

CPVC SCH80 HIGH PRESSURE PIPING SYSTEM

PRODUCT INTRODUCTION

Chlorinated polyvinyl chloride(CPVC) is a unique polymer after polyvinyl chloride chlorination. Ordinary PVC molecular chlorine content is 45%, the chlorinated polyvinyl chloride(CPVC) molecules chlorine content is about 64% to 68%, up to more than 70%.
CPVC tensile capacity is higher than the UPVC, PPPP-B, PP-R H, PB, HDPE, PE, PE-X RT, etc.; its thermal expansion coefficient is lower than the PP, PE, PB; thermal conductivity is lower than that of PP PE, PB and metal pipe; the temperature resistance and resistance to deformation ability is better than that of PP UPVC, ABS and HDPE.
CPVC compounds, which be used in extruded or molded for pipes and fittings, match the standard ASTM D1784. CPVC SCH80 pipes can match the standard ASTM F441. CPVC SCH80 threaded fittings can match the standard ASTM F437. CPVC SCH80 socket fittings can match the standard ASTM F439.

FEATURES OF PRODUCT

- **Safety and Health:**
  The extremely low rate of harmful bacteria breeding is superior to drinking water hygiene standard.
- **Flame Retardant:**
  Limited oxygen index of CPVC material is 60%. The minimum ignition temperature is 482℃. No dropping fire, very low smoke rate and no poisonous gas.
- **Corrosion Resistant:**
  CPVC material has strong resistance to acid and alkali, which can be used for delivering liquid of chemical.
- **Low Thermal Expansion Coefficient:**
  CPVC material has low coefficient of thermal expansion.
- **Pressure Rating:**
  The minimum burst strength of 1/2"pipe are 18 Mpa, at the condition of 73F water.
- **Long Service Life:**
  CPVC material has strong antioxidant and aging resistance performance than other material in utilization.

FIELDS OF APPLICATION

Hot and cold water applications in homes,apartments,hotels,resorts,hospitals,high and low rising buildings,corporate and commercial houses,academic institutes etc

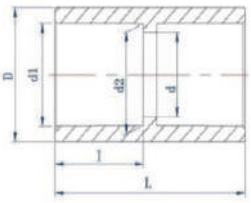
Piping networks for pure water,drinking water and food processing plant

Piping networks for transferring liquid in chemical manufacturing plant,pulp or paper plant

Piping networks for transferring liquid in waste water treatment plant

Piping networks for transferring liquid in metal treating or electroplating plant

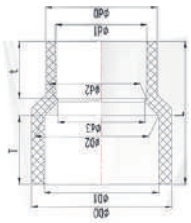




A020101 Coupling

Size	d1	d2	l	d	L
1/2"	21.54	21.23	24	16	50.2
3/4"	26.87	26.57	27	22	56
1"	33.65	33.27	30	30	62.5
1-14*	42.42	42.04	33	38	68.5
1-1/2*	48.56	48.11	36	44	74.5
2"	60.63	60.17	39	54	80.5
2-1/2*	73.38	72.85	46.5	67	97
3"	89.31	88.7	49	82	103
4"	114.76	114.10	59	106	123
6"	168.83	168	79	158	169
8"	219.84	218.7	102	200	220
10"	273.81	272.67	130	240	270
12"	324.61	323.47	155	290	320

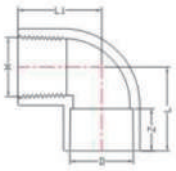




A020102 Reducing Coupling

Size	DO	D1	D2	d0	d1	d2	d3	t	T	L
3/4"*1/2"	36.9	26.87	26.57	30.50	21.54	21.23	21.23	23.22	26.40	58.60
1"*1/2"	44.7	33.66	33.27	30.50	21.54	21.23	21.23	23.22	29.57	65.10
1*3/4"	44.7	33.66	33.27	36.90	26.87	26.57	26.57	26.40	29.57	66.30
1-1/4*1/2"	54	42.42	42.04	30.50	21.54	21.23	21.23	23.22	32.75	72.68
1-1/4" *3/4"	54	42.42	42.04	36.90	26.87	26.57	26.57	26.40	32.75	73.80
1-1/4*1"	54	42.42	42.04	44.70	33.66	33.27	33.27	29.57	32.75	73.80
1-1/2"*3/4"	60.60	48.56	48.11	36.90	26.87	26.57	26.57	26.40	35.93	80.00
1-1/2*1"	60.6	48.56	48.11	40.70	33.66	33.27	33.27	29.57	35.93	80.00
1-12**1-1/4"	60.6	48.56	48.11	54.00	42.42	42.04	42.04	32.75	35.93	78.70
2"*1"	73.1	60.63	60.17	44.70	33.66	33.27	33.27	29.57	39.10	88.20
2"*1-1/4"	73.1	60.63	60.17	54.00	42.42	42.04	42.04	32.75	39.10	88.20
2"*1-1/2"	73.1	60.63	60.17	60.63	48.56	48.11	48.11	35.93	39.10	88.50
10"*8"	305	273.81	272.67	273.81	219.84	218.69	218.69	102.60	128.00	269.75

