

### 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:

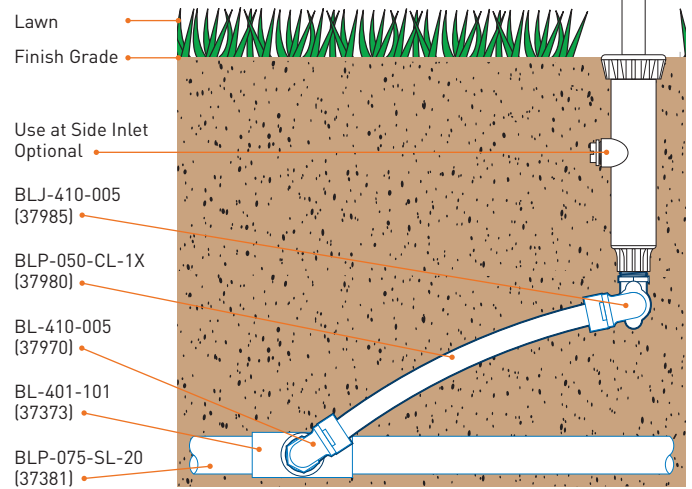
- Burst pressure: exceeds 250 psi (17.2 bar)
- Working pressure: 10-125 psi (0.69-8.6 bar)

##### 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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<b>TEES</b>		Part Number	Nom. Size	Description	SKU
	Push x Push x Push	BL-401-010	1"	1" x 1" x 1"	37670
		BL-401-131	1"	1" x 1" x 3/4"	37683
		BL-401-130	1"	1" x 1" x 1/2"	37672
		BL-401-007	3/4"	3/4" x 3/4" x 3/4"	37370
		BL-401-101	3/4"	3/4" x 3/4" x 1/2"	37373
	Bullhead	BL-401-005	1/2"	1/2" x 1/2" x 1/2"	37977
		BL-401-102	1"	3/4" x 3/4" x 1"	37684
		BL-401-075	1"	1/2" x 1/2" x 1"	37687
	Push x Push x FPT	BL-401-074	3/4"	1/2" x 1/2" x 3/4"	37387
		BL-402-130	1"	1" x 1" x 1/2"	37671
	Barb x Barb x Push	BL-402-101	3/4"	3/4" x 3/4" x 1/2"	37372
		BL-1401-130	1"	1" x 1" x 1/2"	37904
		BL-1401-101	3/4"	3/4" x 3/4" x 1/2"	37903

<b>ELBOWS</b>		Part Number	Nom. Size	Description	SKU
	Push x Push	BL-406-010	1"	1" x 1"	37673
		BL-406-007	3/4"	3/4" x 3/4"	37374
		BL-406-005	1/2"	1/2" x 1/2"	37987
	Push x FPT	BL-407-130	1"	1" x 1/2"	37675
		BL-407-101	3/4"	3/4" x 1/2"	37375
		BL-407-005	1/2"	1/2" x 1/2"	37972
	Push x MPT	BL-407-074	1/2"	1/2" x 3/4"	37973
		BL-410-005	1/2"	1/2" x 1/2"	37970
	Push x Street	BL-410-007	1/2"	1/2" x 3/4"	37971
		BL-409-005	1/2"	1/2" x Street	37979

<b>SWING ASSEMBLIES</b>		Part Number	Nom. Size	Description	SKU
	Street x Street	BLJ-050-SS-6X	1/2"	6" Swing Assembly	37604
		BLJ-050-SS-12	1/2"	12" Swing Assembly	37605