TYPICAL SPRINKLER INSTALLATION SPECIFICA-

Use at Side Inlet Optional

BLJ-410-005 (37985)

BLP-050-CL-1X (37980)

TION DETAIL

BL-409-005 (37979)

■ BL-401-101

## Blu-Lock®

## HYDRO-RAIN®

Built for Speed®





**EASIER** 

INSERTION

Blu-Lock® takes installation speed and ease to new heights. The addition of three key new features makes push-fit installation easier and more flexible.

- Easier—insertion force has been reduced by half to make installation even faster.
- Compatible—works with all 80# and 100# SIDR 15 and 19 pipe.
- Releasable—all 1/2", 3/4", and 1" fittings are releasable and reusable with the Blu-Lock® release tool or built-in collar.

Simply stated, Blu-Lock® 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—Release-able design allows for fittings to be changed and reused without cutting pipe
- Pipe and Fittings 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.
- Wet or Dry Installation—Simple push on installation allows fittings to be installed wet or dry.
- 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.
- **Releasable**—½" swing fittings are releasable with the



















COLD

# **MAKING YOUR JOB**



**EASIER SINCE 2003!** 

**WATCH A BLU-LOCK** RACE

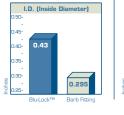
patented quick release collar and 3/4" and 1" fittings release with release tools. All fittings can be reused.

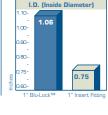
• **Hydro-Rain® Warranty**—3-year limited warranty on fittings, 30-year limited warranty on pipe. Some restrictions apply.

### **SPECIFICATIONS**

- Blu-Lock® 1/2" Swing Pipe Fittings:
- Max working pressure:
- 80 PSI at 72°F
- Burst Pressure: Exceeds 220 PSI
- Working Pressure: 10-80 PSI
- Blu-Lock® ¾" Lateral Pipe Fittings:
- Max working pressure:
- 125 PSI at 72°F
- Burst Pressure: Exceeds 250 PSI
- Working Pressure: 10-125 PSI
- Blu-Lock® 1" Lateral Pipe Fittings:
- Max Working Pressure:
- 150 PSI at 72°F
- Burst Pressure: Exceeds 350 PSI
- Working Pressure: 10-150 PSI
- Blu-Lock® 1/2" Swing Pipe (LDPE):
  - Operating Pressure: 80 PSI
  - Outside Diameter: 0.59"
  - Inside Diameter: 0.43"
- Blu-Lock® 1" & 3/4" Lateral Pipe (HDPE):
- Burst Pressure Rating: 320 PSI at 72°F
- Working Pressure: 100 PSI
- 1" Outside Diameter: 1.21"
- 1" Inside Diameter: 1.07"
- 3/4" Outside Diameter: 0.94"
- 3/4" Inside Diameter: 0.82"
- Wt. Foot: .074 lbs.
- \* For non-constant pressure valve-out outdoor irrigation connections only.
- \* Minimum burst pressure varies according to pipe and fitting size.

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









Velocity (FPS)	Pressure Loss (PSI)	Flow (GPM)	Velocity (FPS)	Pressure Loss (PSI)
-	-	1	0.60	0.15
-	-	2	1.20	0.48
-	-	3	1.80	1.00
1.48	0.46	4	2.41	1.64
1.86	0.76	5	3.01	2.46
2.23	1.06	6	3.61	3.45
2.60	1.37	7	4.21	4.59
2.97	1.80	8	4.81	5.85
3.34	2.23	9	5.41	7.29
3.71	2.76	10	6.02	8.85
4.08	3.07	11	6.62	10.60
4.45	3.85	12	7.22	12.40
4.83	4.45	13	7.82	14.40
5.2	5.10	14	8.42	16.50
5.57	5.76	15	9.02	18.70
7.42	9.90			
9.98	14.90	PSI VS. FL	OW RATE	

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

\* Measured in 100' lengths

37370-36 гN

# BU-LOCK®





**WORKS WITH ANY 80# AND 100# PIPE** 













1" (2,54 CM)

20

PIPE PRESSURE LOSS\*

## HYDRO-RAIN®

## Blu-Lock®

### 1" BLU-LOCK FITTINGS FOR HDPE (POLY) PIPE



BL-401-131 (37683) 1" BL x 3/4" BL



BL-401-130 (37672) 1" BL x ½" BL



BL-447-010 (37680) 1" BL Cap



1" BL Ell



1" BL x 1" PVC Adapter



1" BL x ½" Drip-Lock Reduing Adapter Tee



1" BL x 1/2" BLR Reducing Coupling

Built for Speed®



BL-401-075 (37687) BL-401-075 (37687) BL-401-010 (37684) 1" BL x 1/2" BLR Bull Tee 1" BL Tee