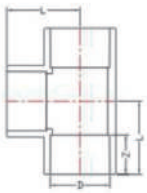




A020103 90° Elbow

Size	D	L	Z	L1	M
1/2"	29.7	36.4	24	36.4	1/2"
3/4"	35.4	42.7	27	42.7	3/4"
1"	43.2	49.1	30	49.1	1

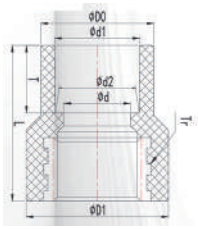




A020104 Tee

Size	D	L	Z
1/2"	21.34	36.50	24. 00
3/4"	26.67	42.50	27.00
1"	33.40	49.50	30.00
1-1/4"	42.16	56.00	33.00
1-1/2"	48.26	63.00	36. 00
2"	60.32	73.50	39.00
2-1/2"	73.02	86.50	46.00
3"	88.90	100.00	49.00
4"	114.30	124.00	59.00

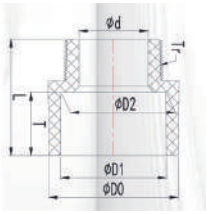




A020105 Female Thread Adaptor

Size	DO	D1	d1	d2	T	d	L	Tr
15	26.90	34.00	20.30	19.95	16.20	16.00	37.20	1/2"
20	32.60	39.50	25.30	2495	18.70	21.00	40.70	3/4"
25	40.10	46.50	32.30	31.90	22.20	28.00	47.90	1"

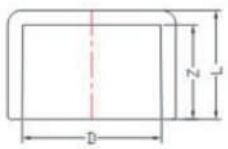




A020106 Male Thread Adaptor

Size	DO	D1	D2	d	T	L	Tr
1/2"	29.55	21.54	21.23	11.30	23.22	41.50	1/2"
3/4"	35.30	26.87	25.57	16.00	26.40	45.90	3/4"
1"	43.66	33.66	33.27	21.35	29.57	51.50	1"
1-1/4"	50.00	42.42	42.04	28.80	32.75	56.80	1-1/2"
1-1/2"	59.85	48.56	48.11	32.50	35.95	61.50	1-1/2"
2"	72.25	60.63	60.17	41.30	39.10	71.00	2"
2-1/2"	88.00	73.38	72.85	55.80	45.45	82.00	2-1/2"
3"	105.45	89.31	88.70	57.30	48.63	88.65	3"
4"	132.00	114.75	114.07	91.60	58.15	104.65	4"

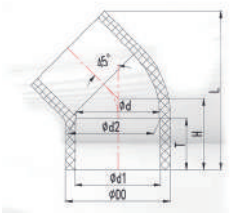




A020107 End Cap

Size	D	L	Z
1/2"	21.34	34.00	24. 00
3/4"	26.67	37.00	27.00
1"	33. 40	40.00	30. 00
1-1/4"	42.16	43.00	33.00
1-1/2"	48.26	46.00	36. 00
2"	60.32	53.00	39. 00
2-1/2"	73.02	61. 00	46.00
3"	88.90	66. 00	49.00
4"	114.30	67.50	59.00

