes to suit your application.



Crown – NLF Series

A versatile, smaller jet ideal for small and medium sized pools providing gentle spray coverage and cooling. Also available as an arching effect.



Independent Foam Jet – NIF Series

A column of frothy, white, aerated water that's beautiful when illuminated. Recommended for small and medium-sized jets in shallow pools. Low profile of jet permits installation in shallow pools with a neat appearance.



Watercastle Pod – NPW Series

A popular, three-tiered water castle effect with 17 angled Aerator nozzles all in one unit for easy installation. Produces a dramatic mass of aerated water. Ideal for viewing from great distances in a larger pool of water.



Column Pod – NPA Series

A large, vertical column consisting of 3 concentric rows of clear stream nozzles with one central nozzle. Available in 3 different stream sizes and can have spray heights up to 40' (12m). Best used in larger pools providing excellent viewing at great distances, especially when illuminated.



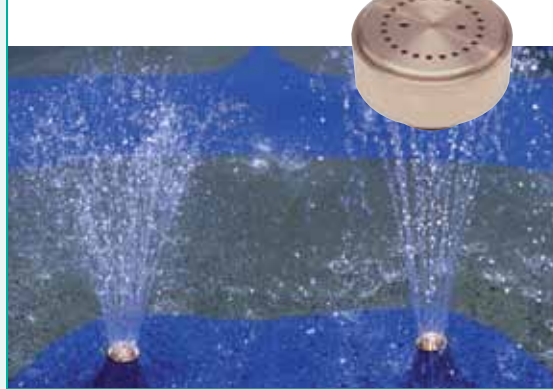
WaterCastle – NWC Series

A popular three-tiered effect of clear stream nozzles that illuminates well at night.



Ground Jet – NLG Series

A multi-purpose spray jet that can be used in small, medium-sized fountains and playdecks. Big brother to the NLF (Crown Jet), this nozzle creates a larger volume of gentle spray and is available with 4 interchangeable nozzles for different spray patterns.



Spray Ring – NSR Series

A classic, circular pattern of individual sprays with an outstanding visual effect. The spray appears lacy by day and sparkles when illuminated by night. Adjustable nozzles permit infall, straight or outfall spray pattern. Available in multiple sizes to suit your application.



Lighting – LED

Crystal Fountains manufactures a range of leading LED lighting products that can stand alone as lighting fixtures or have a combination of LED light and nozzle effect all in one unit. Not all LED lights are created equally. Crystal Fountains manufactures a range of the brightest LED lighting products manufactured with perfect optical performance.

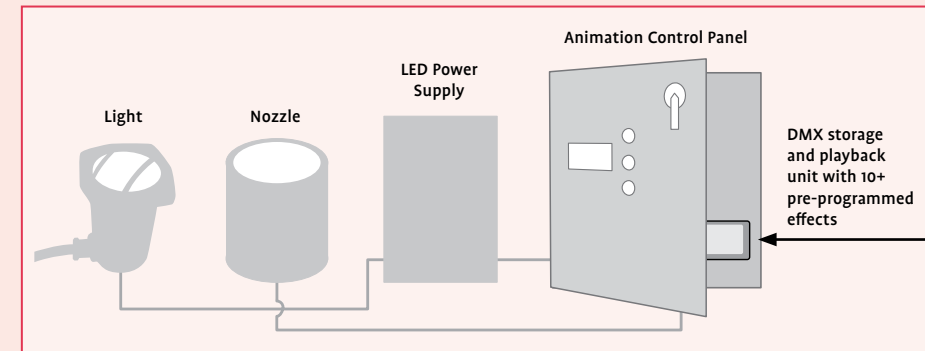
We offer LED lighting:

- Safe 12VAC and 24V
- Longest cable lengths between light and controller for easier installation
- Super compact to heavy duty with multiple mounting
- White to RGB color-changing
- For fountains or playdecks

LED systems work on an integrated total networked lighting system and include:

- Fixtures
- Controller
- Power/data supply

Please refer to our LED Accessories section for integrated product solutions. Also see our section on traditional fountain lighting.



Compact Fountain Light – LED006

A 5 watt, 24V compact and versatile light available in RGB LED. Available with various mounting options to suit your application.



LED Spotlight – LED007 Series

An 8 watt, 12V compact and versatile light available in RGB LED. Available with various mounting options to suit your application.



Dimmable White Light – LED055 Series

A 30 watt, 12V White LED light. Available with various mounting options to suit your application.



Color Changing Light – LED051 Series

A 25 watt, 24V RGB LED light. Available with various mounting options to suit your application.



Color Changing Light – LED052 Series

A 30 watt, 12V RGB LED light. Available with various mounting options to suit your application.



Ring Light – LED160 Series

A 30 watt, 12VDC LED light available in White or RGB LED. Available with 3 different mounting options. Center hole accommodates many nozzles and lights water 360°.