HRM-100-UB-1x (03133)



BL-402-130 (37671) " BL x 1/2" FPT





I" BL x 3/4" BL Reducing 1" BL x MPT Adapter



BL-401-007 (37370) 3/4" BL Tee



3/4" BL Coupling



3/4" BLU-LOCK® HDPE PIPE

BLP-075-SL-20

3/4" x 20' Blu-Lock®

100 PSI SIDR 15



BL-429-101 (37377) BL-436-007 (37378) 3/4" BL x 1/2" BL Reducing 3/4" BL x MPT Adapter

BLP-075-CL-1X (37382)

100 PSI SIDR 15 Pipe -

3/4" BLU-LOCK FITTINGS FOR HDPE (POLY) PIPE

BL-402-101 (37372) 3/4" BL x 1/2" FPT



BL-401-101 (37373) 3/4" BL x 1/2" BL



BL-474-131 (37384) BL-474-007 (08683) 3/4" BL x 1" PVC Spigot 3/4" BL x 1" Soc Reducing 3/4" BL x 3/4" PVC Adapter



3/4" BL x 1" MPT Reducing 3/4" BL Cap



BL-401-130-DL (37361) 34" BL x ½" Drip-Lock Reducing Adapter Tee 3/4" BL x HRM Manifold



½" x 100' Blu-Lock®

Swing Pipe - Coil

1/2" BLR x 1/2" MPT Ell

BL-406-005 (37987) 1/2" BLR Ell

1/2" BLR Tee



1/2" BLR x 3/4" MPT Reducing Adapter

1/2" BLR x 3/4" MPT

1/2" BL Auto Drain Valve

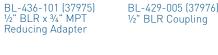


BL-436-005 (37974) ½" BLR x ½" MPT





Note: BLS-TAP Series Max Flow:





1/2" BLR x Street Ell

**BLU-LOCK® SWING PIPE FITTINGS** 

For use with Blu-Lock® Swing Pipe BLP-050-CL-1X

BLJ-050-SS-6X (37604) 6" x ½" Street Ell Swing Assembly

BLJ-410-005 (37985) ½" BLR x ½" MPT Adapter Swing Joint

### **BLS NITRO SADDLES & TEES**





1" BLS Nitro Saddle Body Saddle Body



11/4" BLS Nitro



BLS-TAP-FP-50

½" FPT Nitro



BLS-TAP-FP-75



½" SB Nitro Saddle Tap

### **VALVES, MANIFOLDS & SPRINKLERS**



1" Push-fit Valve w/Flow Control & Blu-lock



HRZ-100-BL-30 (02117) 2-in-1 Push-Fit Drip Filter & 30 PSI 1" BL Spigot x 1" MPT



PVCL-447-010 1" PVC-Lock® x 1" PVC-Lock® 1" PVC-Lock® x 1" Spigot Manifold Tee

½" BL Nitro



[03020]

with
1/2" BLR Ell

HRS-200-04-BL 4" Spray Head

HRX-075-ADJ HRX 3/4" NPT Adjustable Rotor

1" BLU-LOCK® HDPE PIPE



"BL x ½" FPT Reducing 1" BL Coupling

BLP-100-SL-20 (37681) 1" x 20' Blu-Lock® 100 PSI SIDR 15 Pipe -



BLP-100-CL-1X (37682) 100 PSI SIDR 15 Pipe -





BLP-100-CR-1X (37698) 1" x 100' Blu-Lock

100 PSI SIDR 15 Pipe

HYDRO-RAIN® ► (ph) 888-HYDRORAIN (fx) 801.203.1179 ► www.hydrorain.com ► 845 Overland Street, North Salt Lake, UT 84054

Reclaimed - Coil



BLP-100-CL-3X (37692) 1" x 300' Blu-Lock® 100 PSI SIDR 15 Pipe –



BLP-075-CR-1X (37396)

3/4" x 100' Blu-Lock®

100 PSI SIDR 15 Pipe

Reclaimed - Coil



BLP-075-CL-3X (37388) 100 PSI SIDR 15 Pipe -



1" Poly Pipe Cutter

**BLU-LOCK® TOOLS** 





BI-RTL-075 (37909) 3/4" BL Release Tool



BLB-CUT-25-1X (26113