Appendix - Irrigation information from Waterscapes

REFERENCE DRAWING(S): -

- BEL-BHS-ZZ-TP-DR-LA-0106-LEVEL 10.dwg

NOTES: -

1. THIS DRAWING IS TO READ IN CONJUNCTION WITH ALL OTHER DRAWINGS & SPECIFICATIONS ON THIS CONTRACT WORKS PACKAGE

2. ALL DIMENSIONS IN mm (UNLESS OTHERWISE NOTED)

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LEGEND:

25mm PE Pipework

2.3 l/h, 33cm Spaced Pressure Compensating Dripline

Solenoid Valve

Water/Signal Cable Connection Point - Supply pipework and signal cable from irrigation plant room to connection points shown by M&E Contactors.

Services Required

Water Supply - Suitable CAT 5 water supply at the penetration points shown minimum flow required 0.3 litres per second at min. pressure 3.0 bar, regulated to a max. pressure 5.0 bar

Signal Cable : Screened 2 Core 2.5mm LV signal cable from controller location to each connection point by M&E contractors

Rev.	Date	Description	Drn.	Chd.	App.
-	-	-	-	-	-
P02	24.11.22	Issued for stage 4a	PDB	MC	-

Landscape Architect:

Bradley-Hole
Schoenaich Landscape

Irrigation Consultant:

waterscapes Ltd
WATER, PERFORMANCE & IRRIGATION SPECIALISTS

1 Murray Court
Wincanton Business Park
Wincanton
Somerset, BA9 9RX
Tel: 01963 824166 Fax: 01963 824443
Email: info@waterscapeslimited.com

Project Title:

Belgrove House

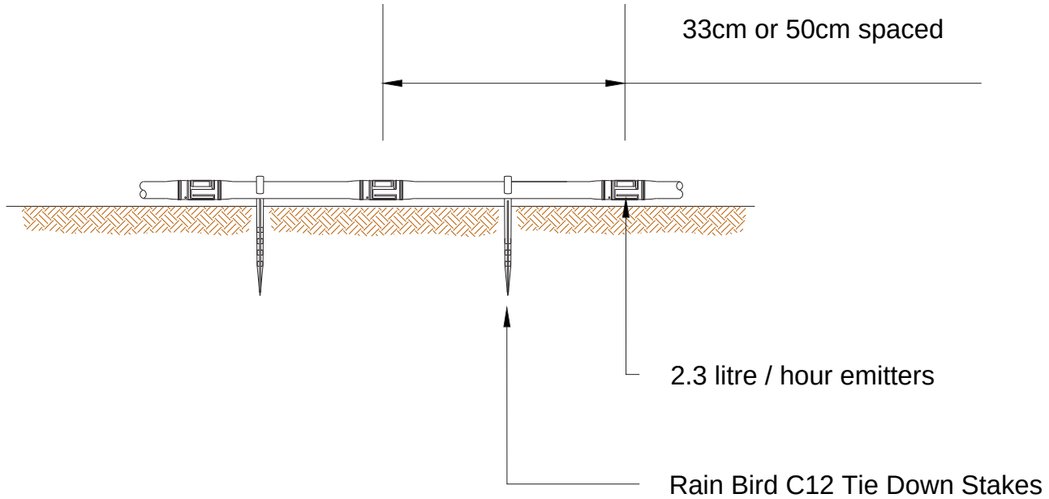
Drawing Title:

Irrigation Layout
Level 10

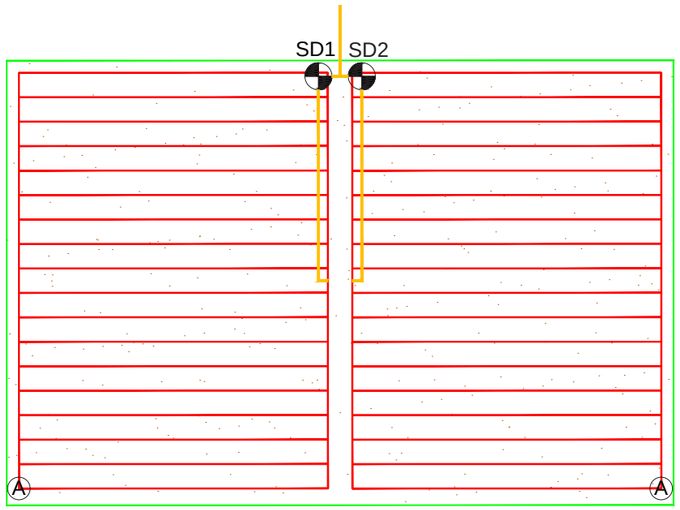
Scale at A1:	Status:	CAD File Name:
1:150	Stage 4a	WSL3209-10
Drawn:	**Checked:**	**Approved:**
PDB	MC	-
Date:	**Date:**	**Date:**
01.11.22	01.11.22	-

