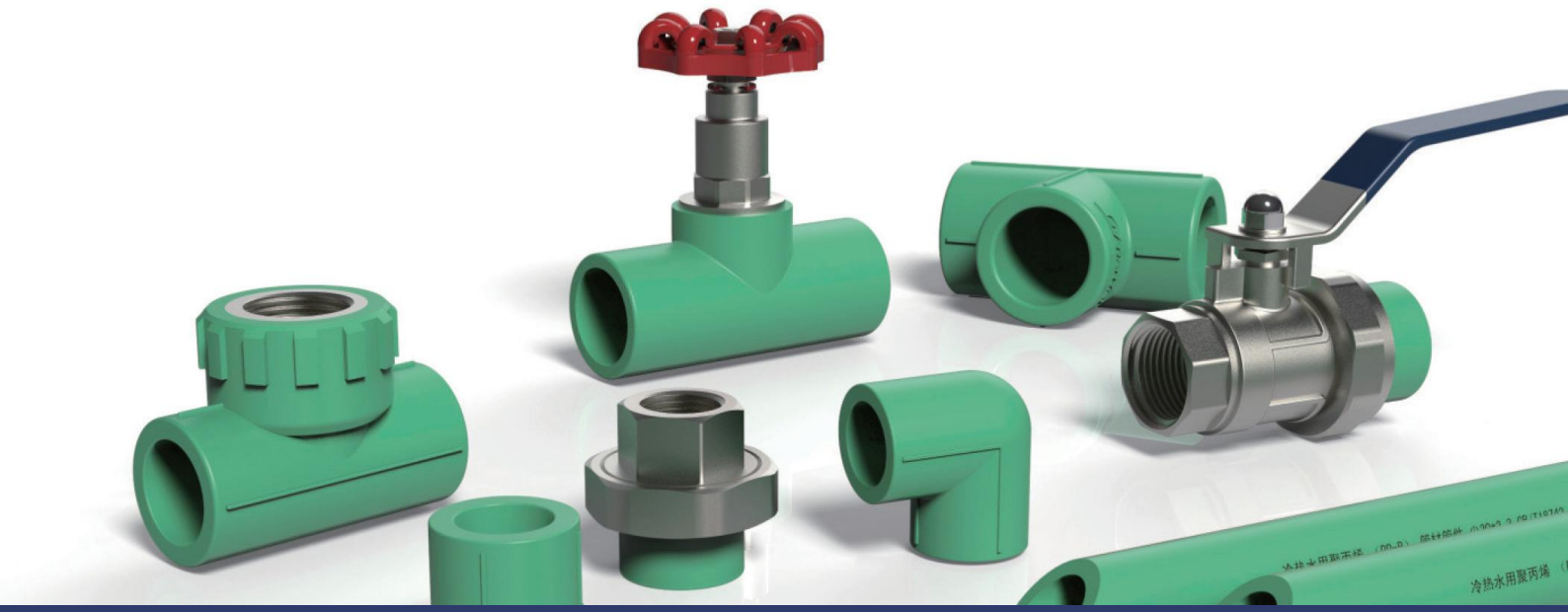


PP–R HOT/COLD WATER PRESSURE PIPING SYSTEM

PRODUCT INTRODUCTION

PP-R pipe is a new generation of environment-friendly construction material developed in 1990s. Besides plastic pipe merits-such as lightness, corrosion resistance, anti-deposition and long service life, PP-R pipe also have some new advantages, like hygienism, heat- resistant, material recycled. In the meanwhile, lower coefficient of heat conductivity can help for energy conservation. The usage of thermosol binding technique can make the process of installation very convenient.

Qualified raw material, from Korea, was used for TOMEX PP-R piping networks. The performance standard of PP-R products can match DIN8077 & DIN8078 or GB/T18742.

FEATURES OF PRODUCT

- **Long Service Life:**
  A PN20 water pipe, transporting water at 30℃ can last for more than 50 years, under normal conditions with an operating pressure of 21.8 bars.
- **Hygienism and Non-toxic:**
  The material is a new type environmental building material, which can be used in pure water piping system.
- **Heat-resistant:**
  Under 9.7 bars pressure and 95℃ hot water, the PN25 hot water pipe can continue to work one year.
- **Corrosion-resistant:**
  For most of the ions in the water and chemical substances in the building, there is not chemical reaction, no rust and no corrosion with PP-R piping system.
- **Thermal Insulation and Energy Conservation:**
  The thermal conductivity coefficient is only 1/200 of the metal pipe.

FIELDS OF APPLICATION

Piping networks for cold and hot water transport in residential and commercial buildings, hospitals, hotel, offices, school buildings, shipbuilding etc.

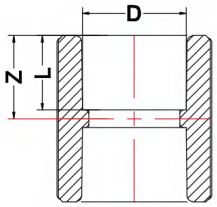
Piping networks for air-condition system.

Piping networks for rainwater utilization system.

Piping networks for solar plants.

Piping networks for swimming pools facilities.

