

### A WATER PLAYGROUND EQUIPMENT SUBMITTAL

FOR APPROVAL –PLEASE SIGN AND RETURN WITH COMPLETED COLOR SHEETS, INCLUDING YOUR CONSTRUCTION SCHEDULE, TO GIVE APPROVAL FOR PRODUCTION.

City of Colusa Colusa , CA

W23921 03/03/2022 UNLESS OTHERWISE NOTED, FUNFORMS AND CUSTOM FEATURES WILL BE PAINTED AS SHOWN IN THIS SUBMITTAL.

THIS FORM MUST BE COMPLETED AND RETURNED IN ORDER TO RELEASE FOR PRODUCTION.

<ul><li>Embed (Inslab) Items Released</li><li>Balance (Features) Released</li></ul>	Requested Delivery DateRequested Delivery Date
Construction Schedule Notes:	
Print/Type	
Signature	Date

### **Prepared By:**

Anna Cox
Sales Coordinator,
Fountain People | Water Odyssey
4600 Hwy 123
San Marcos, TX 78666

Main: 512.392.1155





Creating Unique Aquatic Play Destinations!

Color Selection and Paint Approval/Submittal

W23921 City of Colusa Calusa California



A PLAYCORE Company

## City of Colusa Improvements PROJECT SERVICES/EQUIPMENT LIST

Model Number	Product Name	Product Description	Quantity
F2112	Fun Forms™ Deion Duck Aqua Sprayer	A fun duck themed sprayer	1
F2118	Fun Forms™ Earl's Tractor Aqua Sprayer	Fun Forms Aqua Sprayers™ are perfect for any aquatic play setting. Designed to complete any theme, these sprayers appeal to ages 3 and up. Aqua Sprayers offer a variety of water effects such as misters, fans, and streams.	1
F3005	Fun Forms™ Lindsey Ladybug Aqua Spout	This Aqua Spout emits two gentle arching streams of water and is ideal for ages 2-5.	1
W034C	Spray Way™	The Spray Way™ arch creates a cooling cloud of mist that kids love to move through.	2

W103	Fill N' Spill™	The Fill N' Spill™ is a classic "dump bucket" component with a 2.3 GPD (gallons per dump) rating per bucket.	1
W280	Popp Dropp™	The Popp Dropp™ creates a short spurt of water that is particularly intriguing to toddlers. The DSC Controller controls the length of the stream.	2
W009	Touch & Go™ Bollard	The Touch N' Go™ Activator is ideal for a interactive play experience. Our activation bollard is durable, reliable, low voltage & available in all standard colors.	1

Model Number	Product Name	Product Description	Quantity
W200	Plain Drain™ with 4" Slip Connection	Standard drain for 50 GPM, formed polyethylene sump, heavy duty FRP grate with skid resistant surface, strainer basket, 4" slip connection, stainless steel quick release clips. Meets ADA guidelines.  a standard plain drain with the side outlet and the other a custom plain drain with the drain outlet on the bottom of the drain	2
DSC-8-8- A	Dynamic Sequencing Controller	UL-Listed Controller with 1 module for 8 hard-wired inputs, 1 module for 8 wired 24VAC outputs, Factory Mounted and Prewired to manifold assembly (sold separately).	1
05-0507	05-0507	1.5" PRV15LV; 80GPM typical; Cast Bronze Pressure Reducing Valve, 25- 75PSI output range; 36 Series 1- 1/2"FPT Union x 1-1/2"FPT Series 36-107-01 factory set at 50PSI	1

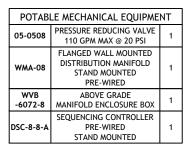
WVB- 6272-8	Above Grade Utility Cabinet	Above Grade 1/8" Aluminum 3R Utility / Valve Box, 60"" x 72" x 24" with 2" Base Mounting Flange, Overlapping Doors, 3/4 Stainless Steel Handle with Padlock Hasp, Corbin #2 Lock, and Screened Louvers.	1
DM- 04000-08- BR-FM	4" Manifold 8 Ports Bronze Valves Floor Mount	4" Stainless Steel Manifold with 8 Ports, Bronze Valves (Sizes 1-2" varies per plan) Stainless Steel Floor Mount Stand. pressure gage, water hammer arrestor, hose bib	1

### **SEQUENCE PROGRAMMING**

Sequence programming will be prewritten and tested at the factory by Water Odyssey™ based on information provided by the architect, specifier or owner with approved submittals. If there are not specific requirements provided regarding the sequence program, then a random programming approach will be used. Revisions to the programming will be billed at an additional expense over and above the cost of the project services list if programming assistance is requested after shipment.

ITEM	FEATURE DESCRIPTION	QTY
F2112	DEION DUCK AQUA SPRAYER 13 GPM @ 3 PSI	1
F2118	EARL'S TRACTOR AQUA SPRAYER 50 GPM @ 6 PSI	1
F3005	LINDSEY LADYBUG AQUA SPOUT 3 GPM @ 3 PSI	1
W034C	SPRAY WAY 6(12) GPM @ 20 PSI	2
W103	FILL N' SPILL 5-15 GPM @ 6 PSI	1
W280	POPP DROPP 4' HIGH 3(6) GPM @ 7 PSI	2
W009	TOUCH N' GO HARD-WIRED	1
W200	PLAIN DRAIN 50 GPM FLOW RATE EA	2

**TOTAL GPM 99** 



WMA-08

FLANGED WALL MOUNTED DISTRIBUTION MANIFOLD

STAND MOUNTED

105 03

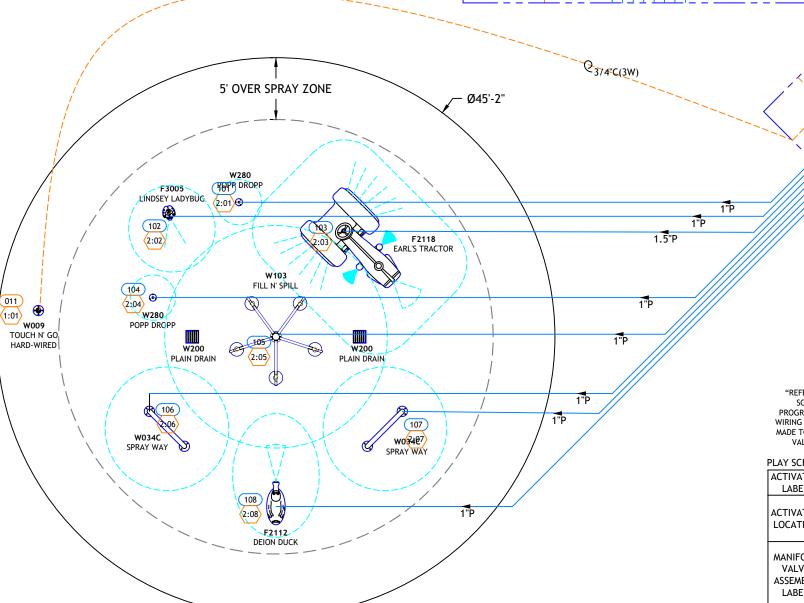
(108)

104 106

101

102

- 1. THIS DRAWING IS SCHEMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC.
- 2. CHECK LOCAL CODES FOR PIPING REQUIREMENTS. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING.
- 3. REFER TO THE INSTALLATION DRAWING OF EACH PLAY FEATURE AND EQUIPMENT VAULT OR UTILITY BOX FOR SPECIFIC INSTALLATION DETAILS. 4. PIPING, CONDUIT, AND WIRE ARE BY INSTALLER.
- 5. ANY REQUIRED BACKFLOW DEVICE OR WATER METER ON THE CITY
- WATER MAIN SHALL BE PROVIDED BY INSTALLER.
- 6. PIPE SIZES ASSUME 100' MAXIMUM RUNS. LONGER RUNS MUST BE EVALUATED BY WATER ODYSSEY. CONTRACTOR RESPONSIBLE FOR VERIFICATION OF PIPE SIZE BETWEEN DISCHARGE MANIFOLD AND FEATURES. VELOCITY NOT TO EXCEED 8FT/SECOND.
- 7. A MAXIMUM OF 50 PSI @ PROVIDED MANIFOLD.
- 8. SYMBOL "\*" INDICATES THAT THE TEE MUST BE PLACED IN THE CENTER OF THE PIPING RUN TO ENSURE BALANCED FLOW.
- 9. WET DECK AREA MUST BE POURED AND FORMED SO THAT WATER SHED AREA SLOPES TOWARD DRAINS.
- 10. ALL PIPING TO FEATURES ARE RECOMMENDED TO HAVE 1%-2% SLOPE FOR WINTERIZATION.



