

# Installation Manual for the Flexible Joint

## ZEV-1000



### Installation Procedure

#### 1. Before installation

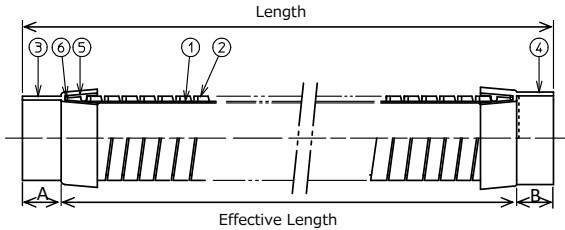


Table1 Parts List

No.	Name	Material
1	Inner tube	Soft PVC
2	Outer tube	Hard PVC
3	insertion socket	Hard PVC
4	Socket	Hard PVC
5	Rock ring	Hard PVC
6	Seal rubber	Synthetic rubber

- Please confirm whether the diameter is correct.
- Please confirm no damage, scratches or dents on the bonding surface

#### 2-1. Adhesive application and connection (Connection between PVC socket and ZEV-1000)

②PVC socket ①Insertion socket

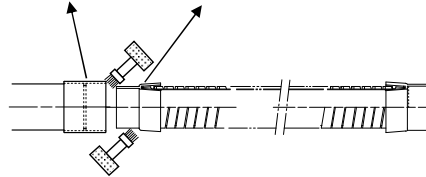


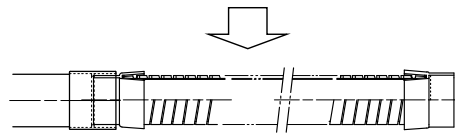
Table2  
Amount of insertion

Size	insertion
50	30 mm
75	40 mm
100	50 mm
125	70 mm
150	84.5 mm

Apply adhesive evenly to the following areas.

- ① Inner surface of PVC socket
- ② Outer surface of ZEV-1000 insertion socket

※Adhesive should be applied in the order of ① → ②.



After applying the adhesive, quickly insert it to the dimension position shown in Table 2 and hold it until it does not return. Wipe off any overflow of adhesive.

※ZEV-1000 mounting is directional. Please check the "upstream side" sticker attached to the end of the product before installation.

#### 2-2. Adhesive application and connection (Connection between PVC pipe and ZEV-1000)

②Socket ①PVC pipe

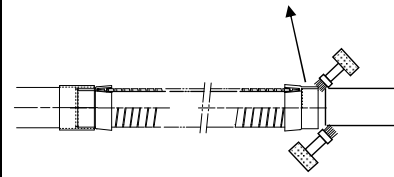


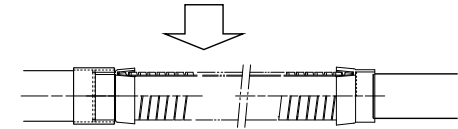
Table3  
Amount of insertion

Size	insertion
50	25 mm
75	40 mm
100	50 mm
125	65 mm
150	80 mm

Apply adhesive evenly to the following areas.

- ① Inner surface of ZEV-1000 socket
- ② Outer surface of PVC pipe

※Adhesive should be applied in the order of ① → ②.



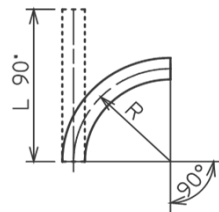
After applying the adhesive, quickly insert it to the dimension position shown in Table 3 and hold it until it does not return. Wipe off any overflow of adhesive.

※ZEV-1000 mounting is directional. Please check the "upstream side" sticker attached to the end of the product before installation.

#### Standard dimension

Size	Effective Length	Insertion allowance		Length L	Maximum length
	ℓ	A	B		
50	400	25	30	455	4000
75	500	40	40	580	4000
100	600	50	50	700	4000
125	800	60	70	930	4000
150	1000	80	84.5	1164.5	4000

#### Bending radius and effective length required for 90° bending



Size	Required length L 90°	Bending radius R
50	510+15	320 and over
75	770+25	490 and over
100	930+30	590 and over
125	1030+40	650 and over
150	1200+50	760 and over

- This product is for rainwater and drainage only. Do not use this product for piping where pressure is generated.
- Install in accordance with the "upstream side" affixed to the product.
- Before installing the adhesive connection, check the compatibility of the product with the pipe or fitting to be connected.
- When burying, remove debris, crushed stones, or anything else that could damage the main body. Do not damage the main body when compacting soil.
- Do not install in a compressed or pulled condition or apply excessive bending.
- The outer diameter of the PVC pipe to be inserted into the receiving socket must be within the minus tolerance shown in the table at right.

Size	PVC pipe outer diameter	
	Standard dimension	Tolerance
50	60	-0.2
75	89	-0.3
100	114	-0.3
125	140	-0.4
150	165	-0.5