Drawing No: WSL3209-10

Revision: P02



Section View - Installed on Soil Surface before mulching



Typical Grid Style Installation

Legend

- Drip Pipework
- Pipework
- Solenoid Valve
- Air Relief Valve

REFERENCE DRAWING(S): -

-
-

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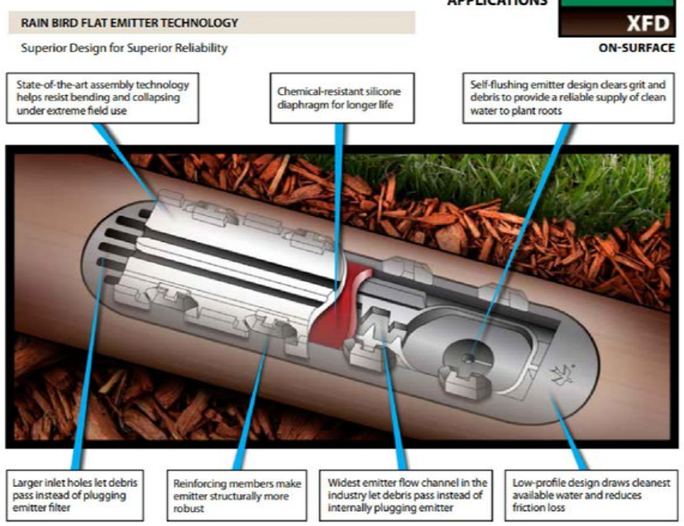
XFD DRIPLINE FOR ON-SURFACE APPLICATIONS

ON-SURFACE



XF™ Series Dripline

The most flexible, kink resistant tubing

Applications

Rain Bird XF™ Series Dripline is the latest innovation in the Rain Bird Xerigation® family. Because it is the most flexible, kink-resistant tubing available, it's ideal for irrigating areas where traditional drip tubing is difficult to install.
XF™ dripline is perfect for small, narrow and tight planting areas, as well as areas with tight curves or many switchbacks.

Because it accepts 17mm insert fittings, and Lock type fittings makes it easier than ever to design with, and install Rain Bird dripline.

XF™ Series Dripline is **simple, reliable** and **durable.**

Features

Simple
- Unique material offers significantly greater flexibility and kink-resistance for fast, easy installation.
- The bend radius for XF™ dripline is 7,6 cm no matter which way you bend the tube. Other driplines will bend 10,2 cm if bending with the natural curve of the coil and only 17,8 cm if bending against the natural curve of the coil.
- Greater flexibility assures design capability of tight curves and spaces.
- Accepts Rain Bird 17mm insert fittings and Lock type fittings.
- Variety of spacing and coil lengths provides design flexibility for a number of nonturfgrass applications.

Reliable
- The pressure-compensating emitter design provides a consistent flow over the entire lateral length ensuring higher uniformity for increased reliability in the pressure range of 0,59 to 4,14 bar.

Durable
- Dual-layered tubing (brown over black) provides unmatched resistance to chemicals, algae growth and UV damage.

Operating Range
- Pressure: 0,59 to 4,14 bar
- Flow rates: 2,3 l/hr
- Temperature:
  Water: Up to 38° C
  Ambient: Up to 52° C
- Required Filtration: 120 mesh

Specifications
- OD: 16,10 mm
- ID: 13,61 mm
- Thickness: 1,24 mm
- 33 cm, 40 cm and 50 cm spacing
- Available in 25 m, 50 m, 100 m and 200 m coil

Models
- XFD-23-33-25
- XFD-23-33-50
- XFD-23-33-100
- XFD-23-33-200
- XFD-23-40-50
- XFD-23-40-100
- XFD-23-50-100
- XFD-23-50-200

XF™ Dripline Coil

XF™ Dripline offers increased flexibility for easy installation.

