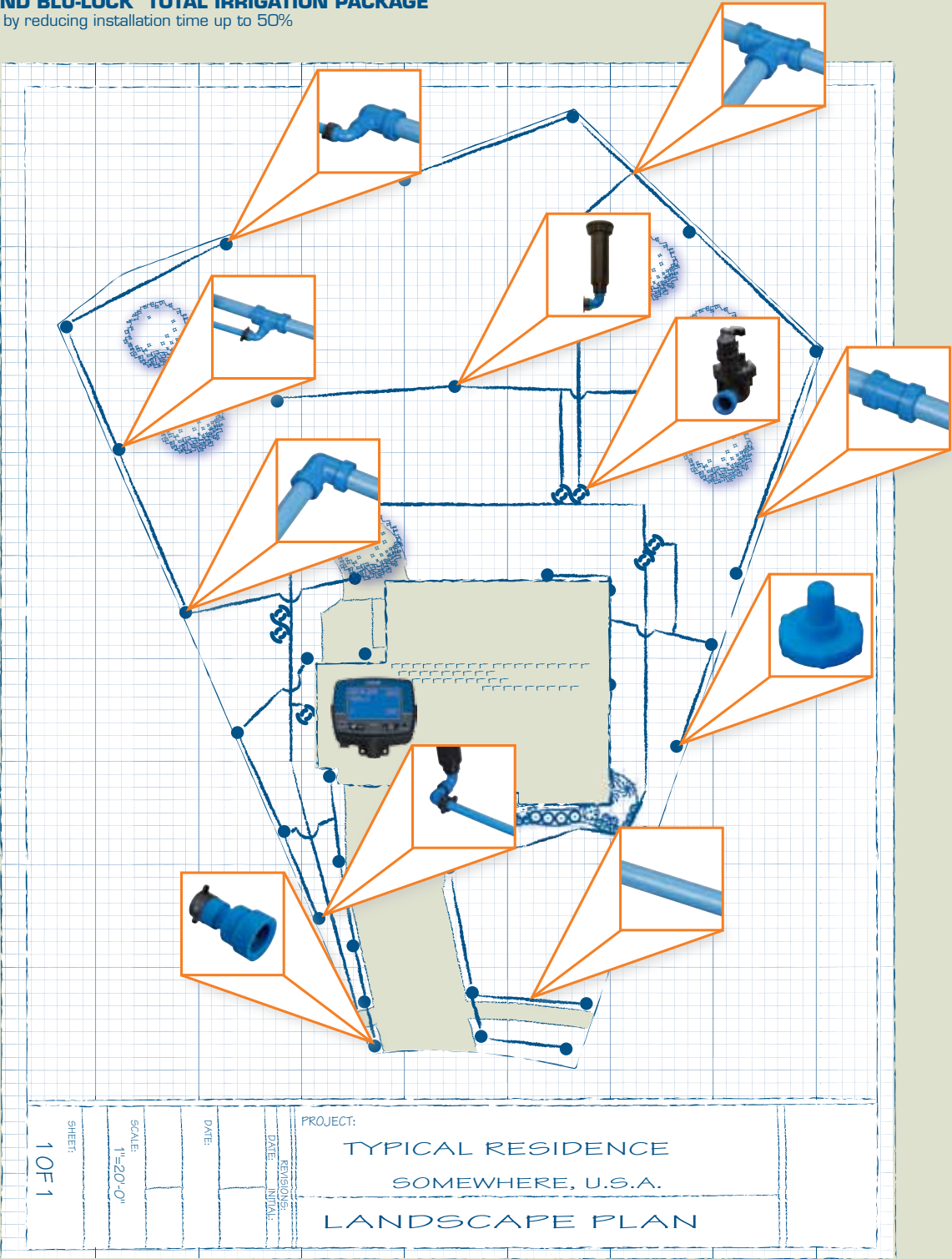




HYDRO-RAIN® AND BLU-LOCK™ "TOTAL IRRIGATION PACKAGE"
Increase your profits by reducing installation time up to 50%