LED190 – Large Niche LED Light

A 25 watt, 24V RGB LED light that's perfect for any playdeck water feature. Its pedestrian-friendly clear acrylic faceplate provides a dramatic up-light to many water features and is a perfect companion to Crystal Fountains Dynamite Blast™ or V Blast nozzles. Light available in White or RGB LED.



LED Accessories

LED technology allows for the creation of exciting light and water shows. All LED installations operate as a system and include an LED component (light or nozzle), an LED power/data supply and an Animation control panel. Here are 3 LED Crystal Fountains accessories.

Animation Panel – LEDQUE1

LEDQUE1 is a compact Animation Panel which stores and plays preprogrammed light shows. The LEDQUE1 includes a removable 256Mb SD card for data storage, two DMX ports and can control two full DMX512 universes for a total of 340 individually addressed LED lights.



Power + Data Supply – LEDPS501

The LEDPS501 provides 500W of power/data supply and works with the following Crystal Fountains LED products:

- LED051 Light
- LED140 Electric Leaper (with built-in LED lights)
- WMV117 Laminar Jet (with built-in LED lights)

Two output cables, powers up to 20 LED units (10 LED units per output) and provides simplified wiring.



WaterCrystal – Small Fountain Panel

New, more affordable mini-control panel is simple and with a compact size for easier installation. Full DMX with pre-programming or custom programming available. Works with the following Crystal Fountains products:



Lighting – Traditional

From compact to heavy-duty, customize your lighting solution with 120V, 12V and 24V lighting to meet your needs. Lights are also available with different:

- Mounting applications
- Lamp Types (Spot/Flood)
- Lens Colors
- Finishes
- Lens Guards

Also see our exciting LED lighting for the latest in lighting technology.



Accessories

To keep your water feature looking and operating beautifully, we carry a range of fountain accessories:

- Water level controllers
- Water Level and Overflow
- Swivel Connectors
- Suction strainer
- Vacuum fitting

Replacement Parts

Need a replacement part for an existing water feature? We carry a line of replacement parts:

- Nozzles
- Lighting
- Electrical
- Drains + Inlets
- Accessories

WaterCrystal™

Check the Crystal Fountains web site for other pool-friendly products.

With the same professional effects as Crystal Fountains' commercial products, the WaterCrystal collection of nozzles, lighting and accessories has been specially selected for swimming pools, spas and small fountains. Each WaterCrystal product comes with simple to use, step-by-step installation guides and are pre-engineered to make it easy.

Stream Jets A simple, elegant water effect, stream jets come in various formats to suit your application. For multiple effects, the Stream Jet, Crown and Tri-Stream jet have interchangeable nozzle heads!

TriStream Jet – WMD115
This directionally adjustable TriStream Jet is designed for swimming pool to public playground applications that require flush deck level mounting. Water Streams arch out from the 1/4" (5mm) holes on the directional ball.

Crown Jet – WMF076
The Crown Jet can be used as a decorative spray feature for swimming pools and can aid in the cooling of the pool water in a hot climate. Face plate is interchangeable with WMD100 to get a stream effect and WMD115 for TriStream.

Stream Jet – WMD100
This directionally adjustable clear stream nozzle is designed for applications that require flush deck level mounting such as swimming pool decks and children's public water play areas. The gentle slender column of water produced by the 1/4" (9mm) diameter opening is recommended as a small to medium water feature nozzle. Also available in wall mount style – WMD100.

CrystalFalls™ – WMG Series
WMG Series can be used with most pool designs to create dramatic arching waterfalls. Jets are available for deck or wall mount and can pivot to produce a variation of spread and height. With and without fiber optic light. Coming soon in LED.

Fyrefly™ – WMT Series
The Fyrefly Jet easily flush mounts in your deck and wall and comes in a lit and unlit version. Out of the brass faceplate fine fingers of water are projected outwards in either a broom pattern or in a linear spray pattern. Coming soon in LED.

Foam Jet – WMO
Foam Jets provide a mound of frothy, aerated water that provide a substantial visual and sound impact. Flush-mounted, these can be arranged singly or in groupings and are child safe at low gpm. For evening enjoyment, consider the fiberoptic illuminated Foam Jet (WMO110). Coming soon in LED.

Area for Front Cover

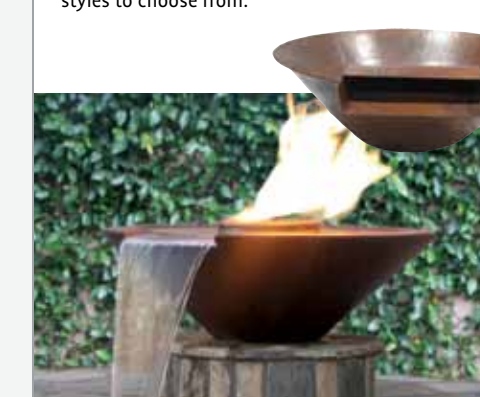
Compact Pond and Fountain Light – WML006

This attractive, compact light is an excellent multi-use pond and fountain light. It is available in a variety of halogen bulb configurations. Its compact size allows close placement to any jet for maximum light usage.



