



Specifications
The Rain Bird performance capability has been fully tested under conditions that are more severe than those normally encountered in the field.

Table with 4 columns: Rain Bird Model, Rain Bird Corporation, Rain Bird International, Inc., and Rain Bird Corporation. Lists various models and their specifications.

RAIN BIRD CORPORATION
3000 S. BIRDAWAY, SUITE 200, RAIN BIRD, UT 84055, USA
Tel: 801-224-1100
Fax: 801-224-1101

3M™ Direct Bury Splice Kit DBR/Y-6

Data Sheet May 2011

Applications
The 3M™ Direct Bury Splice Kit DBR/Y-6 is used to electrically connect two or more pre-terminated copper wires and moisture seal the connection for direct burial.

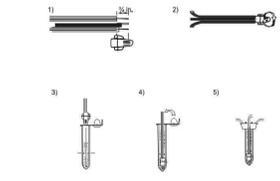
Agency Approvals
CUL US Listed, UL Standard 486D, File No. E102356
Listed for use in wet, damp, direct bury and submersible locations with UF type cable.

Specifications
Maximum Voltage Rating: 600 V
Application Temperature: 32°F to 120°F (0°C to 49°C)
Operating Temperature: -40°F to 221°F (-40°C to 105°C)



3M™ Direct Bury Splice Kit DBR/Y-6

Installation Instructions
Warning
Turn power off before installing or removing connector. All electrical work should be done according to appropriate electrical codes.



1) Strip insulation 1/2".
2) With wire ends even, insert wires into the connector and tighten until secure.

Installation Tip:
If having difficulty getting the helium connector down the tube when using small gauge wires, use a thin non-conductive object to push the connector to the bottom of the tube.

3M™ Direct Bury Splice Kit DBR/Y-6

Combination Chart
This chart shows the compatibility of the splice kit with various wire types and sizes.

Combination Chart table showing wire size, insulation type, and splice kit compatibility.

Shelf Life & Storage
This product has a shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

Important Notice
The product is not to be used in wet or damp locations unless it is protected from moisture by a suitable enclosure.

PVC Thermoplastic Pipe Temperature Pressure De-Rating

To determine the maximum internal pressure rating at an elevated temperature, simply multiply the pipe pressure rating at 73°F by the percentage specified for the desired temperature.

Table showing System Operating Temperature (°C) and corresponding pressure de-rating percentages for PVC pipe.

PVC Basic Physical Properties
Mechanical Properties, TYP
Tensile Strength, psi: 2,100 - 2,300
Modulus of Elasticity, psi: 400,000 - 450,000

PVC Chemical Resistance
PVC is generally inert to most mineral acids, bases, salts and petroleum hydrocarbon solutions.

SPARS® MANUFACTURING COMPANY - CORPORATE OFFICE
1985 Olsen St., Sylmar, CA 91781-PO Box 903, Sylmar, CA 91780

CRELINE PVC PRESSURE PIPE SDR-26 & SDR-21

FORM NO. 1116-116 SPECIFICATIONS
FOR 116" DIA. PVC PRESSURE PIPE
PPFA

Table with columns: SIZE, O.D., WALL THICKNESS, WEIGHT PER FOOT, and other specifications for CRELINE PVC pipe.

Table with columns: SIZE, O.D., WALL THICKNESS, WEIGHT PER FOOT, and other specifications for CRELINE PVC pipe.

CRELINE PLASTIC PIPE CO., INC.
180 Cass Street, Westborough, MA 01581
Tel: 508-852-4475

PPFA PRESSURE RATINGS FOR CRELINE PVC PIPES AT 73.4°F

Table showing Pressure Ratings for CRELINE PVC pipes at 73.4°F.

Table showing Conversion Chart for Pressure Ratings for CRELINE PVC pipes.