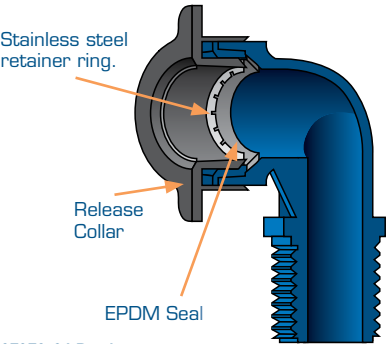


SPECIFICATIONS

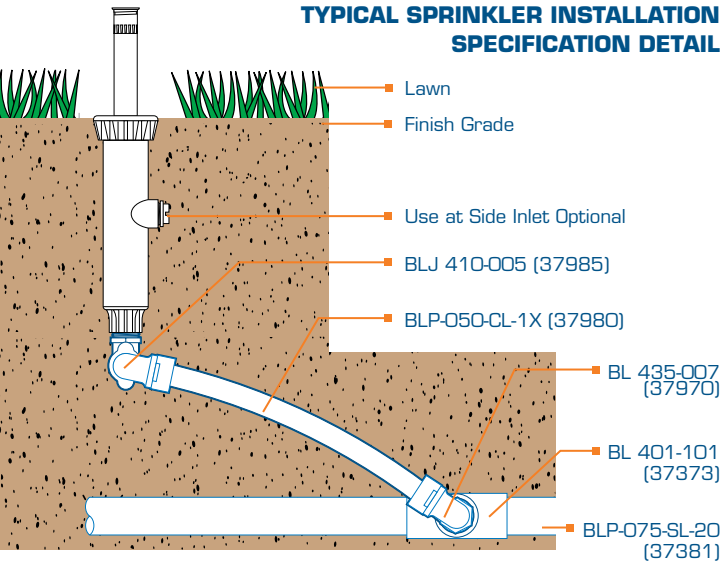
- **Blu-Lock® 1/2" (1.3 cm) Fittings:**
 - Max working pressure: 80 PSI (5.5 BAR) at 72°F (23°C)
 - Burst Pressure: Exceeds 220 PSI (15.2 BAR)
 - Working Pressure: 10-80 PSI (0.69-5.5 BAR)
 - Body Material: ABS
 - Retaining Ring Material: Stainless Steel
 - Seal Material: EPDM
- **Blu-Lock® 3/4" (1.9 cm) 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) 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) Lateral and Swing Pipe (LLD):**
 - 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



37370-36 Rev I



**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**

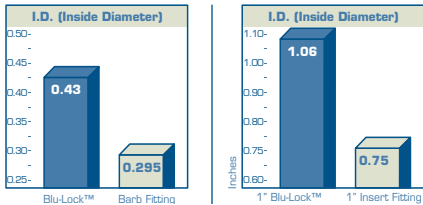
Flow (GPM)	Velocity (FPS)	Pressure Loss (PSI)
1	0.60	0.15
2	1.20	0.48
3	1.80	1.00
4	2.41	1.64
5	3.01	2.46
6	3.61	3.45
7	4.21	4.59
8	4.81	5.85
9	5.41	7.29
10	6.02	8.85
11	6.62	10.60
12	7.22	12.40
13	7.82	14.40
14	8.42	16.50
15	9.02	18.70

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

INCREASED FLOW RATES



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.

Everything you do from the valve out, you can now do faster and easier with Blu-Lock. Primer? Glue? Clamps? Tools? With the Blu-Lock system, you don't need them!

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.



