

Installation Manual for Flexible Joint

ZEV-1000



Installation Procedure

1. Before installation

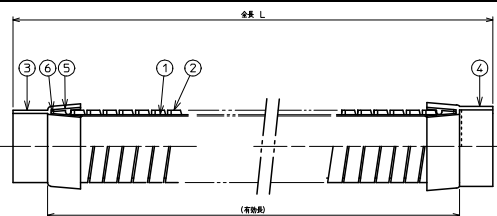


Table 1 part List

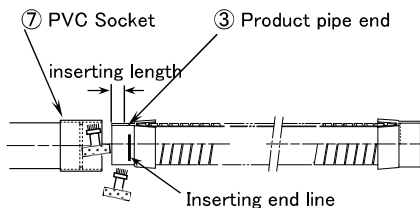
No.	Name	Material
1	Inner tube	Soft PVC
2	Outer tube	Hard PVC
3	Receiving socket	Hard PVC
4	Inserting socket	Hard PVC
5	Lock ring	Hard PVC
6	Packing	EPDM

Table 2 Dimension Table

Size	Effective	Socket length		Product Length(mm)	
	Length(mm)	Receiving	Inserting	Minimum	Maximum
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

- Prepare suitable size of socket to ZEV-1000.
- Check the sealing surface of both ZEV-1000 and socket and confirm there are any damages at all.

2-1. Application of the adhesive and connection (PVC Socket to ZEV-1000 connection)



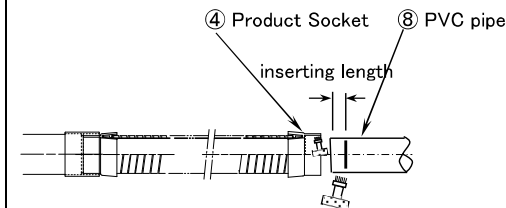
- 1) Mark the line on pipe end according to table 3 inserting length
- 2) Put the adhesive for PVC evenly on both outer surface of product pipe end and inner surface of socket. Keep the putting order of pipe end 1st and then socket
- 3) After putting the adhesive, insert the pipe end into socket as soon as possible. And check there is enough inserting length. Point : Inseting end line shall be completely disclosed.

Table 3 Minimum inserting length

Size	Min. inseting length
50	25
75	35
100	45
125	65
150	75



2-2. Application of the adhesive and connection (PVC Pipe to ZEV-1000 connection)



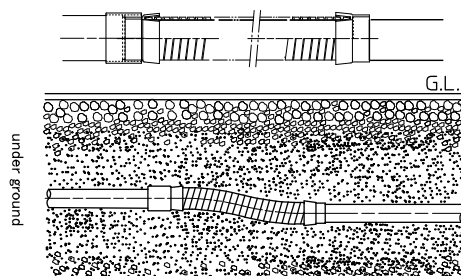
- 1) Mark the line on pipe end according to table 4 inserting length
- 2) Put the adhesive for PVC evenly on both outer surface of PVC pipe end and inner surface of product socket. Keep the putting order of pipe end 1st and then socket
- 3) After putting the adhesive, insert the pipe end into socket as soon as possible. And check there is enough inserting length. Point : Inseting end line shall be completely disclosed.

Table 4 Minimum inserting length

Size	Min. inseting length
50	23
75	37
100	47
125	62
150	75



Installation sample



Minimum Bending Radius and Required Product

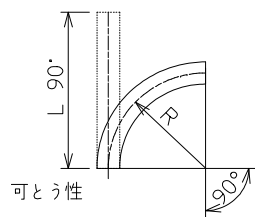


Table 5

Size	Bending Radius	Required length
	R (mm)	L _{90°} (mm)
50	more 320	510+15
75	more 490	770+25
100	more 590	930+30
125	more 650	1030+40
150	more 760	1200+50

※L_{90°} means the required product length in case of rectangular bend

NOTES

- 1) This product shall be used only for none pressured liquid like waste water and rain water, and refrained from using for pressured pipe line.
- 2) Don't install the product under extended condition.
- 3) Don't bend too small radius under the figure in table 5 or compress the product to the point where changing shape like ellipse.
- 4) Don't apply hot water more than 40°C.
- 5) Pay attention not to damage the product by the sharps like nail or nife.