



HYDRO-RAIN®

Built for Speed™

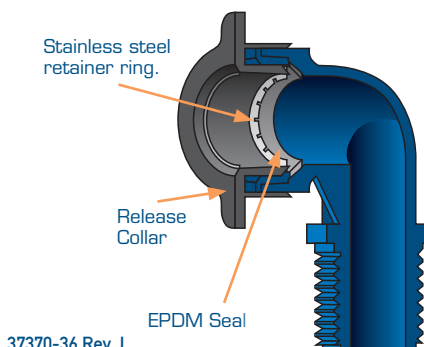
Blu-Lock®
BY HYDRO-RAIN

SPECIFICATIONS

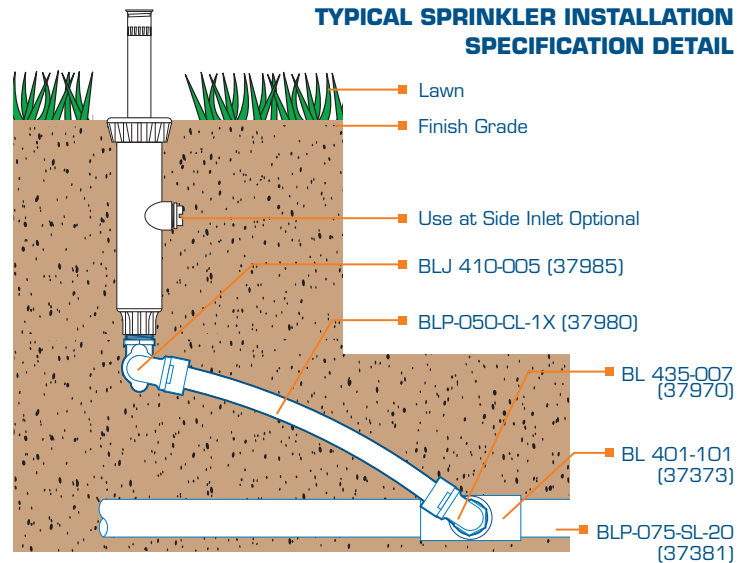
- **Blu-Lock® 1/2" (1.3 cm) Swing Pipe Fittings:**
 - Max working pressure: 80 PSI (5.5 BAR) at 72°F (23°C)
 - Burst Pressure: Exceeds 220 PSI (15.2 BAR)
 - Working Pressure: 10-80 PSI (0.69-5.5 BAR)
 - Body Material: ABS
 - Retaining Ring Material: Stainless Steel
 - Seal Material: EPDM
- **Blu-Lock® 3/4" (1.9 cm) Lateral Pipe Fittings:**
 - Max working pressure: 125 PSI (8.5 BAR) at 72°F (23°C)
 - Burst Pressure: Exceeds 250 PSI (17.2 BAR)
 - Working Pressure: 10-125 PSI (0.69-8.6 BAR)
 - Body Material: ABS
 - Retaining Ring Material: Stainless Steel
 - Seal Material: EPDM
- **Blu-Lock® 1" (2.5 cm) Lateral Pipe Fittings:**
 - Max Working Pressure: 150 PSI (10.3 BAR) at 72°F (23°C)
 - Burst Pressure: Exceeds 350 PSI (24.1 BAR)
 - Working Pressure: 10-150 PSI (0.69-10.3 BAR)
 - Body Material: ABS
 - Retaining Ring Material: Stainless Steel
 - Seal Material: EPDM
- **Blu-Lock® 1/2" (1.3 cm) Swing Pipe (LDPE):**
 - Operating Pressure: 80 PSI (5.5 BAR)
 - Pressure loss at 6 GPM: 5 PSI (0.3 BAR)
 - Outer Dimensions: .59" (1.5 cm)
 - Inner Dimensions: .43" (1.1 cm)
 - Wall Thickness: .08" (0.2 cm)
- **Blu-Lock® 1" (2.54 cm) & 3/4" (1.90 cm) Lateral Pipe (HDPE):**
 - Burst Pressure Rating: 320 PSI (22.06 BAR) at 72°F (23°C)
 - Working Pressure: 100 PSI (6.89 BAR)
 - Outer Dimensions: 3/4" .944 (2.4 cm), 1.21" (3.1 cm)
 - Inner Dimensions: 3/4" .824" (2.1 cm), 1.07" (2.1 cm)
 - Wall Thickness: .060" (0.2 cm)
 - Wt. Foot: .074 lbs. (0.03 Kg)

* For non-constant pressure valve-out outdoor irrigation connections only.

