

### BLU-LOCK®

For HDPE Pipe

#### Features

- Low insertion force makes installation fast
- Works with all HDPE pipe ASTM D2239 listed SIDR 15 100 psi and SIDR 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



fittings



#### 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:

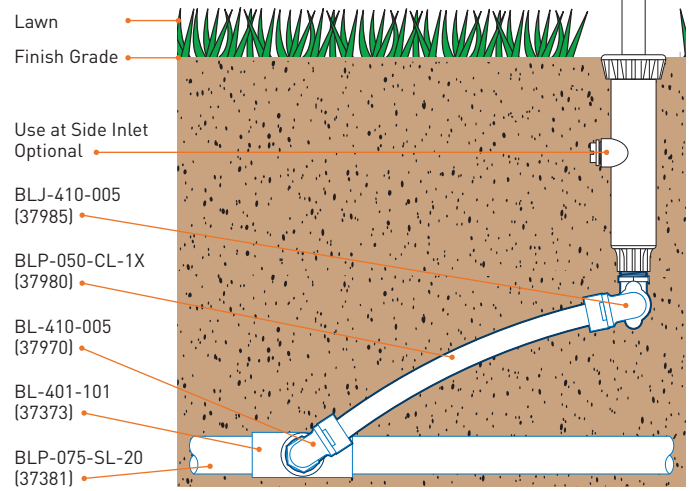
- Burst pressure: exceeds 250 psi (17.2 bar)
- Working pressure: 10-125 psi (0.69-8.6 bar)

##### 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

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

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### END CAPS



Push

Part Number	Nom. Size	Description	SKU
BL-447-010	1"	1"	37680
BL-447-007	¾"	¾"	37380

### TOOLS/ACCESSORIES



Release

Part Number	Nom. Size	Description	SKU
BL-RTL-100	1"	1"	37908
BL-RTL-075	¾"	¾"	37909
BLD-050-BX-50	½"	½" Blu-Lock Spigot	02602
BLB-CUT-25-1x	1"	1"	26113

### 100 Psi SIDR 15 PIPE



Straight

Part Number	Nom. Size	Description	SKU
BLP-100-SL-20	1"	1" x 20'	37681
BLP-075-SL-20	¾"	¾" x 20'	37381



Coil

BLP-100-CL-1x	1"	1" x 100'	37682
BLP-100-CL-3x	1"	1" x 300'	37692
BLP-075-CL-1x	¾"	¾" x 100'	37382
BLP-075-CL-3x	¾"	¾" x 300'	37388



Coil-Reclaimed

BLP-100-CR-1x	1"	1" x 100'	37698
BLP-100-CR-1x	¾"	¾" x 100'	37396

### SWING PIPE



Coil

Part Number	Nom. Size	Description	SKU
BLP-050-CL-1x	½"	½" x 100'	37980