

# C-PVC PIPE & FITTINGS

● JIS K 6776 (pipe), JIS K 6777 (fittings) and AV standard.



## FEATURES

### High Heat Resistance

Being made of C-PVC, the super pipe and fitting withstand high temperatures up to 90°C. (195 °F)

### High Chemical Resistance

Being made of C-PVC, the super pipe and fitting are highly resistant to chemicals.

### Easy to Install

The super pipe and fitting are easy to install because the Socket method can be used for connecting.

### Available in Various Types of Fittings

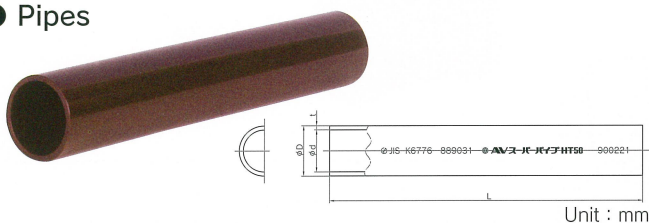
## WORKING PRESSURE VS. TEMPERATURE

Nominal Size (mm (inch))	MPa (kgf/cm <sup>2</sup> )					
	5 - 30°C	31 - 40°C	41 - 60°C	61 - 70°C	71 - 80°C	81 - 90°C
13 - 50 (3/8 - 2)	1.0{10.2}	0.6{6.1}	0.4{4.1}	0.2{2.0}	0.2{2.0}	0.2{2.0}
65 - 150 (2 1/2 - 3)	1.0{10.2}	0.8{8.2}	0.6{6.1}	0.4{4.1}	0.2{2.1}	0.2{2.0}
200 (8)	0.7{7.1}	0.4{4.1}	0.2{2.0}	0.1{1.0}	0.05{0.5}	

## APPLICATIONS

Being highly heat and chemical resistant and offering high heat insulation performance, c-pvc pipe and fitting are suitable for piping for water supply, air-conditioning, hot springs and chemical media.

### Pipes

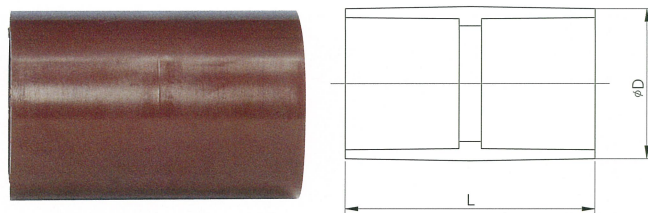


Unit : mm

Nomal Size	D			t		L		d	Weight (kg / m)
	OD	Max	Average	Basic Dimension	Tolerance	Basic Dimension	Tolerance		
☆ 13	18	± 0.20	± 0.20	2.5	± 0.2	4000	± 30	13	0.180
☆ 16	22	± 0.20	± 0.20	3.0	± 0.3			16	0.265
☆ 20	26	± 0.20	± 0.20	3.0	± 0.3			20	0.321
☆ 25	32	± 0.20	± 0.20	3.5	± 0.3			25	0.464
☆ 30	38	± 0.30	± 0.20	3.5	± 0.3			31	0.561
☆ 40	48	± 0.30	± 0.20	4.0	± 0.3		40	0.818	
☆ 50	60	± 0.40	± 0.20	4.5	± 0.4		51	1.161	
65	76	± 0.50	± 0.30	4.5	± 0.4		67	1.506	
75	89	± 0.50	± 0.30	5.9	± 0.4		77	2.294	
100	114	± 0.60	± 0.40	7.1	± 0.5		100	3.552	
125	140	± 0.80	± 0.50	7.5	± 0.5	125	4.651		
150	165	± 1.00	± 0.50	9.6	± 0.7	146	6.982		
● 200	216	± 1.30	± 0.70	11.0	± 0.7	194	10.554		

☆ JIS K 6776 ● Special Fitting Dimension

### Socket

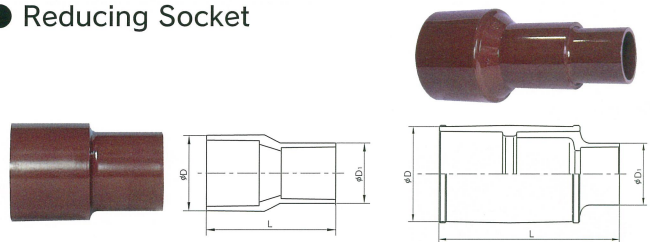


Unit : mm

Nomal Size	D	L
☆ 13	26	49
☆ 16	29	59
☆ 20	34	71
☆ 25	41	82
☆ 30	46	89
☆ 40	56	99
☆ 50	69	109
65	87	145
75	102	155
100	130	200
125	157	231
150	186	300
● 200	236	300

