

## Expansion Joints Plumbing Solutions

Allows for the expansion and contraction of pipe due to temperature change and the shrinkage of building materials that the pipe is connected to.

### Materials

- Body: Injection molded in ABS (Black) and PVC (White)
- Seal: Nitrile Buna-N O-ring

### Applications

- For use in vertical DWV applications

### Log homes

- Ideal for straight pipe runs of 30ft (9.1m) or longer

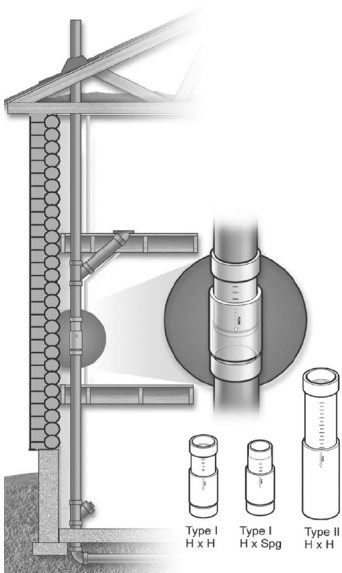
### Specifications

- Maximum test pressure: 14.5 PSI (30 Feet of Head)
- ABS expansion joint Maximum operating temperature 180° F
- PVC expansion joint Maximum operating temperature 140° F

### Features and Benefits:

- Type I expansion joints allows up to 3" (7.6cm) of travel
- Type II expansion joints allows up to 8" (20.3cm) of travel
- Flow direction and proper degree of extension indicate on expansion joint
- Removes stress caused by thermal expansion or contraction, which could cause premature failure of the plumbing system
- Made with durable ABS or PVC
- Easy solvent weld installation, eliminates the need for steel clamps that could pull apart
- Reliable and maintenance free
- Hub x Hub, or Hub x Spigot connections

Standards:



### Expansion Joint H x H

Material (Travel)	Size	Part Number
ABS Type 1 - 3"	1-1/2"	113811ABC
	2"	113812ABC
	3"	113813ABC
PVC Type 1 - 3"	1-1/2"	213811AWBC
	2"	213812AWBC
	3"	213813AWBC
ABS Type 11 - 8"	4"	113814ABC
PVC Type 11 - 8"	4"	213814AWBC

### Expansion Joint H x Spg End Piston

Material (Travel)	Size	Part Number
ABS Type 1 - 3"	1-1/2"	113811BBC
	2"	113812BBC
	3"	113813BBC

### Installation Instructions

1. Locate unit (plunger side up). Preferable beneath lowest fixture.
2. Push Plunger (inner section) until unit is 75% closed.
3. Pull plunger back out specified distance according to temperature at time of installation.

°F	°C	Distance
30	0	2.5" (65mm)
50	10	2.25" (55mm)
70	20	2" (50mm)
85	30	1.75" (45mm)

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