How to Specify/Order:

XFD-23-33-100

Model
XF™ Dripline

Flow Rate
23= 2,3 l/h

Coil Length
25= 25m
50=50m
100=100m
200=200m

Emitter Spacing
33= 33 cm
40= 40 cm
50= 50 cm

Rev.	Date	Description	Drn.	Chd.	App.
-	-	-	-	-	-

Landscape Architect:

Bradley-Hole Schoenaich Landscape

Irrigation Consultant:

waterscapes Ltd
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Email: info@waterscapeslimited.com

Project Title:

Belgrove House

Drawing Title:

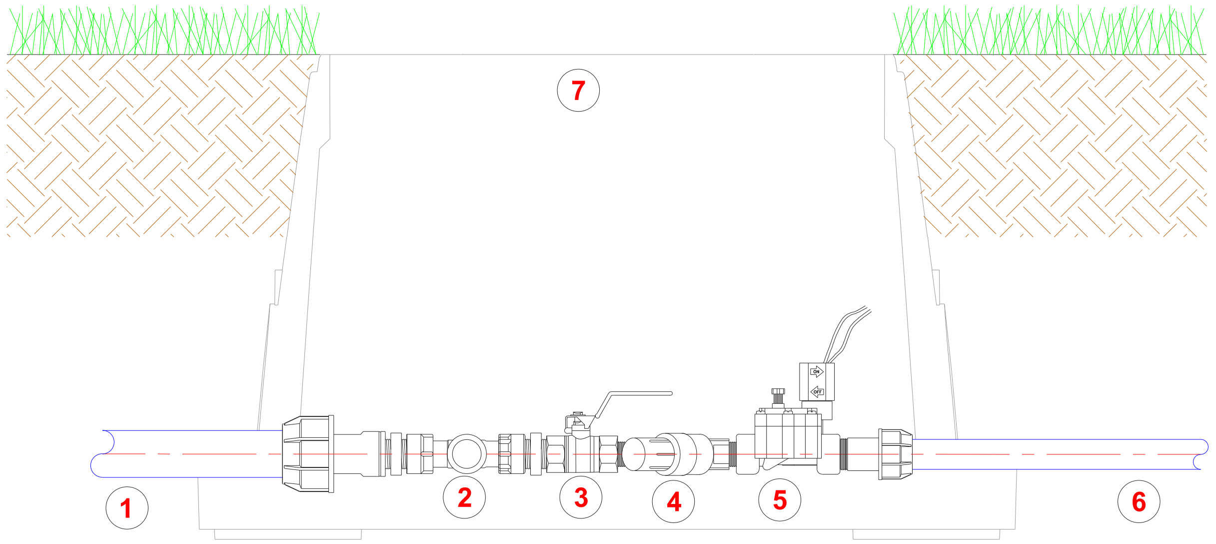
Example Drip Pipework Installation

Scale at A1:	Status:	CAD File Name:
NTS	For information	WSL3209-EX1
Drawn:	**Checked:**	**Approved:**
PDB	MC	-
Date:	**Date:**	**Date:**
24.11.22	24.11.22	-

