

BLU-LOCK®

For HDPE Pipe

Features

- Low insertion force makes installation fast
- Works with all HDPE pipe ASTM D2239 listed SDR 15 100 psi and SDR 19 80 psi pipe
- All 1/2", 3/4", and 1" fittings are releasable and reusable with the Blu-Lock® release tool or collar
- Patented design is 100% tool and chemical free
- Coil and straight length pipe options provide unrivaled flexibility
- Blu-Lock® pipe is environmentally friendly, and recyclable, HDPE pipe that provides a superior alternative to PVC
- Blu-Lock® technology will ensure lower friction loss for better water efficiency
- Built tough fittings made from UV-resistant ABS, stainless steel and EPDM seals are designed and tested to ensure toughness
- For use on the downstream side of the station valves, not rated for mainline use



Specifications

Blu-Lock® 1/2" (1.3 cm) Swing Pipe Fittings:

- Burst pressure: exceeds 220 psi (15.2 bar)
- Working pressure: 10-80 psi (0.69-5.5 bar)

Blu-Lock® 3/4" (1.9 cm) Lateral Pipe Fittings:

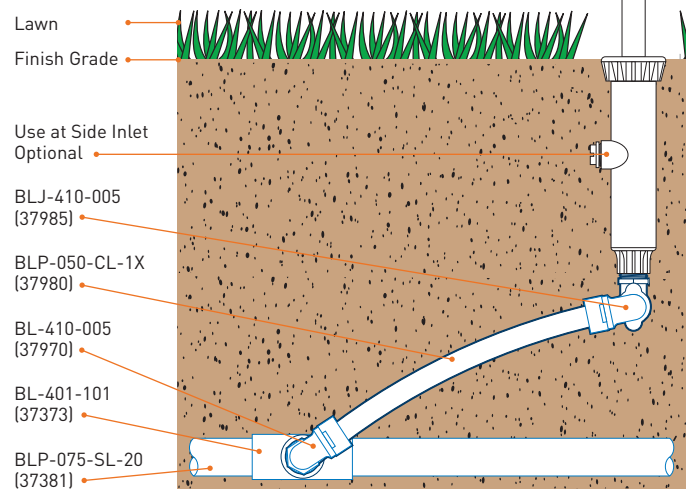
- Burst pressure: exceeds 250 psi (17.2 bar)
- Working pressure: 10-125 psi (0.69-8.6 bar)

Blu-Lock® 1" (2.5 cm) Lateral Pipe Fittings:

- Burst pressure: exceeds 350 psi (24.1 bar)
- Working pressure: 10-150 psi (0.69-10.3 bar)



Installation Specification Detail



FAST



**SIMPLE
PUSH ON**



**ROTATE
360°**



**HOT OR
COLD**



**WET OR
DRY**



**NO
WAITING**



**RELEAS-
ABLE**



**FULL
FLOW**

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

*Measured in 100' lengths

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

*Measured in 100' lengths

SWING JOINTS



Push x MPT

Part Number

Nom.
Size

Description

SKU

BLJ-410-005

1/2"

1/2" x 1/2"

37985

BLJ-410-101

1/2"

1/2" x 3/4"

37986

COUPLINGS



Push x Push

Part Number

Nom.
Size

Description

SKU

BL-429-010

1"

1" x 1"

37676

BL-429-131

1"

1" x 3/4"

37677

BL-429-130

1"

1" x 1/2"

37685

BL-429-007

3/4"

3/4" x 3/4"

37376

BL-429-101

3/4"

3/4" x 1/2"

37377

BL-429-005

1/2"

1/2" x 1/2"

37976

ADAPTERS



Push x MPT

Part Number

Nom.
Size

Description

SKU

BL-436-010

1"

1" x 1"

37678

BL-436-131

3/4"

3/4" x 1"

37383

BL-436-007

3/4"

3/4" x 3/4"

37378

Push x FPT

BLA-075-BF-75

3/4"

3/4" x 3/4"

37379



Push x Soc

BL-474-010

1"

1" x 1"

37689

BL-474-131

3/4"

3/4" x 1"

37385

BL-474-007

3/4"

3/4" x 3/4"

37384



Push x MPT

BL-436-101

1/2"

1/2" x 3/4"

37975

BL-436-005

1/2"

1/2" x 1/2"

37974



Barb x Push

BL-1474-130

1"

1" x 1/2"

37902

BL-1474-101

3/4"

3/4" x 1/2"

37901

BL-FPA-050

1/2"

1/2" x 1/2"

37990



Push x Butress

HRM-100-UB-1x

1"

1" x 1"

03133

HRM-075-UB-1x

3/4"

3/4" x 3/4"

03134