POWER SUPPLY

120V,1Ø,60HZ

16 AMPS

BY OTHERS

LOCATION AND ORIENTATION OF EQUIPMENT ROOM AND EQUIPMENT BY OTHERS. SEE NOTE #6.

21

21

10

COLUSA

DIAGRAM

CITY OF PIPING

PLAN/JH

PIPE/RC

SALES/LW

Table 1 of 1 of 1 of 1 of 1 of 1 of 10 of

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PD Box 807 - 392-1154 - w

A lnc. ~ (512) 3

W23921

DWG NO

A PACORE

LOCATION OF COMPONENTS INSIDE **ENCLOSURE MAY DIFFER FROM THIS** LAYOUT.

	ACT	IVATOR CONTROL SCHEDUL	.E
INPUT CHANNEL	#	FEATURE	$\supset <$
1:01	011	W009 TOUCH N' GO HARD-WIRED	$\times$

"REFER TO ELECTRICAL SCHEMATICS AND PROGRAMMING SHEET FOR WIRING CONNECTIONS TO BE MADE TO TAGGED SOLENOID VALVE ASSEMBLIES"

### DI AV CCENTABIO ZONEC

PLAY SCENARIO ZONES		
ACTIVATOR LABEL	011	
ACTIVATOR LOCATION	W009 TOUCH N' GO HARD-WIRED	
MANIFOLD VALVE ASSEMBLY LABEL	101 THRU 108	
DDOCDAMA	IOT SDECIEIED	

PROGRAM	NUI	SPECIFIED

	FE,	ATURE CONTROL SCHEDULE		
OUTPUT CHANNEL	VALVE	FEATURE	GPM	PIPE SIZE
2:01	101	W280 POPP DROPP	3	1"
2:02	102	F3005 LINDSEY LADYBUG	3	1"
2:03	103	<b>F2118</b> EARL'S TRACTOR	50	1.5'
2:04	104	W280 POPP DROPP	3	1"
2:05	105	W103 FILL N' SPILL	15	1"
2:06	106	W034C SPRAY WAY	6	1"
2:07	107	W034C SPRAY WAY	6	1"
2:08	108	F2112 DEION DUCK	13	1"

1,600 SQ FT



1. THIS DRAWING IS DIAGRAMMATIC IN NATURE. LOCATIONS RECOMMENDED FOR PLAY COMPONENTS AND DRAINS ARE APPROXIMATE. PIPING AND CONDUIT RUNS ARE SCHEMATIC. JOB CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING. 2. WET DECK AREA MUST BE POURED AND FORMED SO THAT WATER SHED AREA SLOPES TOWARD DRAINS.

ITEM	FEATURE DESCRIPTION	QTY
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F2118	EARL'S TRACTOR AQUA SPRAYER 50 GPM @ 6 PSI	1
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W034C	SPRAY WAY 6(12) GPM @ 20 PSI	2
W103	FILL N' SPILL 5-15 GPM @ 6 PSI	1
W280	POPP DROPP 4' HIGH 3(6) GPM @ 7 PSI	2
W009	TOUCH N' GO HARD-WIRED	1
W200	PLAIN DRAIN 50 GPM FLOW RATE EA	2

POTABLE MECHANICAL EQUIPMEN		
05-0508	PRESSURE REDUCING VALVE 110 GPM MAX @ 20 PSI	
WMA-08	FLANGED WALL MOUNTED DISTRIBUTION MANIFOLD STAND MOUNTED PRE-WIRED	
WVB -6072-8	ABOVE GRADE MANIFOLD ENCLOSURE BOX	
DSC-8-8-A	SEQUENCING CONTROLLER PRE-WIRED STAND MOUNTED	

**TOTAL GPM 99** 

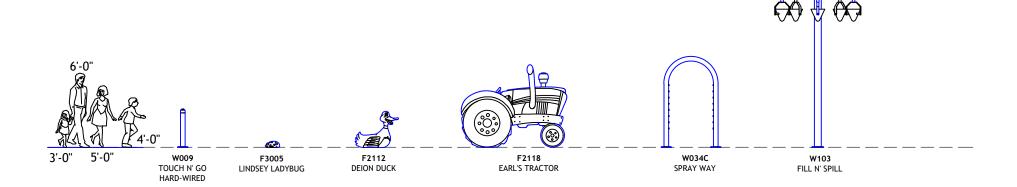
 THIS DRAWING IS DIAGRAMMATIC IN NATURE.

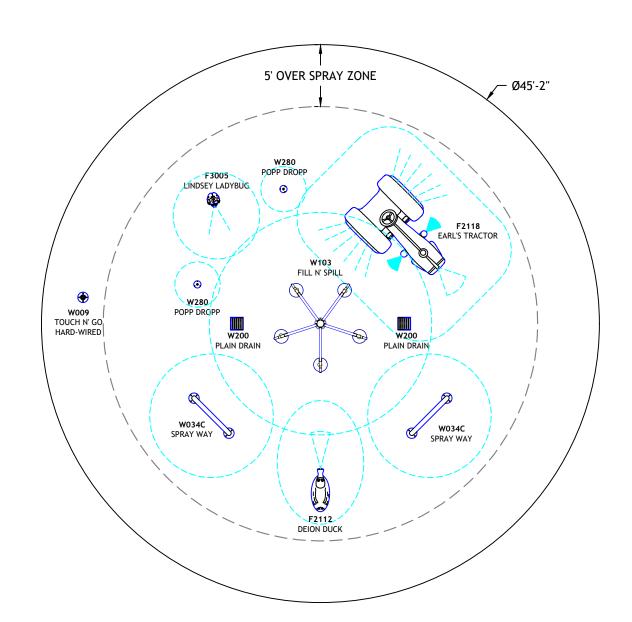
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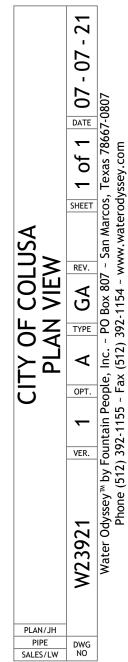
1,600 SQ FT



### **ABOVE GRADE FEATURES ELEVATIONS**









## COLORS & THEMING GUIDE VIBRANT UV & CHLORINE RESISTANT COLORS



### AQUA ARMOR™

- The Toughest Coating in the Industry!
- Vandal-Resistant!!
- Bright Long-lasting Color!!!

Water Odyssey's Aqua Armor™ is the best and most durable coating system available in the industry today. It is applied in a four-step carefully controlled process that ensures a durable, fade-resistant finish that is far superior to polyester powder coat systems. Unlike powder coating, Aqua Armor is field repairable to factory standards and comes with a 2-year warranty on the finish. Aqua Armor is finished in the following colors below.



### STANDARD COLORS



### **METALLIC COLORS**

Metallic colors create a shimmer of color in the sun. Now, you can have the metallic look a metal surface without sacrificing the protection of Aqua Armor $^{\text{TM}}$ .



**Note:** Certain color combinations are not available. Metallic colors are not available on theme pieces.

### THEME-PAINTING

Water Odyssey offers theme-painting to further help you create a unique aquatic play experience. Theme-painting includes adding animals, creatures, logos, icons, mascots, etc. and paint matching for color systems such as Pantone® and RAL®.

Whether a standard product or custom creation, Water Odyssey is able to develop "the look" for your specific project needs.

Contact your local Water Odyssey representative for more information on custom theme-painting for your next unique aquatic play experience.



Note: Non-standard requests may be subject to a surcharge.

### FUN FORMS AQUA SPRAYERS™

HAND-CARVED CREATIONS WITH COOL SPRAY EFFECTS





### **DEION DUCK**

#### **ACTIVITY**

Basking under the sun, this colorful Aqua Sprayer emits a fan of arching water from its beak.

#### **MODEL: F2112**



13 GPM/49 LPM

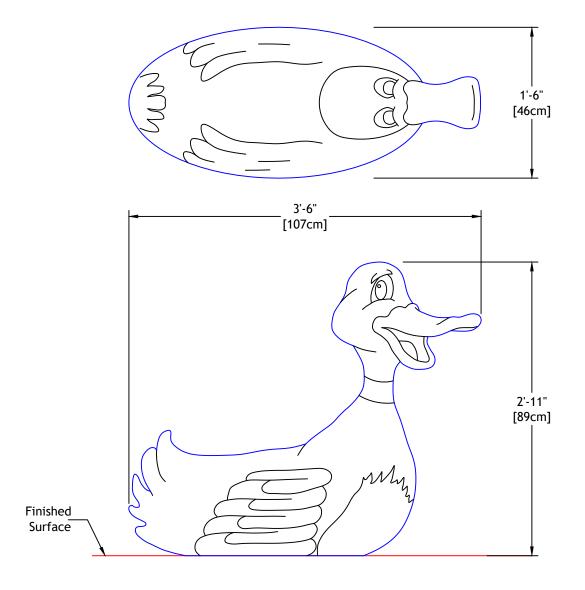


3'-6"/1'-6"/2'-11" 107/46/89 CM

#### **FEATURES & BENEFITS**

- Can enhance your facilities theme
- Coated with Aqua Armor the most durable Chlorine, UV and vandal resistant coating in the industry
- Interchangeable with other spray features
- ADA and ASTM compliant

CREATING COMPELLING AQUATIC PLAY EXPERIENCES



Model Number: F2112

Construction: Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell).