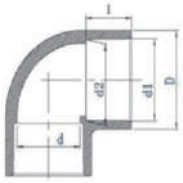




A020108 45° Elbow

Size	DO	d1	d2	d	T	H
1/2"	30.50	21.54	21.23	17.00	23.22	29.72
3/4"	35.27	26.87	26.57	22.50	26.40	34.40
1"	43.66	33. 66	33.27	29. .00	29.57	37.58
1-1/4"	53.02	42.42	42.04	38. .00	32. 75	42. 75
1-1/2"	59.86	48.56	48.11	43.00	35. 93	47.93
2"	72.22	60. 63	60.17	55.00	39.10	55.10
2-1/2"	88. 00	73. 38	72.85	67.50	45.45	63.50
3"	105.30	89.31	88. 70	83., 00	48.63	68.63
4"	132.00	114.76	114.07	106.00	58.15	84.15
5"	161.90	141.81	141.04	133.00	67.68	104.55
6"	190.90	168.83	168.00	160.00	77.20	122.20
8"	245.90	219.84	218.69	208. 00	102.60	153.80
10"	305.20	273.80	272.67	262.50	128.00	1 88.00
12"	358.15	324.60	323.47	311.00	164. 30	242.80
14"	394.11	355.94	354.33	331.50	200. 00	270.94
16"	450	407.19	405.33	363.8	230.66	306.81

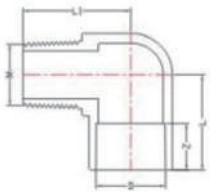




A020109 90° Female Thread Elbow

Size	d1	d2	I	d	D
1/2"	21.54	21.23	24	16	26
3/4"	26.87	26.57	27	22	30
1"	33.65	33.27	30	30	36
1-1/4"	42.42	42.04	34	38	46
1-1/2"	48.56	48.11	37	44	54
2"	60.63	60.17	41	54	64
2-1/2"	73.38	72.85	46.5	67	78
3"	89.31	88.7	50	82	94
4"	114.76	114.10	60	106	118
6"	168.83	168	79	158	178
8"	219.84	218.7	102	200	230
10"	273.81	272.67	130	240	290
12"	324.61	323.47	155	290	350





A020110 90° male Thread Elbow

Size	D	L	Z	L1	M
1/2"	29.70	36.40	24.00	36.00	1/2"
3/4"	35.40	42.70	27.00	42.00	3/4"
1"	43.20	49. 10	30.00	49.00	1"

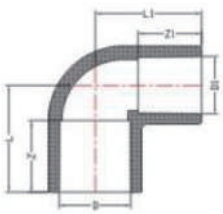




A020112 Reducing Tee

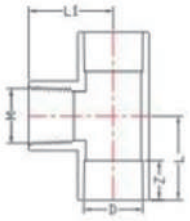
Size	D	L	Z	D1	L1	Z1
3/4"X1/2"	26.67	39.50	27.00	21.34	39.00	24. 00
1X1/2"	33.40	42.50	30.00	21.34	42.00	24.00
1X3/4"	33.40	45.50	30.00_	26.67	45. 50	27
1-1 4*X3/4"	42.16	48.50	33.00	26.67	50.00	27.00
1-14X1"	42.16	51.50	33.00	33.40	53.00	30. 00
1-1/2"X1"	48.26	56.00	36.00	33.40	57.50	30. 00
1-1/2"X1-1/4"	48.26	61.00	36.00	42.16	61.00	33. 00
2"X1-1/4"	60.30	64.00	39.00	42.16	67.00	33. 00
2"X1-1/2"	60.32	64.00	39.00	48.26	70.00	36. 00
2-1/2"X1-1/2"	73.02	74.00	46. 00	48.26	76.50	36. 00
2-1/2"X2"	73.02	80.00	46. 00	60. 32	79.50	39. 00
3"X2"	88.90	83.00	49.00	60. 32	87.50	39. 00
3"X2-1/2"	88.90	89. 50	49. 00	73.02	107. 00	46. 00
4"X2-1/2"	114.30	99.50	59. 00	73.02	107.00	46. 00
4"X3"	114.30	107.50	59. 00	88.90	110. 00	49.00





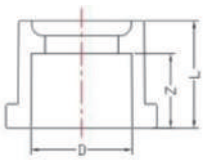
A020111 90° Female Thread Reducing Elbow

Size	D	L	Z	D1	L1	Z1
3/4X1/2"	26.67	40.00	27.00	21.34	40.00	24.00
1"X1/2"	33.4	42.50	30.00	21.34	42.50	24.00
1"X3/4"	33.4	45.5	30	26.67	45.5	27