BLU-LOCK® CUTAWAY



TYPICAL SPRINKLER INSTALLATION SPECIFICATION DETAIL



1" (2.54 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

3/4" (1.9 CM)

PIPE PRESSURE LOSS

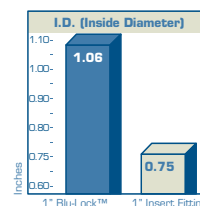
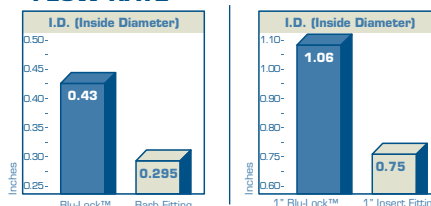
Flow (GPM)	Velocity (FPS)	Pressure Loss (PSI)
1	0.60	0.15
2	1.20	0.48
3	1.80	1.00
4	2.41	1.64
5	3.01	2.46
6	3.61	3.45
7	4.21	4.59
8	4.81	5.85
9	5.41	7.29
10	6.02	8.85
11	6.62	10.60
12	7.22	12.40
13	7.82	14.40
14	8.42	16.50
15	9.02	18.70

PSI VS. FLOW RATE *

PSI	1" GPM	3/4" GPM
40	11	8
50	13	9
60	14	10
70	16	11

* Measured in 100' lengths

1/2" BLU-LOCK® VS. SBE FITTINGS FLOW RATE



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Working in a sprinkler trench is tough enough—don't make it harder by using traditional pipe fitting methods that require hot, toxic glue, clamps, or frustrating barbed fittings. Hydro-Rain® offers a better way: Blu-Lock® push-n-go lateral sprinkler pipe fittings for HDPE and swing pipe.

Every fitting installed from the valve out, you can now install faster and easier with Blu-Lock® fittings.

Simply stated, Blu-Lock® by Hydro-Rain® is the fastest, greenest, irrigation installation method in the world.

BUILT FOR SPEED ADVANTAGES

- **Patented "Push-and-Go" Design**—100% tool and chemical free approach cut installation time in half.
- **True System Integration**—Total compatibility of fittings, pipe, manifolds, valves, saddles, and heads.
- **Exclusive Trench and Trenchless Technology**—Coil and straight length pipe options provide unrivaled flexibility.

BUILT FOR GREEN ADVANTAGES

- **Blu-Lock® Pipe is Green**—Environmentally-friendly, recyclable HDPE pipe provides a superior alternative to PVC.
- **Blu-Lock® Fittings are Green**—Outside diameter (OD) technology ensure lower friction loss for better efficiency.
- **And Both are Chemical Free**—Glueless, tool-free installation protects the environment and the long-term health of your crew.

FEATURES AND BENEFITS

- **Heavy-Duty Construction**—Built tough fittings made from UV-resistant ABS, stainless steel and EPDM seals are designed and tested to ensure toughness.
- **Patented Retaining System**—Stainless steel teeth grip pipe tight for a strong, leak-proof connection.
- **Outside Diameter (OD) Technology**—Flow is unimpeded for 25 percent increase in flow versus traditional insert fittings.
- **High Quality and "Easy-Flex"**—Blu-Lock® lateral and swing pipe are made from virgin resins and meet ASTM standards.
- **Patented Quick-Release Collar**—1/2" swing fittings feature quick-release mechanism that allows tool-free removal.
- **Hydro-Rain® Warranty**—3-year limited warranty on fittings, 30-year limited warranty on pipe. Some restrictions apply.

*Minimum burst pressure varies according to pipe and fitting size. See specifications for details.