Anchors: Epoxy Anchors, 1/2"-13, 316 SS.

(Supplied).

Fasteners: 1/2"-13 Tamper-resistant 18/8 stainless

steel. (Supplied).

Space Washers: As required; must be non-ferrous.

(By Installer).

Supply Line: 1.5" with Sch 80 PVC or Brass coupling

connection. (By Installer).

Hydraulic Requirements: 13 GPM

(49 LPM) at 3 psi (.21 bar).

#### Note:

Refer to "Installation Detail" for additional installation procedure.







### **EARL'S TRACTOR**

#### **ACTIVITY**

Fun Forms Aqua Sprayers™ are perfect for any aquatic play setting. Designed to complete any theme, these sprayers appeal to ages 3 and up. Aqua Sprayers offer a variety of water effects such as misters, fans, and streams.

### **MODEL: 2118**



50 GPM/ 189 LPM

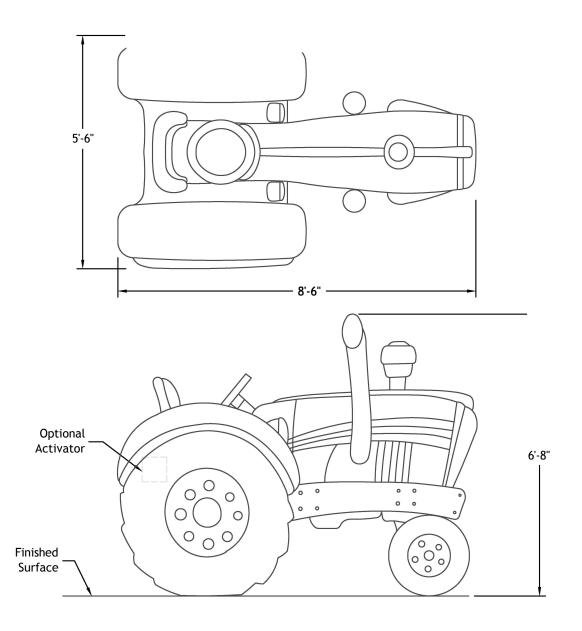


Height: 6' 8" h / 8' 6" w

#### **FEATURES & BENEFITS**

Combinations of effects add play value to these unique spray features. There are over seventy brightly themed, hand detailed Aqua Sprayers to choose from.

CREATING COMPELLING AQUATIC PLAY EXPERIENCES



Model Number: F2118

**Construction:** Hard foam core with Aqua Armor™ (structural elastomeric polymer

outer shell).

Anchors: Epoxy Anchors, 1/2"-13, 316 SS.

(Supplied).

Fasteners: 1/2"-13 Tamper-resistant 18/8

stainless steel. (Supplied).

Space Washers: As required; must be

non-ferrous. (By Installer).

**Supply Line:** 1.5" with Sch 80 PVC or Brass coupling connection. (By Installer). Hydraulic Requirements: 50 6 PM (189 LPM) a t i:isi (.41 ear).

#### Note:

Refer to "Installation Detail" for additional installation procedure.



### Earl's Tractor Aqua Sprayer Fun Forms™ Aqua Sprayer

### FUN FORMS AQUA SPOUTS™







### LINDSEY LADYBUG

#### **ACTIVITY**

This Aqua Spout emits two gentle arching streams of water and is ideal for ages 2-5.

### **MODEL: F3005**



3 GPM/11 LPM

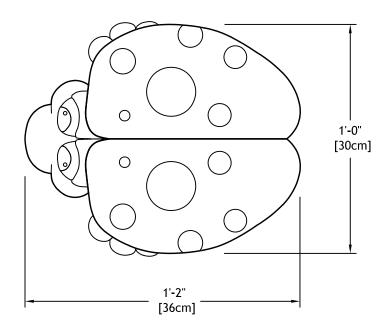


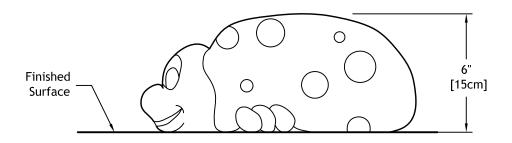
1'-2"/1'-0"/6" 36/30/15 CM

### **FEATURES & BENEFITS**

- Can enhance your facilities theme
- Coated with Aqua Armor the most durable Chlorine, UV and vandal resistant coating in the industry
- Interchangeable with other spray features
- ADA and ASTM compliant

CREATING COMPELLING AQUATIC PLAY EXPERIENCES





Model Number: F3005

**Construction:** Hard foam core with Aqua Armor™ (structural elastomeric polymer outer shell) and

non-slip textured finish.

**Anchors:** Epoxy Anchors, 1/4"-20, Brass (Supplied). **Fasteners:** 1/4"-20 Tamper-resistant 18/8 stainless

steel (Supplied).

**Space Washers:** As required; must be non-ferrous.

(By Installer).

Supply Line: 1" with Sch 80 PVC or Brass coupling

connection. (By Installer).

Hydraulic Requirements: 3 GPM (11 LPM) at 3 psi

(.21 bar).

#### Note:

Refer to "Installation Detail" for additional installation procedure.



# Lindsey Ladybug Fun Forms™ Aqua Spout

## **ESSENTIALS**TIMELESS SOLUTIONS FOR AQUATIC PLAY





### SPRAY WAY

#### **ACTIVITY**

The Spray Way<sup>™</sup> arch creates a cooling cloud of mist that kids love to move through.

### MODEL: W034



12 GPM/45 LPM



W034C 6 GPM/23 LPM



Height: 7'-4"/224 CM

### FEATURES & BENEFITS

- Durable brass nozzles
- Low profile rounded flanges are easy on the feet and reduce toe-stubbing
- Coated with Aqua Armor the most durable Chlorine, UV and vandal resistant coating in the industry
- Interchangeable with other spray features
- ADA and ASTM compliant

Model Number: W034

Interactive Water Effect: Shall be a mist effect within the boundaries of the arch.

Shaft: 4" type 304 stainless steel pipe with full radius

bend and machined type 304 base plate.

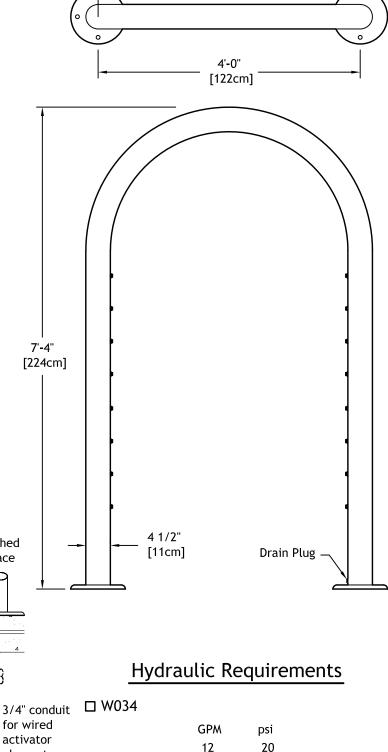
Anchor Base: Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, \%" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.

Closed End Base: Supplied with 2 stainless steel concrete anchors, 18/8 stainless steel tamper-resistant screws, and a threaded drain plug.

Gasket: 70 durometer EPDM o-ring.

Fasteners: Tamper-resistant 18/8 stainless steel. Finish: Textured elastomeric urethane with a UV and chlorine resistant sealer coat.

Nozzles: 16 machined brass mist jets for standard version; 8 machined brass mist jets for water conserving version.