Fire and Water Bowls – WB Series

Add the excitement of fire and water to your outdoor displays (or use the bowl as a planter, planter with water, water spillway or fire only displays) 4 beautiful styles to choose from.



Water Dance Fountain Kits – WD Series by Fountain Systems

A self-contained fully choreographed water and light show, Water Dance Fountain Kits come with 3 nozzles, 8 LED lights, remote control and music. Ideal for landscape, in-concrete and floating fountain applications.



Area for Back Cover

Want to make changes to our products? Ask us about our custom manufacturing program.



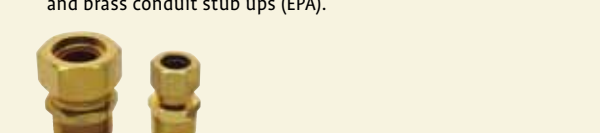
Electrical

For all your fountain electrical needs we carry a range of:

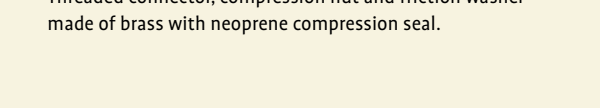
- Underwater Junction boxes
- Cord Seals
- Water Level and Wind Control Panels
- Level Sensors



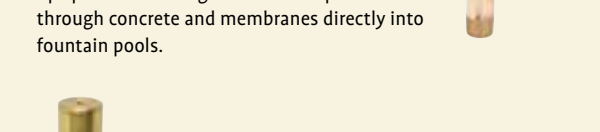
EBJ Series – Underwater Junction Box
Submersible conduit mounted junction boxes for underwater lights and pumps. Junction boxes come in various sizes and are best used with brass cord seals (EGS) and brass conduit stub ups (EPA).



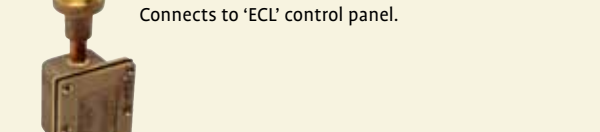
EGS Series – Junction Box Cord Seal – Standard
For watertight connections of underwater cables connecting EBJ junction boxes with lights, water level sensors and pumps. Threaded connector, compression nut and friction washer made of brass with neoprene compression seal.



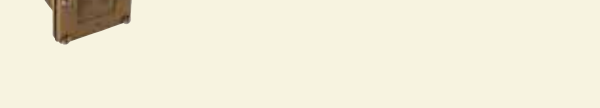
EP Series – Stub Up
Flanged bronze conduit stub ups adheres to electrical code, are leak-proof and strong. Stub ups provide watertight and secure penetrations through concrete and membranes directly into fountain pools.



ECW Series – Wind Control Panel
The ECW series wind control panel accurately senses wind velocity and adjusts the fountain controls to enable the system to continue to operate in less than perfect wind conditions. Panel includes an LCD display panel with adjustable wind-speed set points.



ESF Series – Conduit Mounted Level Sensor
12VAC 0.5 Amp Conduit mounted electronic water level sensor automatically monitors quick fill and safe-off functions. Low voltage for safety. Connects to 'ECL' control panel.



Drains + Inlets

Sleeves for drains and inlet lines are available to meet a wide range of application type. Choose from a selection of drains:

- Overflow
- Floor
- Wall
- Suction

Some are combination overflow and pool drains and appropriate for non-corrosive fabricated basins and concrete pools. Some of our most popular Drains and Inlets are:



DOW Series – Overflow Drain
Heavy-duty, wall mounted overflow drain regulates water level.

DPB Series – Outlet Drain
Outlet drain for draining pools has slip connection for easy removal.

DSA Series – Suction Drain
Pump suction drain for concrete pools. Low profile and anti-vortex plate prevents air entrainment. Optional DSA-F series comes with foot friendly flat grate and is perfect for interactive water features.



DTS Series – Threaded Sleeve Fitting
Threaded sleeve fitting facilitates watertight penetrations through concrete slabs for supply and drain lines.

IEB Series – Inlet Fitting
A directionally adjustable eyeball filter return for pool recirculation with flow regulator.



Accessories

DOA Series – Overflow Drain
Combination overflow and pool drain.



DOL Series – Overflow Drain
Light duty, wall mounted overflow drain regulates water level.



The photographs shown in this catalog are for illustrative purposes only. As such, some of the photographs may not contain Crystal Fountains components.

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