1" (2,5 CM) BLU-LOCK FITTINGS

For use with Blu-Lock 100 lb SIDR 15 3408 HDPE Irrigation Pipe*



37683
BL 401-131
1" BL x 3/4" BL Tee



37684
BL 401-102
1" BL x 3/4" BL Bull Tee



37685
BL 429-130
1" BL x 1/2" BLR Coupling



37687
BL 401-075
1" BL x 1/2" BLR Bull Tee



37670
BL 401-010
1" BL Tee



37671
BL 402-130
1" BL x 1/2" FIPT Tee



37672
BL 401-130
1" BL x 1/2" BLR Tee



37673
BL 406-010
1" BL x Ell



37675
BL 407-130
1" BL x 1/2" FIPT Ell



37676
BL 429-010
1" BL Coupling



37677
BL 429-131
1" BL x 3/4" BL Coupling



37689
BL 474-010
1" BL x Soc Adapter



37678
BL 436-010
1" BL x MIPT Adapter



37680
BL 447-010
1" BL Cap



37902
BL 1474-130
1" Insert x 1/2" BLR Adapter



37904
BL 1401-130
1" Insert x 1/2" BLR Tee

3/4" (1,9 CM) BLU-LOCK FITTINGS

For use with Blu-Lock 100 lb SIDR 15 3408 HDPE Irrigation Pipe*



37370
BL 401-007
3/4" BL Tee



37372
BL 402-101
3/4" BL x 1/2" FIPT Tee



37373
BL 401-101
3/4" BL x 1/2" BLR Tee



37387
BL 401-074
3/4" BL x 1/2" BLR Bull Tee



37375
BL 407-101
3/4" BL x 1/2" FIPT Ell



37376
BL 429-007
3/4" BL Coupling



37377
BL 429-101
3/4" BL x 1/2" BLR Coupling



37378
BL 436-007
3/4" BL x MIPT Adapter



37383
BL 436-131
3/4" BL x 1" MIPT Adapter



37380
BL 447-007
3/4" BL Cap



37374
BL 406-007
3/4" BL Ell



37379
BLA-075-BF-75
3/4" BL x FIPT Adapter



37384
BL 474-007
3/4" BL x Soc Adapter



37385
BL 474-131
3/4" BL x 1" Soc Adapter



37901
BL 1474-101
3/4" Insert x 1/2" BLR Adapter



37903
BL 1401-101
3/4" Insert x 1/2" BLR Tee

1/2" (1,3 CM) BLU-LOCK SWING FITTINGS & SWING PIPE

For use with 1/2" Blu-Lock Swing Pipe



37604
BLJ-050-SS-6X
6" x 1/2" Street Ell
Swing Assembly



37605
BLJ-050-SS-12
12" x 1/2" Street Ell
Swing Assembly



37985
BLJ 410-005
1/2" BLR x MIPT
Combo Swing Joint



37986
BLJ 410-101
1/2" BLR x 3/4" MIPT
Combo Swing Joint



37980
BLP-050-CL-1X
1/2" x 100' Blu-Lock
Swing Pipe – Coil



37900
BL FPA 050
1/2" BLR x 3/8"
Funny Pipe™ Adapter



37974
BL 436-005
1/2" BLR x 1/2" MIPT
Adapter



37975
BL 436-101
1/2" BLR x 3/4" MIPT
Adapter



37976
BL 429-005
1/2" BLR Coupling



37977
BL 401-005
1/2" BLR Tee



02602
BLD-050-BX-50
1/2" BL Auto Drain
Valve



37970
BL 435-007
1/2" BLR x 1/2" MIPT
Ell



37971
BL 410-007
1/2" BLR x 3/4" MIPT
Ell



37972
BL 407-005
1/2" BL x 1/2" FIPT Ell



37973
BL 407-074
1/2" BLR x 3/4" FIPT
Ell



37979
BL 409-005
1/2" BLR x Street
Ell



37987
BL 404-005
1/2" BLR Ell

1" (2,5 CM) BLU-LOCK PIPE



37681
BLP-100-SL-20
1" x 20' Blu-Lock 100 PSI
SIDR 15 Pipe –
Straight



37682
BLP-100-CL-1X
1" x 100' Blu-Lock 100 PSI
SIDR 15 Pipe –
Coil



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



37698
BLP-300-CR-3X
1" x 100' Blu-Lock 100 PSI
SIDR 15 Pipe Reclaimed –
Coil

3/4" (1,9 CM) BLU-LOCK PIPE



37381
BLP-075-SL-20
3/4" x 20' Blu-Lock 100
PSI SIDR 15 Pipe –
Straight



37382
BLP-075-CL-1X
3/4" x 100' Blu-Lock 100
PSI SIDR 15 Pipe –
Coil



37388
BLP-075-CL-3X
3/4" x 300' Blu-Lock 100
PSI SIDR 15 Pipe –
Coil



37396
BLP-075-CR-3X
3/4" x 100' Blu-Lock 100 PSI
SIDR 15 Pipe Reclaimed –
Coil

"BUILT FOR SPEED" INSTALLATION-READY VALVES AND SPRINKLERS



05107
HRB-100-FB-1X
1" NPT Commercial
Valve with 1" BL Adapter



02007
HRJ-100-FB-1X
1" NPT Jar Top Valve with
1" (3/4") also available
model #02002) BL Adapter



94524
*HRS-100-04-FB
4" Slim Spray Head with
Flush Cap and 1/2" BL Ell



03015
*HRS-200-04-FB
4" Commercial Spray Head
with Flush Cap and 1/2" BL Ell

BLS NITRO SADDLE TEES Universal, for use with 80# and 100# SIDR 15 3408 Polyethylene Pipe



02916
BLS-075-BD-LT
3/4" BLS Nitro Saddle
Body



02917
BLS-100-BD-LT
1" BLS Nitro Saddle
Body



02918
BLS-TAP-BL-50
1/2" BL Nitro Saddle Tap



02919
BLS-TAP-FP-50
1/2" FIPT Nitro
Saddle Tap



02920
BLS-TAP-FP-75
3/4" FIPT Nitro
Saddle Tap



Note: BLS-TAP Series Max Flow: 14 GPM (52.4 LPM) @ 40 PSI (2.75 Bar)
*For non-constant pressure valve-out outdoor irrigation connections only.

BLU-LOCK ACCESSORIES



26113
BLB-CUT-25-1X
1" Poly Pipe Cutter

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

BLU-LOCK MERCHANDISING PIECES



98448
BL0-CTR-MT-EN
Blu-Lock® Counter Mat



98496
BL0-SMP-BX-EN
Blu-Lock® Promo Sample Box

BLU-LOCK MAKES SPRINKLER INSTALLATION EASY



1. Set swing assembly



2. Cut-into the lateral line



3. Insert lateral line into assembly



4. Set sprinkler

*Spray head body compatible with Hydro-Rain® HRS series nozzles, Rainbird®, Hunter®.