Water Inlet

### #5 Rebar 12' Finished Note: Anchor base O.C. ea way. surface must be completely encapsulated in concrete (min. 3000 psi). 1'-0' 1'-6' 2'-4" for wired activator elements Concrete Pier Ø1'-6" Ø4'-0" (THICKENED SLAB)

**Anchor Base** 

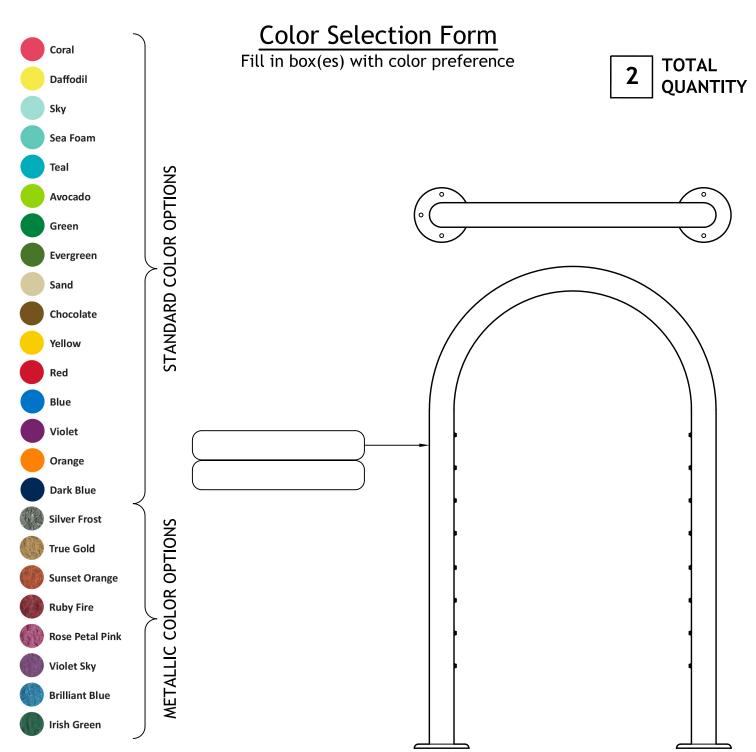
□ \*W034C - Water Conserving Version \*CGPM \*Cpsi

6

20



Spray Way™



NOTE: Theme painting is not available with Metallic Paint.

Do not mix Metallics and Standard Colors on one feature.

If color is non-standard or customer specified, it must be submitted and approved.

Non-standard requests may be subject to cost increase.

Colors are subject to variation.



## **ESSENTIALS**TIMELESS SOLUTIONS FOR AQUATIC PLAY





### FILL N' SPILL

#### **ACTIVITY**

The Fill N' Spill™ is a classic "dump bucket" component with a 2.3 GPD (gallons per dump) rating per bucket. Available with five or three arms - add suffix -3 to catalog number for three arm Fill N' Spill.

### MODEL: W103



5-15 GPM/19-57 LPM



Height: 12'-4"/376 CM

### **FEATURES & BENEFITS**

- Low profile rounded flanges are easy on the feet and reduce toe-stubbing
- Coated with Aqua Armor the most durable Chlorine, UV and vandal resistant coating in the industry
- Interchangeable with other spray features
- ADA and ASTM compliant

Model Number: W103

Interactive Water Effect: Shall be a dump bucket

effect regulated by volume of flow.

Shaft: Straight 6" type 304 stainless steel pipe with

machined type 304 base plate.

Arms: 2" type 304 stainless steel pipe. Yokes: Type 304 stainless steel.

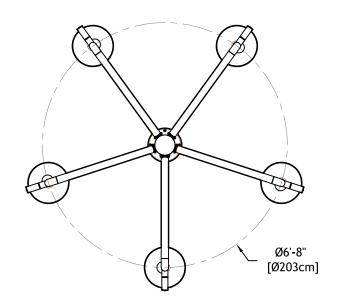
**Buckets:** Heavy-duty FRP (fiber reinforced polyester). **Anchor Base:** Type 304 stainless steel machined to mate with shaft base plate with grounding connection and 2" FPT inlet. Supplied with 4, ¾" x 12" x 2" anchor bolts with two leveling nuts and washers per bolt and wood pour template.

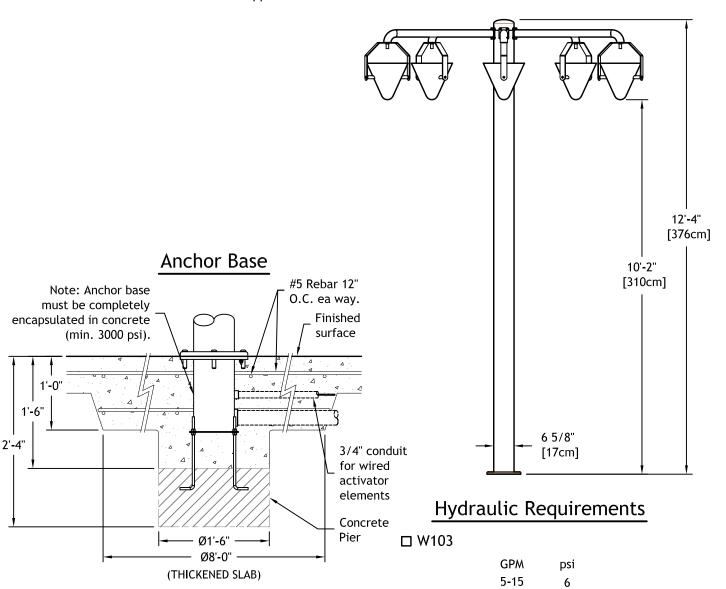
**Gasket:** 70 durometer EPDM o-ring.

**Fasteners:** Tamper-resistant 18/8 stainless steel. **Finish:** Textured elastomeric urethane with a UV and

chlorine resistant sealer coat.

Nozzles: 5 stainless steel flow control nipples.

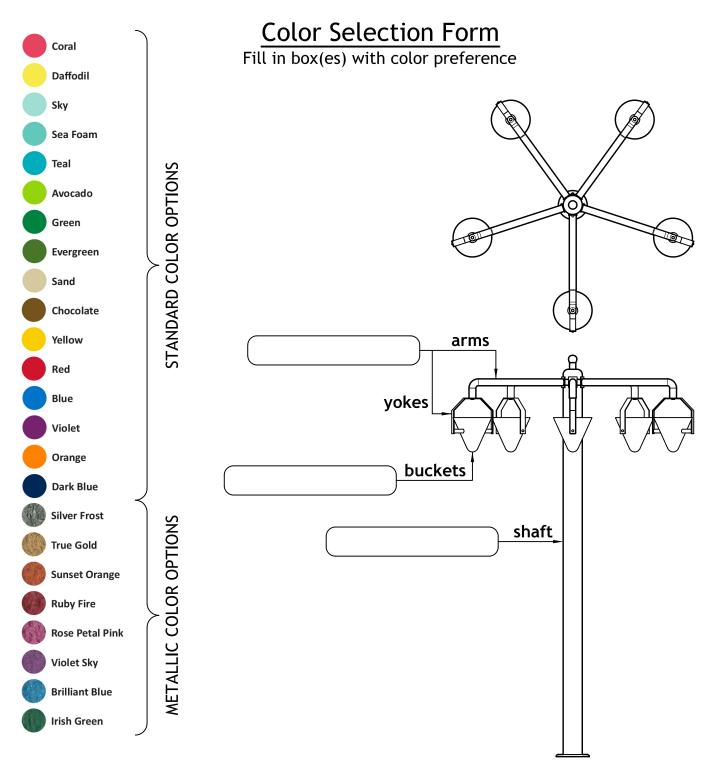






Fill N' Spill™

Project Number:	Approved By:
Project Name:	Date:



NOTE: Theme painting is not available with Metallic Paint.

Do not mix Metallics and Standard Colors on one feature.

If color is non-standard or customer specified, it must be submitted and approved. Non-standard requests may be subject to cost increase.

Colors are subject to variation.



## W103 Fill N Spill™

## **ESSENTIALS**STIMULATING THE SENSES WITH WATER SHAPES





### POPP DROPP

#### **ACTIVITY**

The Popp Dropp™ creates a short spurt of water that is particularly intriguing to toddlers. The DSC Controller controls the length of the stream.

### **MODEL: W280**



3 GPM/11 LPM



Heights: 4'-0"

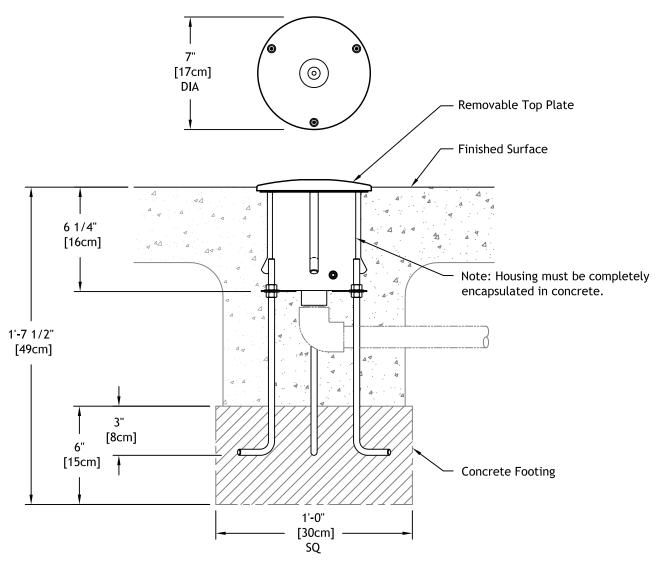
8'-0"

12'-0"

### FEATURES & BENEFITS

- Brass construction with stainless steel hardware
- Mounts flush to the surface
- Coated with Aqua Armor the most durable Chlorine, UV and vandal resistant coating in the industry
- Interchangeable with other spray features
- ADA and ASTM compliant

CREATING COMPELLING AQUATIC PLAY EXPERIENCES



Model Number: W280

Interactive Water Effect: Shall be a vertical aerated

stream of water.