Drawing No: WSL3209-EX1

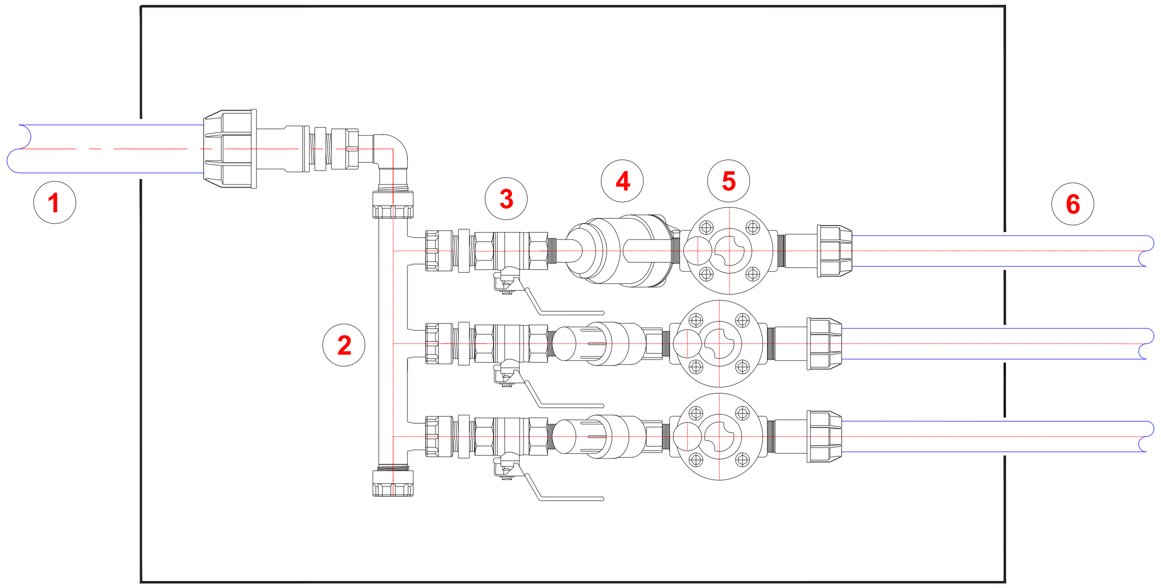
Revision: P01

Section View



1. Irrigation Main Line Pipework
2. Dura Manifold
3. Full Flow Valve
4. In-line Filter
5. Rain Bird Solenoid Valve
6. Outgoing water to irrigated landscape
7. Buried Rain Bird valve box