☆ JIS K 6777 ● Special Fitting Dimension

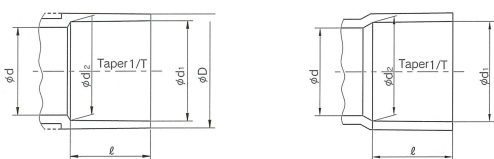
### Reducing Socket



Unit : mm

Nomal Size	D	D <sub>1</sub>	L	Nomal Size	D	D <sub>1</sub>	L
☆ 16 × 13	29	26	53.0	☆ 65 × 30	87	46	194.0
☆ 20 × 13	34	26	61.5	☆ 65 × 40	87	57	205.0
☆ 20 × 16	34	29	66.0	☆ 65 × 50	87	70	149.0
☆ 25 × 13	41	26	73.0	☆ 75 × 40	102	57	221.0
☆ 25 × 16	41	29	76.0	☆ 75 × 50	102	70	165.0
☆ 25 × 20	41	34	80.5	☆ 75 × 65	102	87	163.0
☆ 30 × 13	46	26	75.0	☆ 100 × 40	130	57	246.0
☆ 30 × 20	46	34	85.0	☆ 100 × 50	130	70	252.0
☆ 30 × 25	46	41	90.0	☆ 100 × 65	134	87	250.0
☆ 40 × 20	56	34	98.0	☆ 100 × 75	134	102	190.0
☆ 40 × 25	56	41	100.0	☆ 125 × 75	157	102	296.0
☆ 40 × 30	56	46	97.0	☆ 125 × 100	157	130	316.0
☆ 50 × 25	69	41	110.0	☆ 150 × 75	186	102	365.0
☆ 50 × 30	69	46	110.0	☆ 150 × 100	186	130	385.0
☆ 50 × 40	69	56	110.0	☆ 150 × 125	186	157	404.0

☆ JIS K 6777 ● Combination Type

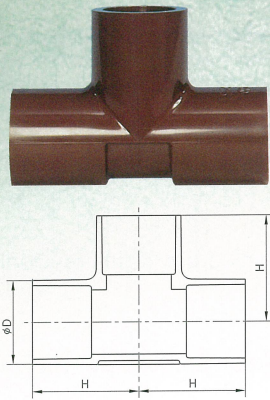


Unit : mm

Nomal Size	d <sub>1</sub>		1/ T	ℓ		d <sub>2</sub>		d	D	
	Basic Dimension	Tolerance		Basic Dimension	Tolerance	Basic Dimension	Tolerance		Basic Dimension	Tolerance
13	18.30	± 0.20	—	22	± 4	17.55	± 0.25	14	26	- 0
16	22.35	± 0.20	—	27	± 4	21.55	± 0.25	17	29	- 0
20	26.35	± 0.20	—	33	± 4	25.50	± 0.25	21	34	- 0
25	32.50	± 0.30	—	38	± 4	31.40	± 0.35	26	41	- 0
30	38.50	± 0.30	—	42	± 4	37.45	± 0.35	34	46	- 0
40	48.50	± 0.30	—	47	± 4	47.45	± 0.35	40	56	- 0
50	60.50	± 0.30	—	52	± 4	59.45	± 0.35	50	69	- 0
65	76.60	± 0.30	1/48	61	+4 -0.5	—	—	67	87	- 1.5
75	89.60	± 0.30	1/49	64	+4 -0.5	—	—	77	102	- 1.5
100	114.70	± 0.30	1/56	84	+4 -0.5	—	—	100	130	- 1.8
125	140.80	± 0.30	1/58	104	+4 -0.5	—	—	125	157	- 1.8
150	166.00	± 0.40	1/63	132	+4 -0.5	—	—	146	186	- 2



● Tee

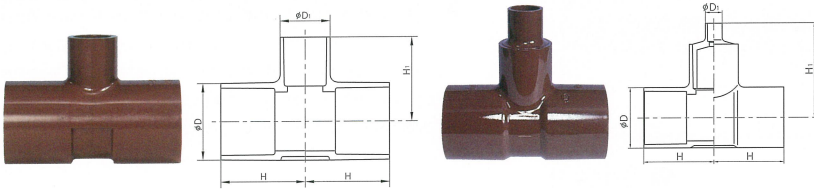


Unit : mm

NomalSize	D	H
☆ 13	26	34
☆ 16	29	41
☆ 20	34	53
☆ 25	41	58
☆ 30	46	64
☆ 40	56	75
☆ 50	69	87
65	87	110
75	102	120
100	130	152
125	157	187
150	186	230

