

HYDRO-RAIN®

Built for Speed®

REMOVABLE

REUSABLE

EASY
INSERTION

FASTER
INSTALLATION

PVC-Lock®

IRRIGATION PIPE FITTINGS

PVC-LOCK® MANIFOLD TEES

For PVC Pipe

Features

- Patent pending design is 100% tool and glue free
- PVC-Lock® manifold fittings cut installation time in half or more
- Patent pending retaining system with stainless steel teeth grip pipe tight for a strong, leak-proof connection
- PVC-Lock® fittings can swivel 360° around the pipe for easy sprinkler head orientation and adjustment
- For use with all brands and classes of Schedule 40 and 80 PVC pipe
- Removable and reusable using the PVC-Lock® removal tool
- Pressure rated for use on either side of the irrigation valve
- Works with all male and female pipe thread valves and Hydro-Rain® push-fit valves

Specifications

- Burst pressure: 600 psi (41.4 bar)
- Working pressure: 0-150 psi (10.5 bar) at 68°F (20°C)
- Certifications: IAPMO IGC 300-2013



TEES



Push x Push x Push

Part Number

Nom.
Size

Description

SKU

PVCL-401-010

1"

1" x 1" x 1"

08672

PVCL-401-007

3/4"

3/4" x 3/4" x 3/4"

07752

PVCL-401-005

1/2"

1/2" x 1/2" x 1/2"

06503

Bullhead

PVCL-401-102

1"

3/4" x 3/4" x 1"

08684



Push x Push x FPT

PVCL-402-130

1"

1" x 1" x 1/2"

08671

PVCL-402-101

3/4"

3/4" x 3/4" x 1/2"

07772

PVCL-402-005

1/2"

1/2" x 1/2" x 1/2"

06544

MANIFOLD TEES



Push x Spigot x MIPT

Part Number

Nom.
Size

Description

SKU

PVCL-476-010

1"

1" x 1" x 1"

08685

Push x Spigot x Push

PVCL-444-010

1"

1" x 1" x 1"

08686

Push x Spigot x FPT

PVCL-477-010

1"

1" x 1" x 1"

08688

ELBOWS



Push x Push

Part Number

Nom.
Size

Description

SKU

PVCL-406-010

1"

1" x 1"

08673

PVCL-406-007

3/4"

3/4" x 3/4"

07774

PVCL-406-005

1/2"

1/2" x 1/2"

06516



Push x FPT

PVCL-407-130

1"

1" x 1/2"

08675

PVCL-407-010

1"

1" x 1"

08681

PVCL-407-101

3/4"

3/4" x 1/2"

07775

PVCL-407-005

1/2"

1/2" x 1/2"

06547



Push x MPT

PVCL-410-010

1"

1" x 1"

08679

PVCL-409-005

1/2"

1/2" x 1/2"

06548

COUPLINGS



Push x Push

Part Number

Nom.
Size

Description

SKU

PVCL-429-010

1"

1" x 1"

08676

PVCL-429-131

1"

1" x 3/4"

08677

PVCL-429-007

3/4"

3/4" x 3/4"

07776

PVCL-429-101

3/4"

3/4" x 1/2"

06619

PVCL-429-005

1/2"

1/2" x 1/2"

06542

SLIDE REPAIR COUPLINGS



Push x Spigot

Part Number	Nom. Size	Description	SKU
PVCL-SFX-100	1"	1" x 1"	08646
PVCL-SFX-075	3/4"	3/4" x 3/4"	07884
PVCL-SFX-050	1/2"	1/2" x 1/2"	06556

FLEXIBLE COUPLINGS



Push x Push

Part Number	Nom. Size	Description	SKU
PVCL-FPC-100	1"	1" x 1"	08002
PVCL-FPC-075	3/4"	3/4" x 3/4"	07002
PVCL-FPC-050	1/2"	1/2" x 1/2"	06002

ADAPTERS



Push x MPT



Push x Spigot

Insert x Spigot

Part Number	Nom. Size	Description	SKU
PVCL-436-010	1"	1" x 1"	08678
PVCL-436-007	3/4"	3/4" x 3/4"	07778
PVCL-437-131	1"	3/4" x 1"	08690
1460-010	1"	1" x 1"	37905

END CAPS



Push

Part Number	Nom. Size	Description	SKU
PVCL-447-010	1"	1"	08680
PVCL-447-007	3/4"	3/4"	07780
PVCL-447-005	1/2"	1/2"	06546