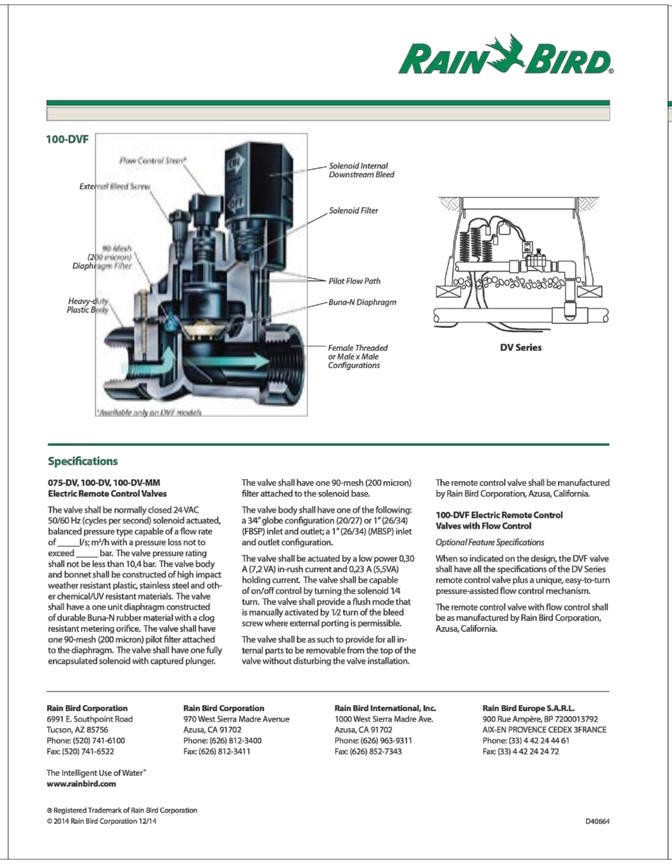
Plan View




RAIN BIRD
Tech Spec

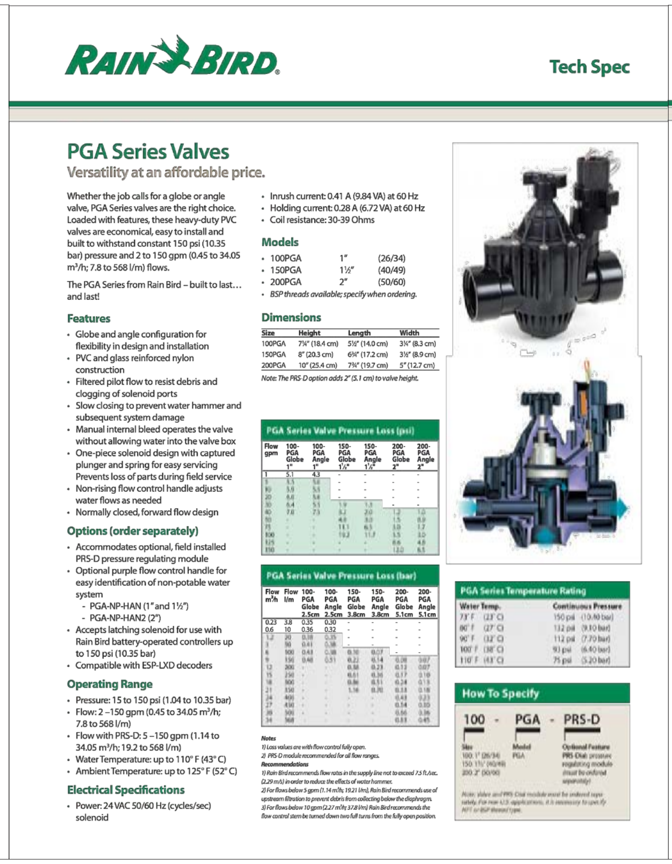
DV Series Valves

The Industry Leader for Over 20 Years.


RAIN BIRD

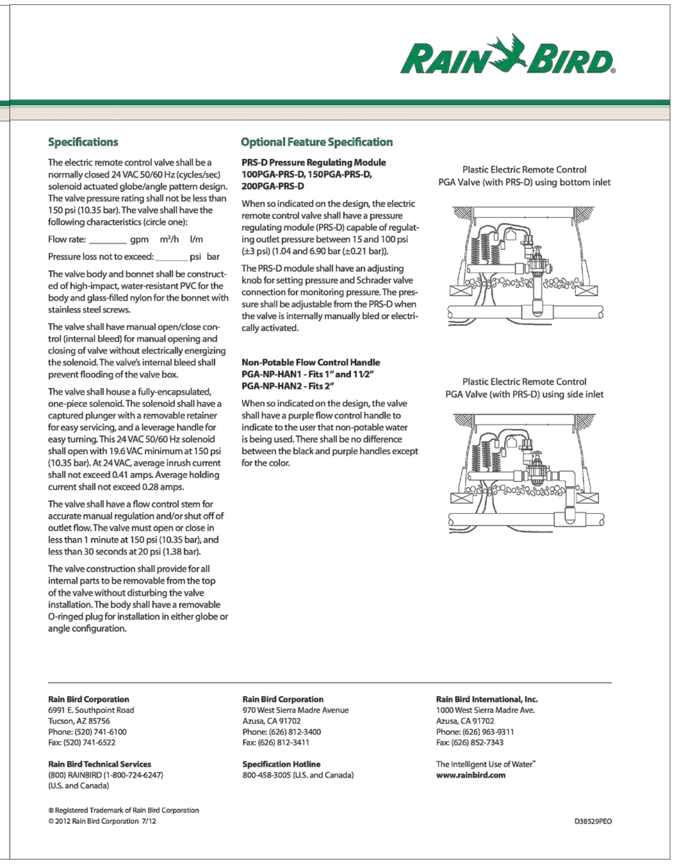
100-DVF

Specifications


RAIN BIRD
Tech Spec

PGA Series Valves

Versatility at an affordable price.


RAIN BIRD

Specifications

Optional Feature Specification

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-
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-	-	-	-	-	-

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Email: info@waterscapeslimited.com

Project Title:

Belgrove House

Drawing Title:

Example Solenoid Valve Assembly

Scale at A1:	Status:	CAD File Name:
NTS	For information	WSL3209-EX2
Drawn: PDB	Checked: MC	Approved: -
Date: 17.11.2022	Date: 17.11.2022	Date: -

Drawing No: WSL3209-EX2

Revision: P01

Bradley-Hole Schoenaich Landscape

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