☆ JIS K 6777

● Reducing Tee

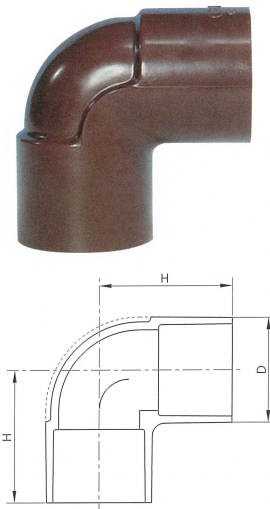


Unit : mm

NomalSize	D	D <sub>1</sub>	H	H <sub>1</sub>	NomalSize	D	D <sub>1</sub>	H	H <sub>1</sub>
☆ 16 × 13	29	26	39	36	• 65 × 16	87	29	100	137
☆ 20 × 13	34	26	45	38	• 65 × 20	87	33	100	142
☆ 20 × 16	34	29	47	43	• 65 × 25	87	40	100	147
☆ 25 × 13	41	26	49	41	• 65 × 30	87	46	100	150
☆ 25 × 16	41	29	52	46	65 × 40	87	57	95	95
☆ 25 × 20	41	34	54	52	65 × 50	87	70	100	105
☆ 30 × 13	46	26	54	44	• 75 × 20	102	33	105	147
☆ 30 × 16	46	29	56	49	75 × 25	102	40	93	88
☆ 30 × 20	46	34	58	55	• 75 × 30	102	46	105	155
☆ 35 × 25	46	41	60	60	75 × 40	102	56	100	102
☆ 40 × 13	56	26	62	49	75 × 50	102	70	105	110
☆ 40 × 16	56	29	63	54	• 100 × 20	130	33	125	159
☆ 40 × 20	56	34	65	60	• 100 × 25	130	40	125	164
☆ 40 × 25	56	41	68	65	• 100 × 30	130	46	125	167
☆ 40 × 30	56	46	72	69	• 100 × 40	130	57	125	178
☆ 50 × 13	69	26	69	55	100 × 50	130	70	125	122
☆ 50 × 16	69	29	70	60	100 × 75	130	102	140	132
☆ 50 × 20	69	34	72	70	125 × 75	157	102	161	147
☆ 50 × 25	69	41	75	75	125 × 100	157	130	175	167
☆ 50 × 30	69	46	79	75	150 × 75	186	102	195	158
☆ 50 × 40	69	56	82	80	150 × 100	186	130	208	182
65 × 13	87	24	100	135	150 × 125	186	157	218	202

☆ JIS K 6777  
• Combination Type

● Elbow

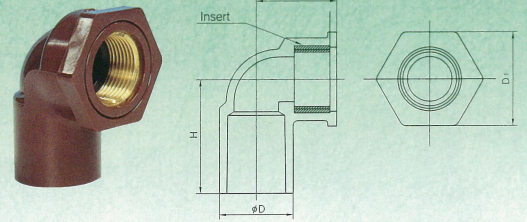


Unit : mm

NomalSize	D	H
☆ 13	26	34
☆ 16	29	41
☆ 20	34	53
☆ 25	41	58
☆ 30	46	64
☆ 40	56	74
☆ 50	69	85
65	87	110
75	102	120
100	130	155
125	157	188
150	186	228
● 200	236	265

☆ JIS K 6777  
● Special Fitting Dimension

● Faucet Elbow

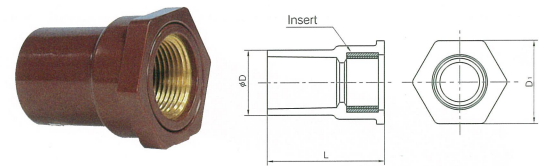


Unit : mm

NomalSize	D Min	H	Thd	D <sub>1</sub>	H <sub>1</sub>
☆ 13	26	35	Rp1/2	35	29
☆ 16	29	42	Rp1/2	35	33
☆ 20	34	51	Rp3/4	44	36
☆ 25	41	60	Rp1	54	40
20 × 13	33	47	Rp1/2	34	33

☆ JIS K 6777

● Faucet Socket

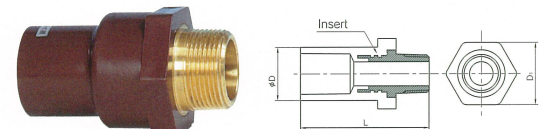


Unit : mm

NomalSize	D Min	Thd	D <sub>1</sub>	L
☆ 13	26	Rp1/2	35	47
☆ 16	29	Rp1/2	35	52
☆ 20	34	Rp3/4	44	61
☆ 25	41	Rp1	54	69
20 × 13	33	Rp1/2	34	57

☆ JIS K 6777

● Valve Socket



Unit : mm

NomalSize	D Min	Thd	L	D <sub>1</sub> Min
☆ 13 × 1/2	26	R 1/2	64	34
☆ 16 × 1/2	29	R 1/2	70	34
☆ 20 × 3/4	34	R 3/4	85	40
☆ 25 × 1	41	R 1	99	45
☆ 30 × 1 1/4	46	R 1 1/4	109	62
☆ 40 × 1 1/2	56	R 1 1/2	114	68
☆ 50 × 2	69	R 2	132	84

☆ JIS K 6777

● Welding Rod