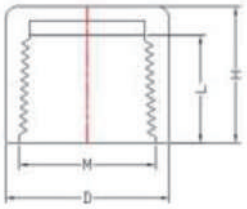
A020113 Female Thread Tee

Size	D	L	Z	Z	M
3/4X1/2"	29.7	36.5	24	36.5	1/2"
1"X1/2"	35.4	42	27	42	1/2"
1"X3/4"	43.2	48	30	48	3/4"

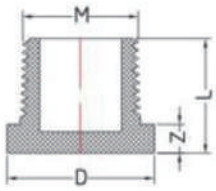
A020114 Reducing Bushing

Size	D	L	Z
3/4"X1/2"	21.34	34	24
1"X3/4"	26. 67	37	27
1-1/4X1"	33.4	40	30
1-1/4"X1"	42.16	43	33
1-1/2"X1-1/4"	48.26	46	36
2"X1-1/2"	60. 32	53	39
2-12"X2"	73.02	61	46
4"X3"	88.9	66	49

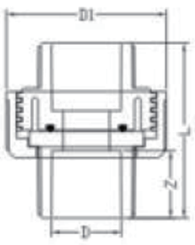
A020115 Female Thread End Cap

Size	D	L	Z	M
1/2"	29. 7	30.5	24	1/2"
3/4"	35.4	33.5	27	3/4"
1"	43.2	37	30	1"

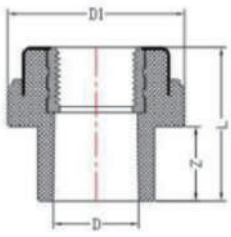
A020116 Male Thread Plug

Size	D	L	Z	M
1/2"	27	23.8	5	1/2"
3/4"	32.5	25.4	6	3/4"
1"	39	31.8	6	1"
1-1/4"	54	32	6	1-1/4"
1-1/2"	60	32	6	1-1/2"
2"	76	34	6	2"
2-1/2"	83.5	49	8	2-1/2"
3"	103.5	51	10	3"
		54.5	12	4"

A020117 Union

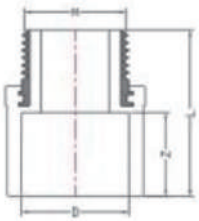
Size	D	L	Z	D
1/2"	21. 34	54	24	48.5
3/4"	26.67	60	27	56.2
1"	33.4	68	30	64
1-1/4"	42.16	76	33	75. 7
1-1/2"	48.26	84	36	83.4
2"	60.32	93	39	98.3

A020118 Female Adaptor

Size	D	L	Z	M
1/2"X1/2"	21.34	19	24	45
1/2"X3/4"	21.34	19	24	45
3/4"X3/4"	26.67	21	27	45
3/4"X1/2"	26.67	21	27	45
1"X1"	33.4	26	30	49.5
1"X3/4"	33.4	26	30	49.5

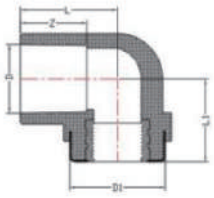




A020119 Male Adaptor

Size	D	L	Z	M
1/2"	21.34	45	24	1/2"
3/4"	26.67	51	27	3/4"
1"	33.4	53	30	1"
1-1/4"	42. 16	62	33	1-1/4"
1-1/2"	48.26	66	36	1-1/2"
2"	60.32	74	39	2





A020120 Female Thread Elbow

Size	D	L	Z	D1	L1
1/2"x1/2"	21.34	29	24	42.5	28
1/2"x3/4"	21.34	29	24	42.5	28
3/4"X3/4"	26.67	31	27	42.5	29.5
3/4"x1/2"	26.67	31	27	42.5	29.5

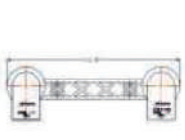


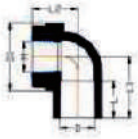


A020121 Female Tee

Size	D	L	Z	D1	L1
1/2"x1/2"	21 .34	34	24	42.5	34
1/2"x3/4"	21 .34	34	24	42.5	34
3/4"X3/4"	26.67	37	27	42.5	36.5
3/4"x1/2"	26.67	37	27	42.5	36.5







A020122 Double Female Elbow

Size	D	D1	L	L1	L2	L3	M
1/2"	1.34	42	22.5	37.5	27.8	190.5	1/2"