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CRELINE PLASTIC PIPE CO., INC.
180 Cass Street, Westborough, MA 01581
Tel: 508-852-4475

SEEWING HDPE PIPE

SEEWING
The PE 100 is used to determine stress relaxation for PE 100. The PE 100 test is conducted in accordance with ASTM D 2839, Standard Test Method for Stress Relaxation to Measure the Resistance to Slow Crack Growth of Polyethylene Pipes and Boreless Tubes.

Special Properties of PE 100
PE 100 pipe with a modulus of PE 100 is used to determine the stress relaxation for PE 100.

Table showing Properties Values for SEEWING HDPE pipe.

SEEWING
1-800-345-ISCO
www.isco-pipe.com

PE 4710 IPS HDPE Pipe Sizes

Table showing PE 4710 IPS HDPE Pipe Sizes with columns for size, weight, and other specifications.

HDPE Pipe
• Items highlighted in blue indicate standard stock items that are available in most areas.

ISCO
1-800-345-ISCO
www.isco-pipe.com

For Health Hazard Applications

Series 009 Reduced Pressure Zone Assemblies
Size: 1/2" - 3" (B - 80mm)



Specifications
A Reduced Pressure Zone Assembly shall be installed at each potential health hazard location to prevent backflow due to siphonage or other backflow.

Now Available: Watchdog™ Reduced Enclosures.
For more information, send for literature ES-016.

Available Models: 1/2" - 2" (B - 50mm)

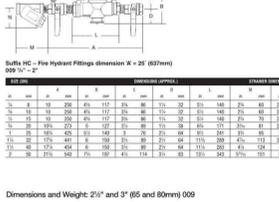
Available Models: 2 1/2" - 3" (B - 80mm)
Material: 2 1/2" - 3" (B - 80mm)
• FSA approved factory coated cast iron body with bronze

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• FSA approved factory coated cast iron body with bronze

Dimensions and Weight: 1/2" - 2" (B - 50mm) 009



Dimensions and Weight: 2 1/2" - 3" (B - 80mm) 009
Watts G-6000 Series
QT - Ball Valves

Dimensions and Weight: 2 1/2" - 3" (B - 80mm) 009
Watts G-6000 Series
QT - Ball Valves

Capacity Performance as established by an independent testing laboratory



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions
440 W. MAIN ST., PANAMA CITY, FL 32360 (850) 436-9661
ENGINEERING BUSINESS: EB0000340

BARRANCAS AVENUE BEAUTIFICATION
PROJECT NO.: 258103.01
DESIGNED BY: DKH
DRAWN BY: THO
CHK'D BY: DKH
PROJ. MGR: DKH
DATE: APRIL 2018

AS-BUILT 1-30-19
THE WALLACE COMPANY
COMPLETE LANDSCAPE SOLUTIONS

MEDIAN 1, 2 & 3 IRRIGATION PLAN
DESIGNED BY: DKH
DRAWN BY: THO
CHK'D BY: DKH
PROJ. MGR: DKH
DATE: APRIL 2018

NO. DATE APPR. REVISION/ACTION TAKEN
1 APRIL 2018 DKH RELEASED FOR PERMITTING

PROJECT NO.: 258103.01
DESIGNED BY: DKH
DRAWN BY: THO
CHK'D BY: DKH
PROJ. MGR: DKH
DATE: APRIL 2018

submittals SUB 2

RAIN BIRD TECH SPECS

Pressure Regulating Filters and Pressure Regulating Filter Control Zone Kits

Fewer Parts, Quicker Install.

The pressure regulating filter (PRF) Pressure Regulating Filter (PRF) combination offers an easy-to-install, one-piece solution for your irrigation system. The PRF is designed to be installed in-line with your mainline pipe. The PRF is made of brass and is available in 1/2" and 3/4" sizes. The PRF is designed to be installed in-line with your mainline pipe. The PRF is made of brass and is available in 1/2" and 3/4" sizes.