**Housing:** 20 gauge deep-drawn type 304 stainless steel with grounding connection and 1" FPT inlet. Supplied with 4, 3/8" x 12" x 2" anchor bolts with two leveling nuts and

washers per bolt and wood pour template. **Gaskets:** 70 durometer EPDM o-ring.

 $\begin{tabular}{ll} \textbf{Construction Cover:} & \textbf{Reusable 7" diameter HDPE (high)} \\ \end{tabular}$ 

density polyethylene).

**Top Plate:** 7" diameter slightly domed cast bronze with interchangeable nozzle assembly and UV stabilized, textured elastomeric urethane coating with a UV and chlorine resistant sealer coat.

Top Plate Anchors: Three  $\frac{1}{2}$ " x 5" machined brass with 30°

hook bend.

Fasteners: Tamper-resistant 18/8 stainless steel.

Nozzle: Precision machined brass.

### **Hydraulic Requirements**

### □ W280

Height	GPM	psi
4'	3	7
8'	5	9
12'	6	11



Project Name:	Date:
Coral Daffodil Sky	Color Selection Form Fill in box(es) with color preference  2 TOTAL QUANTITY
Sea Foam Teal	S ≥
Avocado	OITAC
Evergreen	STANDARD COLOR OPTIONS  Off  Off  Off  Off  Off  Off  Off
Sand Chocolate	JARD C
Yellow Red	STAND
Blue	
Violet Orange	
Dark Blue	
Silver Frost  True Gold	SNOITIONS
Sunset Orange Ruby Fire	O NO O O
Rose Petal Pink	
Violet Sky  Brilliant Blue	METALLIC COLOR
Irish Green	

Approved By: \_\_\_\_\_

### NOTE:

Project Number:

Theme painting is not available with Metallic Paint.

If color is non-standard or customer specified, it must be submitted and approved. Non-standard requests may be subject to cost increase.



## INTERACTIVE DEVICES™ GETTING KIDS EXCITED WITH INTERACTIVE PLAY





### TOUCH N' GO

### **ACTIVITY**

The Touch N'  $Go^{TM}$  Activator is ideal for a interactive play experience. Our activation bollard is durable, reliable, low voltage & available in all standard colors.

MODEL: W009



• L/W/H: 3'0" /4'5"" /3'0"

CREATING COMPELLING AQUATIC PLAY EXPERIENCES

Model Number: W009

**Shaft:** 4" type 304 stainless steel pipe. **Base Plate:** Type 304 stainless steel.

**Anchors:** (4) stainless steel concrete anchors, supplied. **Finish:** Textured elastomeric urethane with a UV and

chlorine resistant sealer coat.

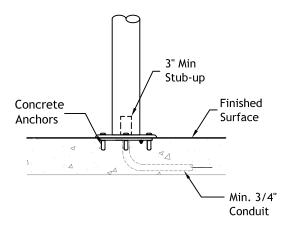
**Fasteners:** Tamper-resistant type 18/8 stainless steel. **Activator Housing:** Machined from solid PVC stock. **Activator Cord:** 150' of 18/3 type SJTOW submersible

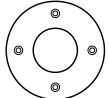
cable pre-wired to activator button, supplied.

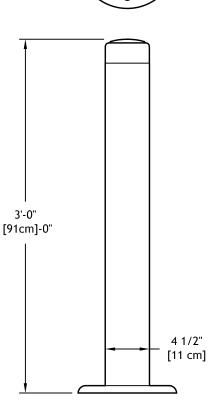
**Hand Print Decal:** 



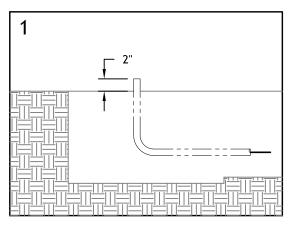
### **Anchor Base**





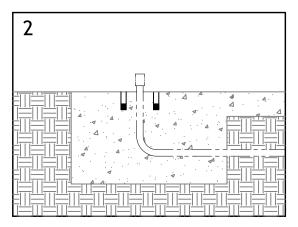






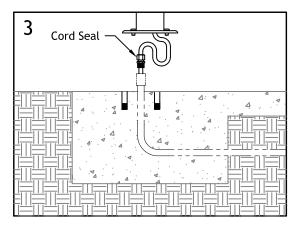
#### STEP TWO:

Trench and stub up 3/4" conduit in location where Wired Touch & Go™ will be located. (2" above finished grade.)



#### **STEP THREE:**

Complete final pour and surfacing. Temporarily set the Touch & Go™ in place. Using the flange as a template, mark the surface for drilling the four anchor holes. Remove the play component from its base and drill four 5/8" holes, 2" deep and install the anchors. Glue 3/4" SxF PVC fitting to conduit.



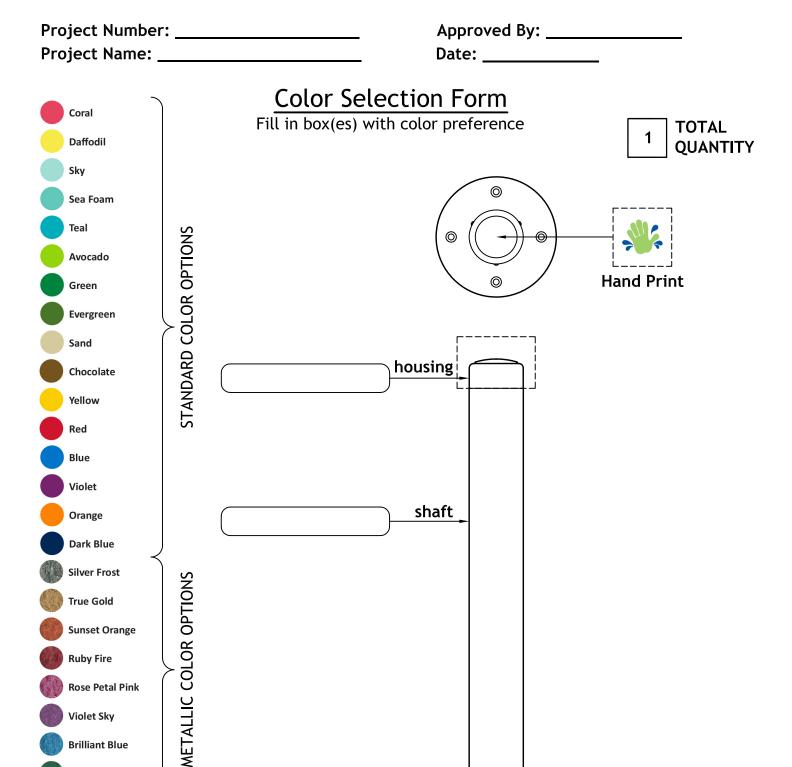
### STEP FOUR:

Pull cable through conduit and install cord seal. Align the play element. Install tamper resistant screws. Tighten screws evenly to ensure a tight seal.



## Touch & Go™

### Hard-Wired Activator Installation Detail



NOTE: Theme painting is not available with Metallic Paint.

Do not mix Metallics and Standard Colors on one feature.

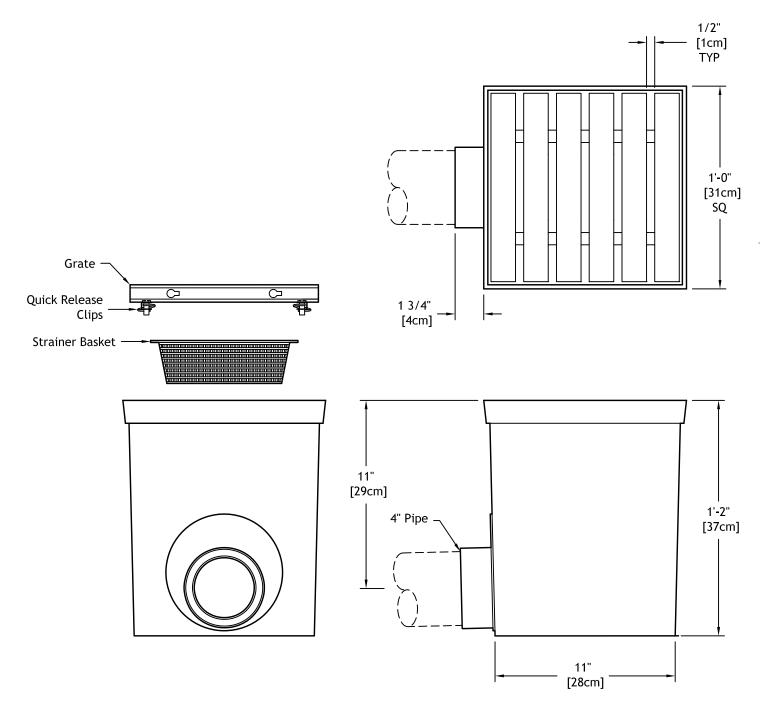
If color is non-standard or customer specified, it must be submitted and approved.