TOOLS



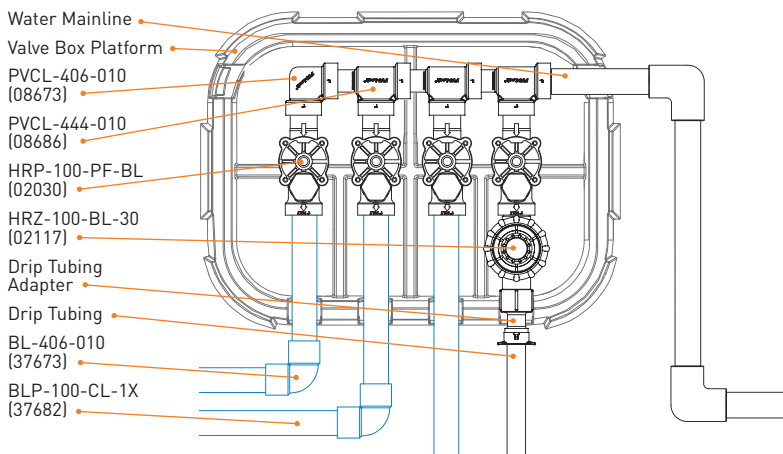
Release



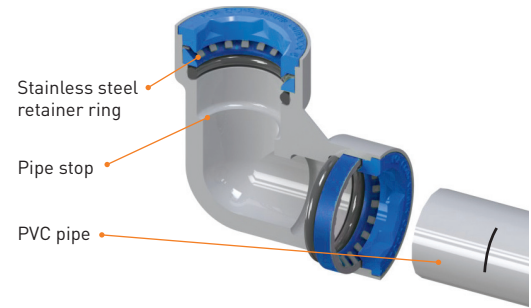
Bevel

Part Number	Nom. Size	Description	SKU
PVCL-RTL-100	1"	1"	08195
PVCL-RTL-075	3/4"	3/4"	07015
PVCL-RTL-050	1/2"	1/2"	06016
PVCL-BVL-TOOL			02022

Installation Specification Detail

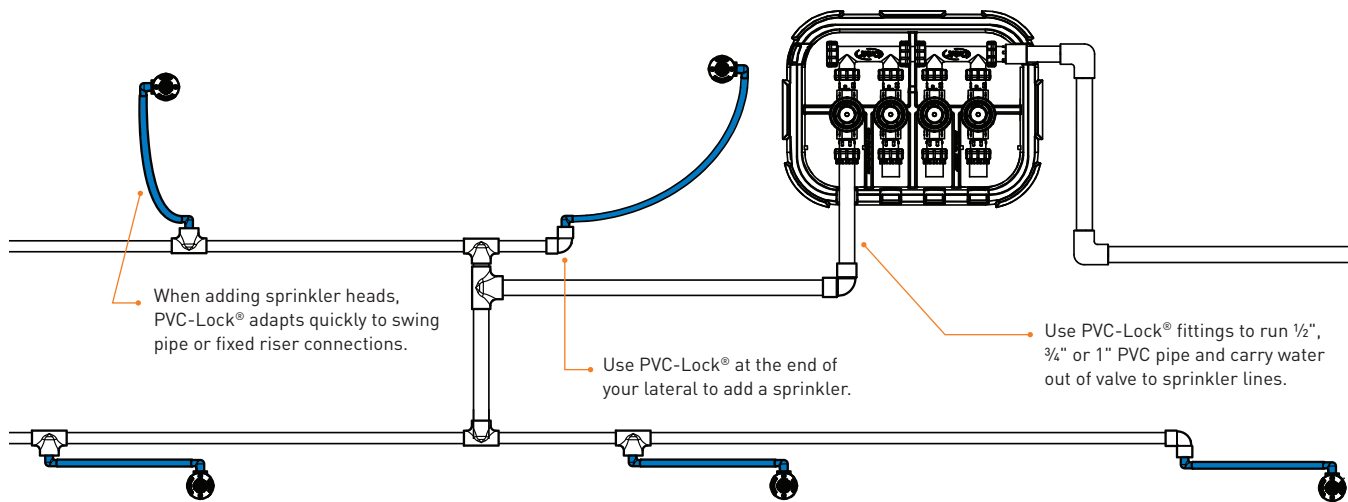


How Does PVC-Lock® Work?



When PVC pipe is inserted to the pipe stop, the O-ring seals around the pipe and the stainless steel ring "locks" the pipe in place.

The fitting with a fully inserted pipe creates a permanent, leak-free connection.



PSI vs. Flow Rate

PSI	1" GPM	¾" GPM
40	11	8
50	13	9
60	14	10
70	16	11

1" (2.5 cm) Pipe Pressure Loss*

FLOW GPM	VELOCITY FPS	PRESSURE LOSS PSI
1		
2		
3		
4	1.48	0.46
5	1.86	0.76
6	2.23	1.06
7	2.60	1.37
8	2.97	1.80
9	3.34	2.23
10	3.71	2.76
11	4.08	3.07
12	4.45	3.85
13	4.83	4.45
14	5.2	5.10
15	5.57	5.76
20	7.42	9.90
25	9.98	14.90

¾" (1.9 cm) Pipe Pressure Loss*

FLOW GPM	VELOCITY FPS	PRESSURE LOSS PSI
1	0.60	0.15
2	1.20	0.48
3	1.80	1.00
4	2.41	1.64
5	3.01	2.46
6	3.61	3.45
7	4.21	4.59
8	4.81	5.85
9	5.41	7.29
10	6.02	8.85
11	6.62	10.60
12	7.22	12.40
13	7.82	14.40
14	8.42	16.50
15	9.02	18.70

WARNING: For cold water outdoor irrigation connections only. Do not insert fingers. Use only PVC pipe with PVC-Lock® fittings. Ensure that pipe and fittings are free of dirt and debris prior to inserting the pipe into fitting. Minimum burst pressure varies according to pipe and fitting size.

*Measured in 100' lengths

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