Operating Range

- Flow: 0.25 to 1.0 gpm (0.1 to 0.38 lpm)
- Pressure: 20 to 100 psi (1.4 to 6.9 bar)

Models

- Pressure Regulating Filter Control Zone Kit (PRF-CZ)
- Pressure Regulating Filter Control Zone Kit (PRF-CZ)

Pressure Regulating Filter

The PRF is designed to be installed in-line with your mainline pipe. The PRF is made of brass and is available in 1/2" and 3/4" sizes.

PRF Filter Control Zone Kit

The PRF Filter Control Zone Kit is designed to be installed in-line with your mainline pipe. The PRF Filter Control Zone Kit is made of brass and is available in 1/2" and 3/4" sizes.

RAIN BIRD

Pressure Regulating Filter

Operating Range

Flow (GPM)	PRF-1/2-PRF	PRF-3/4-PRF	PRF-1/2-PRF	PRF-3/4-PRF
0.25	0.2	0.2	0.2	0.2
0.5	0.2	0.2	0.2	0.2
1.0	0.2	0.2	0.2	0.2
1.5	0.2	0.2	0.2	0.2
2.0	0.2	0.2	0.2	0.2
2.5	0.2	0.2	0.2	0.2
3.0	0.2	0.2	0.2	0.2
3.5	0.2	0.2	0.2	0.2
4.0	0.2	0.2	0.2	0.2
4.5	0.2	0.2	0.2	0.2
5.0	0.2	0.2	0.2	0.2
5.5	0.2	0.2	0.2	0.2
6.0	0.2	0.2	0.2	0.2
6.5	0.2	0.2	0.2	0.2
7.0	0.2	0.2	0.2	0.2
7.5	0.2	0.2	0.2	0.2
8.0	0.2	0.2	0.2	0.2
8.5	0.2	0.2	0.2	0.2
9.0	0.2	0.2	0.2	0.2
9.5	0.2	0.2	0.2	0.2
10.0	0.2	0.2	0.2	0.2

Models

- Pressure Regulating Filter Control Zone Kit (PRF-CZ)
- Pressure Regulating Filter Control Zone Kit (PRF-CZ)

RAIN BIRD

Pressure Regulating Filter

Operating Range

Flow (GPM)	PRF-1/2-PRF	PRF-3/4-PRF	PRF-1/2-PRF	PRF-3/4-PRF
0.25	0.2	0.2	0.2	0.2
0.5	0.2	0.2	0.2	0.2
1.0	0.2	0.2	0.2	0.2
1.5	0.2	0.2	0.2	0.2
2.0	0.2	0.2	0.2	0.2
2.5	0.2	0.2	0.2	0.2
3.0	0.2	0.2	0.2	0.2
3.5	0.2	0.2	0.2	0.2
4.0	0.2	0.2	0.2	0.2
4.5	0.2	0.2	0.2	0.2
5.0	0.2	0.2	0.2	0.2
5.5	0.2	0.2	0.2	0.2
6.0	0.2	0.2	0.2	0.2
6.5	0.2	0.2	0.2	0.2
7.0	0.2	0.2	0.2	0.2
7.5	0.2	0.2	0.2	0.2
8.0	0.2	0.2	0.2	0.2
8.5	0.2	0.2	0.2	0.2
9.0	0.2	0.2	0.2	0.2
9.5	0.2	0.2	0.2	0.2
10.0	0.2	0.2	0.2	0.2

Models

- Pressure Regulating Filter Control Zone Kit (PRF-CZ)
- Pressure Regulating Filter Control Zone Kit (PRF-CZ)