Non-standard requests may be subject to cost increase.

Colors are subject to variation.



Irish Green



Model No: W200 Hydraulic: 50 GPM.

**Sump:** Formed polyethylene.

**Grate:** Heavy-duty FRP grate with skid resistant surface urethane coating. Meets

ADA guidelines.

Strainer Basket: Molded Polyurethane

Outlet: 4" slip connection.

Fasteners: Quick release clips, 18/8

stainless steel.



## Plain Drain™

Project Name: _	Date:
Coral Daffodil Sky Sea Foam Teal Avocado Green Evergreen Sand Chocolate Yellow Red Blue Violet	Color Selection Form Fill in box(es) with color preference  top grate  top grate
Orange  Dark Blue	
Silver Frost  True Gold  Sunset Orange  Ruby Fire	OR OPTIONS
Rose Petal Pink  Violet Sky	ALLIC COLOR

Approved By:

NOTE: Theme painting is not available with Metallic Paint.

Do not mix Metallics and Standard Colors on one feature.

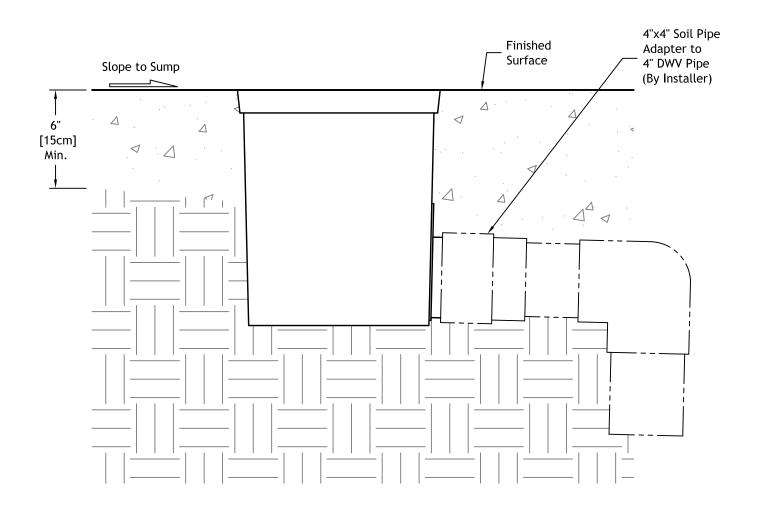
If color is non-standard or customer specified, it must be submitted and approved. Non-standard requests may be subject to cost increase.



**Brilliant Blue** 

Irish Green

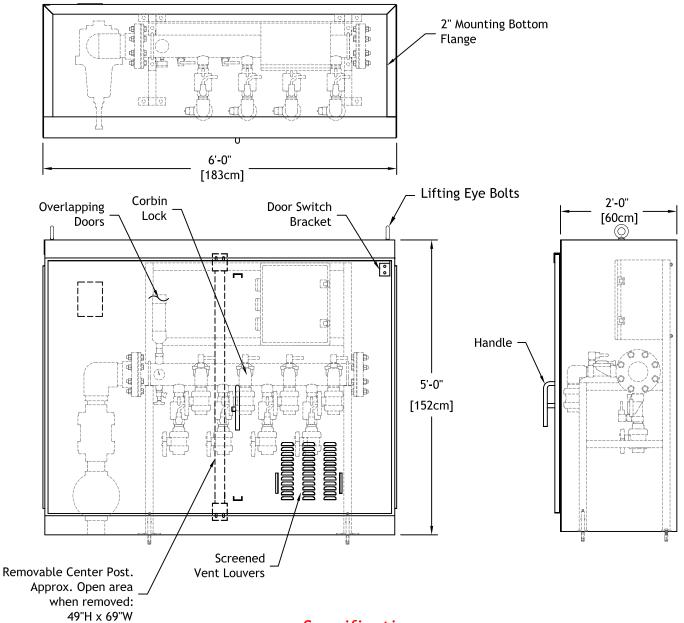
**Project Number:** 



### Note:

All field piping and fittings by Installer

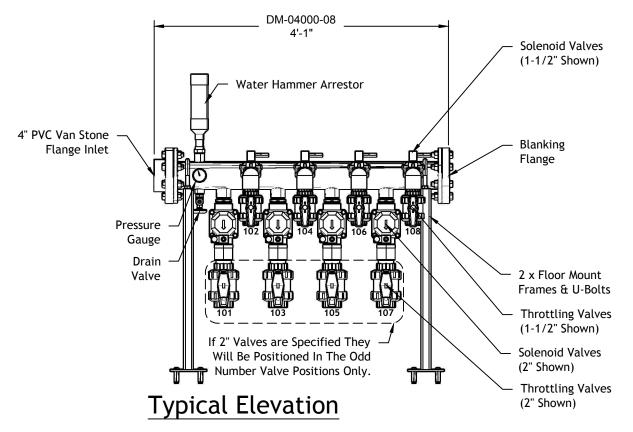




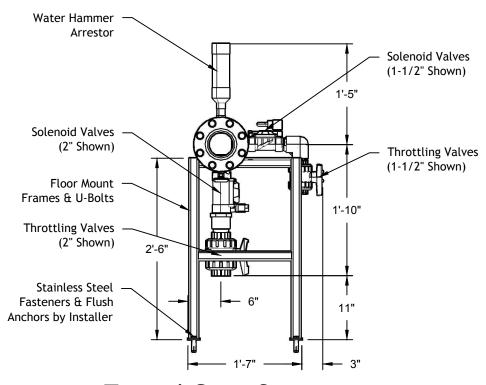
Cabinet Construction:  $\frac{1}{8}$ " aluminum to NEMA 3R standards with 2" mounting flange on bottom.

**Doors:** Overlapping doors with full height stainless steel hinges, neoprene gasket, 3-position door stop assemblies and a removable center post. Right door as 3-point latching,  $\frac{3}{4}$ " stainless steel handle with padlock hasp, corbin #2 lock, screened louvers with a 1"x14"x20" filter and one door switch bracket.





Note: This document is for coordination purposes only. The final number and size of the valves will be specified to the hydraulic design criteria of the water features selected. Any manifold outlets that are not required will be plugged.

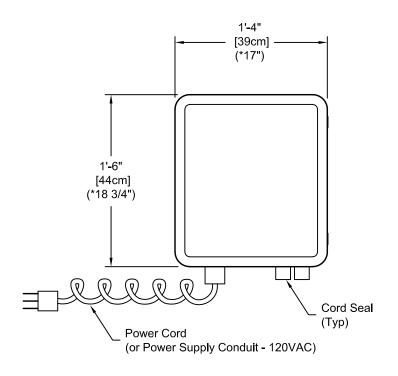


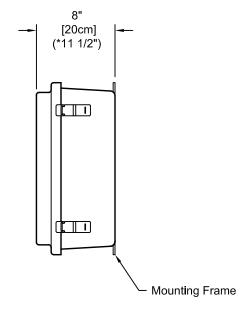




### DM-04000-08-BR-FM

4" Dia. Flanged Distribution Manifold - Floor Mount





Note: Conduit and Wire By Installer

### **Specifications**

Model No: DSC-x-x (See Chart). Housing: NEMA 4X with lockable hasp. Input Voltage: 120VAC/60 Hertz, 20 Amps.

Wired Inputs: See Chart.
Wired Activator Input: 12VDC.

Output Voltage: 24VAC/60 Hertz, .75 Amps continuous per output.

Outputs: See Chart.

**Power Cord:** 6 foot, 16-3 type SJT with grounded plug.

Cord Seals: PVC compression seal fittings with neoprene gland for

16-2 solenoid valve cables.

Time Clock: Integral, electronic, 7 day, 24 hour.

**Interface:** Keypad with 20 keys and a 4 x 20 backlit LCD display. **Programmable Events:** Timed duration, cycled, defined, random,

and cued sequencing, field adjustable.

Programming: Through keyboard; set at factory and field

adjustable.