RAIN BIRD

Pressure Regulating Filter

Operating Range

Flow (GPM)	PRF-1/2-PRF	PRF-3/4-PRF	PRF-1/2-PRF	PRF-3/4-PRF
0.25	0.2	0.2	0.2	0.2
0.5	0.2	0.2	0.2	0.2
1.0	0.2	0.2	0.2	0.2
1.5	0.2	0.2	0.2	0.2
2.0	0.2	0.2	0.2	0.2
2.5	0.2	0.2	0.2	0.2
3.0	0.2	0.2	0.2	0.2
3.5	0.2	0.2	0.2	0.2
4.0	0.2	0.2	0.2	0.2
4.5	0.2	0.2	0.2	0.2
5.0	0.2	0.2	0.2	0.2
5.5	0.2	0.2	0.2	0.2
6.0	0.2	0.2	0.2	0.2
6.5	0.2	0.2	0.2	0.2
7.0	0.2	0.2	0.2	0.2
7.5	0.2	0.2	0.2	0.2
8.0	0.2	0.2	0.2	0.2
8.5	0.2	0.2	0.2	0.2
9.0	0.2	0.2	0.2	0.2
9.5	0.2	0.2	0.2	0.2
10.0	0.2	0.2	0.2	0.2

Models

- Pressure Regulating Filter Control Zone Kit (PRF-CZ)
- Pressure Regulating Filter Control Zone Kit (PRF-CZ)

RAIN BIRD

514T Full Port Gate Valve • Spec Sheet

Operating Range

Flow (GPM)	514T	514T	514T	514T
0.25	0.2	0.2	0.2	0.2
0.5	0.2	0.2	0.2	0.2
1.0	0.2	0.2	0.2	0.2
1.5	0.2	0.2	0.2	0.2
2.0	0.2	0.2	0.2	0.2
2.5	0.2	0.2	0.2	0.2
3.0	0.2	0.2	0.2	0.2
3.5	0.2	0.2	0.2	0.2
4.0	0.2	0.2	0.2	0.2
4.5	0.2	0.2	0.2	0.2
5.0	0.2	0.2	0.2	0.2
5.5	0.2	0.2	0.2	0.2
6.0	0.2	0.2	0.2	0.2
6.5	0.2	0.2	0.2	0.2
7.0	0.2	0.2	0.2	0.2
7.5	0.2	0.2	0.2	0.2
8.0	0.2	0.2	0.2	0.2
8.5	0.2	0.2	0.2	0.2
9.0	0.2	0.2	0.2	0.2
9.5	0.2	0.2	0.2	0.2
10.0	0.2	0.2	0.2	0.2

Models

- Pressure Regulating Filter Control Zone Kit (PRF-CZ)
- Pressure Regulating Filter Control Zone Kit (PRF-CZ)

RAIN BIRD

Rain Bird 100-PEB Valve

Operating Specifications

- Flow: 0.25 to 1.0 gpm (0.1 to 0.38 lpm)
- Pressure: 20 to 100 psi (1.4 to 6.9 bar)

Models

- Pressure Regulating Filter Control Zone Kit (PRF-CZ)
- Pressure Regulating Filter Control Zone Kit (PRF-CZ)

END OF SUBMITTALS

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END OF SUBMITTALS

END OF SUBMITTALS

AS-BUILT
1-30-19

THE WALLACE COMPANY
COMPLETE LANDSCAPE SOLUTIONS

MEDIAN 1, 2 & 3
IRRIGATION PLAN

submittals
SUB 3

BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions

449 W. MAIN ST., PENSACOLA, FL 32502 (850)438-9661
ENGINEERING BUSINESS: EE-000040

Pensacola - Panama City Beach - Miramar - Tallahassee - Mobile

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BARRANCAS AVENUE
BEAUTIFICATION

PROJECT NO:	NO.	DATE	APPR.	REVISION/ACTION TAKEN
258103.01	1	APRIL 2018	DKH	RELEASED FOR PERMITTING
DESIGNED BY:	DKH			
DRAWN BY:	THO			
CHK'D BY:	DKH			
PROJ. MGR:	DKH			
DATE:	APRIL 2018			NOT RELEASED FOR CONSTRUCTION BY _____ DATE _____