**Safety:** ETL and Underwriters' Laboratories Listed.

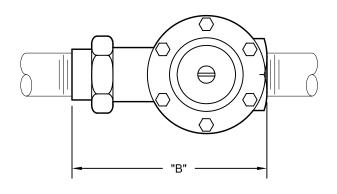
Model Number	Wired Inputs (Max)	Outputs (Max)	
DSC-8-8	8	8	
DSC-8-16	8	16	
*DSC-8-24	8	24	
*DSC-8-32	8	32	
*DSC-16-16	16	16	
*DSC-16-24	16	24	

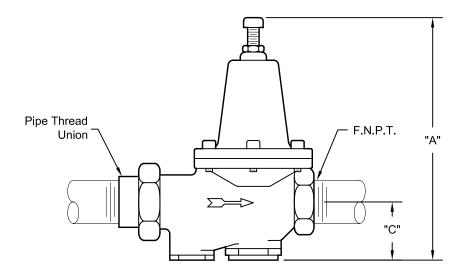
#### Notes:

- 1. Conduit and wire by installer.
- 2. Adding suffix -A to any of the units above will designate it as factory mounted and pre-wired on manifold assembly.
- 3. \* symbol indicates larger enclosure req'd. See dimensions.
- 4. All field wiring to be compliant with NEC and local codes. Field output wire to be stranded copper, minimum rated 60°C.



## Dynamic Sequencing Controller





**Operating Pressure:** Adjustable 25-75 PSI, designed to reduce pressures of up to 300 PSI to

the more manageable range.

Standards Compliance: ASSE 1003, CSA B356 and

IAPMO.

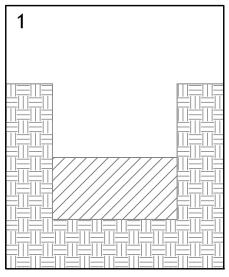
Construction: All bronze body. Temperature Max: 180° F.

	P/N	Nominal Size	"A"	"B"	"C"
	05-0504	3/4"	6.13"	4.63"	1"
	05-0505	1"	6.5"	5.13"	1.13"
•	05-0507	1-1/2"	8.63"	6.63"	1.38"
	05-0508	2"	11.75"	8.44"	1.81"

Note: Field Piping By Installer.

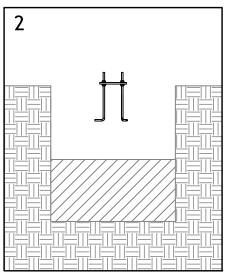


## Pressure Reducing Valve



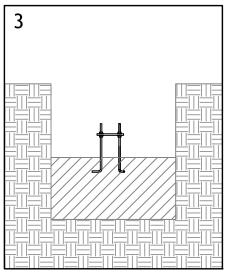
#### STEP ONE:

Excavate footing for anchor base of play element. See product sheet for specified dimensions. Final pour must be minimum 3000 psi concrete.



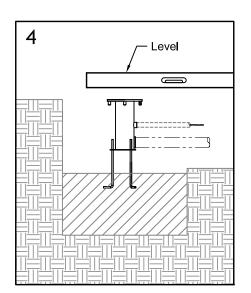
#### STEP TWO:

Pour footing. Before concrete sets, attach pour template to the anchor bolts and proceed to step three.



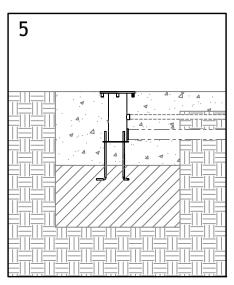
#### STEP THREE:

Set anchor bolts with supplied template. Note: Set the anchor bolts with the proper alignment to achieve the desired orientation of the installed play element.



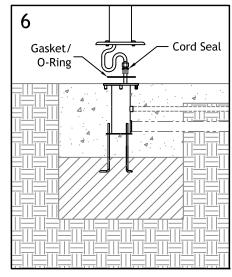
#### STEP FOUR:

After footing has set, remove the template and use the leveling nuts and washers to set anchor base. The top of the anchor base flange should be set at finished grade (allow for surfacing). Use a level to ensure that the anchor base is plumb. Make plumbing and, if applicable, conduit connections.



#### STEP FIVE:

Make sure plastic construction caps are in place. Complete final pour and surfacing. Note: Anchor base must be completely encapsulated in concrete. (min. 3000 psi)

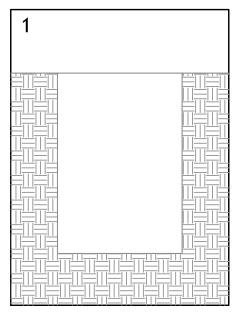


#### STEP SIX:

Remove protective cover and discard. Set the o-ring/gasket in place, and align the play element. If wired, pull cable through conduit and install cord seal. Install tamper resistant screws. Tighten screws evenly to ensure a tight seal.

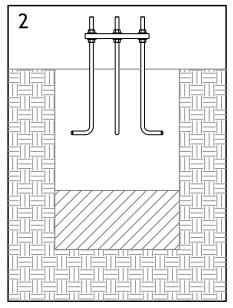


## Above Grade Anchor Base



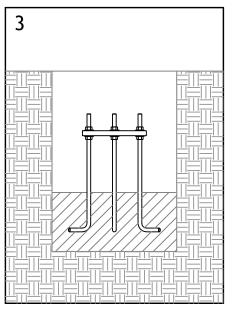
#### STEP ONE:

Excavate for footing. See product sheet for specified dimensions. Final pour must be minimum 3000 psi concrete.



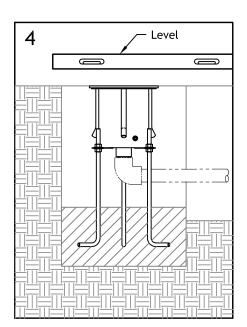
#### STEP TWO:

Pour footing. Before concrete sets, attach pour template to the anchor bolts and proceed to step three.



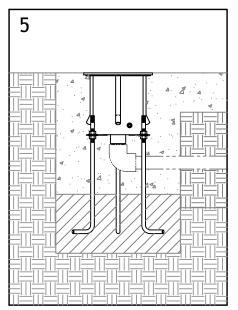
#### STEP THREE:

Set anchor bolts with supplied template.



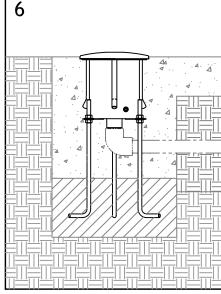
#### STEP FOUR:

After footing has set, remove template and use leveling nuts and washers to set the housing. The top of the pour cover should be set at finished grade (allow for surfacing). Use a level to ensure that the housing is plumbed true. Make plumbing connection.



### STEP FIVE:

Complete final pour and surfacing. Note: Housing must be completely encapsulated in concrete. (min. 3000 psi)



### STEP SIX:

Remove pour cover (can be used later as a temporary service cover). Install the play element top plate using the tamper resistant screws provided. Tighten evenly in a crisscross star pattern to a torque value of 60 in-lbs (5 ft-lbs).



# Grade Level Installation Detail



### Winterization Supplement



## Provisions for winterization are not provided by Fountain People, Inc.™ Supplemental aids should be considered at the time of installation.

- Remove surface level features if applicable, blow out or suck out supply lines to the features. (via the use of a wet/dry shop-vac) IT IS ALWAYS BEST TO GRAVITY DRAIN TOWARD LOWER LEVELS.
   Plug water supply inlets. (inside cans) Drain lines, where applicable, may be left open to permit ice melt drainage back to the reservoir, or to waste. Determination of the drain capability should be made by local authority.
  - o The use of inflatable plugs is not recommended. Mechanical or threaded plugs work best.
  - o If RV type antifreeze is used, although **not recommended**, the system should be thoroughly flushed before re-use after de-winterization occurres. (even RV antifreeze is toxic)
  - Original grade pour templates (shipped on the embed cans) may be retained for use as winterization plates, and store feature in secure location only if the play area is secured and inaccessible when not in use. Pour templates are not safety rated for foot traffic.
  - As an option, Winterization plates made of stainless steel can be purchased to cover surface level feature cans.
  - A 3" square piece of mattress foam, or block of Styrofoam should be placed in all surface level feature cans to absorb expansion should water get into the can during freezing temperatures to prevent the can from cracking the concrete
- 2. Remove plugs from blind sided above ground features to permit continual drainage, and store in a secure location. Features with items that can trap accumulation of water, ie; buckets, coconuts, sails, etc should be removed, covered, or turned upside down and held secure by some exceptable means.
- 3. To drain the manifold if a means for drainage is not provided, energize the solenoid valves by using the Forced I/O signal as described in the DSC O&M Manual.

(Where the system is potable rather than recirculated, some items will not apply)



### Winterization Supplement

- 4. Power should be left **ON** to the main control panel to insure that the Lithium-Ion memory battery remains charged for short term outages but outputs to sequencing valves should be disabled. This is done by opening the power supplied to the outputs via resettable fuse, or fuse block. (see electrical diagram) Reservoir drain should be left in the drain position.
- 5. Turn off, or unplug vent fans in vaults.
- 6. Pumps should be left open (strainer covers removed) with all suction valves closed.
- 7. Power to the reservoir should be left on to permit constant drainage by use of the reservoir drain pump or gravity drain through out the periods of inclement weather.

### Supplemental Notes



A threaded pipe plug or mechanical plug may be used to prevent water from running back into the pipe after having been drained and cleared.



To prevent freeze expansion that could cause the can to swell and damage to concrete or the can to split, install a piece of mattress foam or Styrofoam. A 3" square is the right size for most cans.

### Water Odyssey™

## **Cleaning Procedure**

Unfortunately, staining from hard water deposits is common to all aquatic playground equipment. This is true for both city water operated systems and recirculating systems with water treatment. Lime and calcium deposits can make first class equipment look old and dingy in just a season or two if not removed.

The good news is that Water Odyssey's unique coating system allows for easy cleaning using readily available consumer cleaning products.

Lime and calcium deposits can be easily cleaned when caught early - the longer that they are allowed to build-up, the more difficult they are to remove. In hard water areas, Water Odyssey™ recommends a regimen of two cleanings per season. Generally, at this frequency of cleaning, it will be an easy and quick process. And, your play components will continue to look like new for many seasons.



It is recommended that you wear protective gloves when using cleaning solutions.

First, test a small area to determine how much "elbow grease" will be needed.

Then, spray on cleaner, rub finish with scrubber sponge, then dry with rags or paper towels.

Rinse regularly and hose down area to dilute cleaner.

### **Recommended Cleaning Materials:**

- o Scrubbing Bubbles® for light work.
- o Lime Away®, or CLR® properly diluted, for heavier staining.
- Use only Scotch Brite® or S.O.S.® plastic fiber scrubber sponges or pads.
- o Do not use muriatic or other acid.

























### Warranty Statement

### Warranty

Fountain People shall warrant all properly installed and maintained Water Odyssey™ equipment (excluding consumables) for a period of one year from date of shipment, unless otherwise qualified, below. For systems with a factory start-up, the warranty shall extend for 18 months from date of shipment or one year from date of start-up, whichever comes first. Fountain People, at its option, shall replace or repair any materials, components, or workmanship found to be defective, within the warranty period when returned to the factory, freight prepaid. No equipment or parts may be returned to Fountain People for repair or replacement without a factory issued RMA (Return Material Authorization).

### **Special Provisions**

The following equipment shall be warranted for the terms noted when properly installed and maintained:

**Structural Pipe:** Stainless steel pipe and anchor bases used in the fabrication of Water Odyssey™ play equipment shall be warranted against structural failure for a period of 25 years.

**Finish Coating:** Shall be warranted for a period of 2 years against peeling or fading under normal environmental conditions.

**ColorCast™ Accents:** Shall be warranted for a period of 2 years against fading or cracking under normal environmental conditions.

Nozzles: Brass or stainless steel, 5 Years. PVC nozzles, 2 years.

Polyurethane Components (including Fun Forms™) shall be warranted for a period of 2 Years.

Water Odyssey™ Dynamic Sequencing Control Module 02-6210, Valve Boxes and Fiberglass Components shall be warranted against defects for a period of 3 years. All DSC Controller components, other than the 02-6210 module, are warranted for 1 year.

**UV Disinfection Units Manufactured by ETS/ATG UV** (excluding consumables) shall be warranted for a period of five (5) years after commencement of operation providing that the owner has entered into a service agreement with a factory trained and certified representative to annually (during the warranty period) service the unit as outlined in the Basic Operator's Guide using original manufacturers parts.

#### **Exclusions**

This warranty does not include damage resulting from lightning, vandalism, improper maintenance, operator error, Acts of God, failure to comply with codes of the jurisdiction having authority, or other conditions beyond the control of Fountain People. Nor does this warranty cover labor, freight charges, or incidental materials required to implement repairs. Fountain People shall not be held liable for damage to other equipment or materials, or loss of time, profits, or any inconvenience, directly or indirectly, resulting from the failure of equipment or materials furnished by Fountain People. Fountain People will not accept liability for any costs associated with the removal or replacement of equipment in difficult-to-access locations. These extraordinary costs shall be the responsibility of the customer, regardless of the reason necessitating removal of the product from service. This warranty may exclude damage to metals resulting from chemical control devices that use electrolysis as a means for generating chlorine or other chemicals to treat water. No other warranty, expressed or implied, exists beyond that included in this statement.





### **TERMS & CONDITIONS**

- 1. TERMS AND CONDITIONS which follow shall constitute the entire sales agreement between the parties. Any contrary or additional terms and conditions submitted by the purchaser shall be null and void unless specifically acknowledged in writing by Fountain People (FP) at the time of order acceptance.
- 2. LEAD-TIMES after approval and release: (3-4) Weeks for in-slab (concrete pour) items, (10-12) Weeks for balance of equipment.
- 3. PURCHASE ORDERS must be submitted in writing and be signed by an authorized representative of the purchaser. Purchase orders must be made out to "Fountain People" not to our agent or any other party. All purchase orders must reference a specific "Equipment List" or equipment by catalog number. No purchase order will be accepted which references equipment "per Plans and Specifications".
- 4. ACCEPTANCE OF ORDERS takes place only when the order is acknowledged in writing by FP. FP reserves the right to reject any order.
- 5. PRICES are valid for 90 days from date quoted unless otherwise stated in writing. Prices on accepted purchase orders will be valid for six months from date of order. Orders not released within six months will be billed at price in effect at time of shipment.
- 6. SALES TAX Customer is solely and directly responsible for prompt payment of any and all taxes to the appropriate taxing authority. Fountain People shall not be liable for any of customer's income taxes, franchise tax or similar tax measured by customer gross income or any business and operating licenses, fees and permits imposed upon customer business operations. Fountain People shall not be liable to customer for any employment related tax, fee or charge. Fountain People will collect Sales and Use Taxes in the following states as applicable: Alabama, Arizona, Arkansas, California, Florida, Kansas, North Carolina, Pennsylvania, Tennessee, and Texas.
- 7. TERMS OF PAYMENT may vary depending on the degree of custom fabrication in the purchased equipment and the credit history of the purchaser.
- 8. A service charge of 1.5% per month will be added to all invoices not paid within terms. Delinquent accounts will be subject to credit hold, stop notices, lien filings, or litigation, as necessary.
- 9. RETENTIONS: FP is a material supplier, not a contractor and, as such, will not accept retention of payment in any form. As a corporation, FP is required by law to report income directly to the IRS, are not bound by IRS Code 6109, and should, therefore not receive 1099's, nor should payments be withheld on this premise.
- 10. MATERIAL LIENS: As a vendor, supplier, and material manufacturer, FP does not waive any right to lien or other security interest. Purchaser shall agree to furnish upon request all information required to complete such lien or security interest. Conditional and unconditional waivers shall be furnished to purchaser upon request or when appropriate.
- 11. FREIGHT: All shipments will be made FOB, San Marcos, Texas. Requests by the purchaser for air freight shipment or other special handling will be billed to the purchaser. Freight amount on quote is an estimate. Your invoice will reflect actual freight charge upon billing.
- 12. DELIVERY will be made via common carrier. FP assumes no liability associated with shipping delays resulting from causes beyond its control.
- 13. RETURNS will not be accepted unless accompanied by a Return Material Authorization (RMA). Requests to return material must contain the original invoice number and the reason for return. Returned material will be inspected upon receipt to determine condition. Approved warranty returns will be credited to purchase within 30 days of receipt. Materials returned new and unused will be subject to a minimum 40% restocking charge. No credit will be issued for any modified, custom, or discontinued items. All freight for return items will be at purchaser's expense. No freight collect shipments will be accepted.
- 14. CANCELLATIONS made after orders are released for fabrication and shipment will be subject to a cancellation charge. Custom fabricated items may not be canceled and must be paid in full even if refused.
- 15. In the event of any conflict between the terms and conditions contained herein and any terms and/or conditions contained within the agreement or purchase order, the terms and conditions contained in this attachment shall supersede and prevail.



# Installation Prep

The most comprehensive category, involving the most diverse field.

## Bonding

- NEC 2011: 680.26
  - Also subject to local ordinance.
- All in ground (slab)
   components must be Bonded.
  - To earth ground
  - To each other
  - To the rebar net
  - And to the equipment package (vault or skid)

Local authority will determine the total number of ground rods required.



# Installation Prep

Continued......



NEC specifies the use of #8 solid copper wire for all in slab bonding

Further Code requirements call for devices to be UL listed.