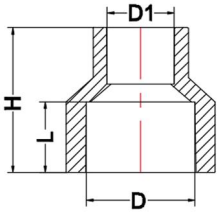




A110101 Socket

size	D	L	Z
20	19	16.5	35
25	23.8	18.5	39
32	31	20.5	43
40	38.7	22.5	48
50	48.7	25.5	54
63	61.6	29.5	62
75	73.2	32.5	68
90	87.8	36.5	76
110	107.3	43.5	89

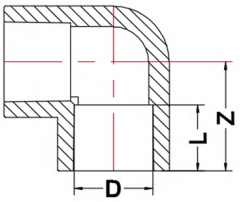




A110102 Reducer

size	D	D1	L	H
25X20	23. 8	19	18.5	39
32X20	31	19	20.5	41
32X25	31	23.8	20.5	43
40X20	38.7	19	22.5	45
40X25	38.7	23.8	22.5	47
40X32	38.7	31	22.5	49
50X20	48.7	19	25.5	47
50X25	48.7	23.8	25.5	49
50X32	48.7	31	25.5	51
50X40	48.7	38.7	25.5	54
63X25	61.6	23.8	29.5	52
63X32	61.6	31	29.5	54
63X40	61.6	38.7	29.5	56
63X50	61.6	48.7	29.5	59
75X40	73.2	38.7	32.5	60
75X50	73.2	48.7	32.5	63
75X63	73.2	61.6	32.5	67
90X50	87.8	48.7	36.5	68
90X63	87.8	61.6	36.5	72
90X75	87.8	73.2	36.5	75
110X63	107.3	61.6	43.5	79
110X75	107.3	73.2	43.5	82
110X90	107.3	87.8	43.5	86

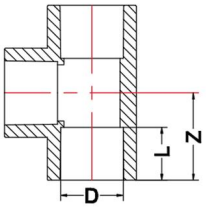




A110103 Elbow

size	D	L	Z
20	19	16.5	27
25	23.8	18.5	32
32	31	20.5	38
40	38.7	22.5	44
50	48.7	25.5	52
63	61.6	29.5	63
75	73.2	32.5	72
90	87.8	36.5	83
110	107.3	43.5	100

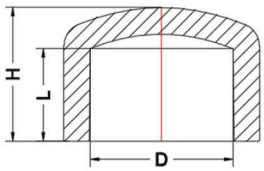




A110104 Tee

size	D	L	Z
20	19	16.5	27
25	23.8	18.5	32
32	31	20.5	38
40	38.7	22.5	44
50	48.7	25.5	52
63	61.6	29.5	63
75	73.2	32.5	72
90	87.8	36	583
110	107.3	43.5	100

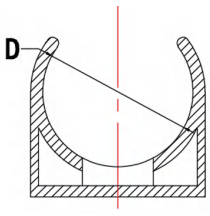




A110105 End Cap

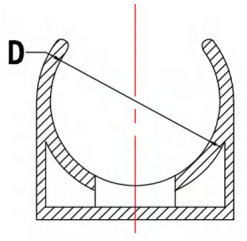
size	D	L	H
20	19	16.5	24
25	23.8	18.5	27
32	31	20.5	29
40	38.7	22.5	34
50	48.7	25.5	39
63	61.6	29.5	46
75	73.2	32.5	52
90	87.8	36.5	60
110	107.3	43.5	70





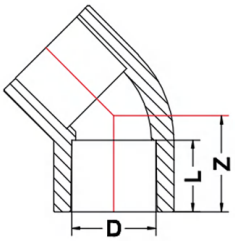
A110106 PPR Clip

size	D
20	20
25	25
32	32
40	40
50	50
63	63

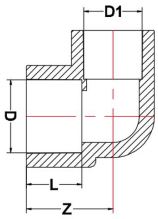
A110107 PPR Clip

size	D
20	20
25	25
32	32
40	40
50	50
63	63

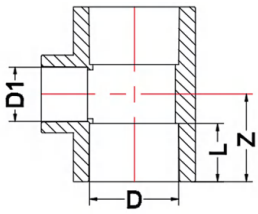
A110108 45° Elbow

size	D	L	Z
20	19	16. 5	21. 5
25	23.8	18.5	24. 5
32	31	20.5	28. 5
40	38.7	22.5	32. 5
50	48.7	25.5	37.5
63	61.6	29.5	43.5
75	73.2	32.5	48.5
90	87.8	36.5	56.5
110	107.3	43.5	67.5

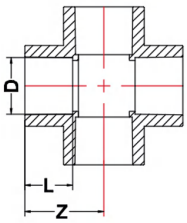
A110109 90° Elbow

size	D	D1	L	L1
25X20	23. 8	19	16.5	28.5
32X20	31	19	18.5	31.5
32X25	31	23.8	18.5	33.5

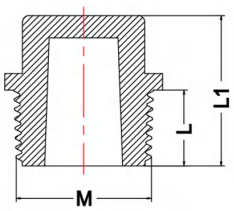
A110110 Reducing Tee

size	D	D1	L	Z
25X20	23.8	19	18.5	30.5
32X20	31	19	20.5	32.5
32X25	31	23.8	20.5	34.5
40X20	38.7	19	22.5	34.5
40X25	38.7	23.8	22.5	36.5
40X32	38.7	31	22.5	39.5
50X20	48.7	19	25.5	37.5
50X25	48.7	23.8	25.5	39.5
50X32	48.7	31	25.5	39.5
50X40	48.7	38.7	25.5	47.5
63X20	61.6	19	29.5	41.5
63X25	61.6	23.8	29.5	43.5
63X32	61.6	31	29.5	47.5
63X40	61.6	38.7	29.5	51.5
63X50	61.6	48.7	29.5	56.5
75X32	73.23	31	32.5	50.5
75X40	73.2	38.7	32.5	53.3
75X50	73.2	48.7	32.5	58.5
75X63	73.2	61.6	32.5	64.5
90X40	87.8	38.7	36.5	57.5
90X50	87.8	48.7	36.5	62.5
90X63	87.8	61.6	36.5	69.5
90X75	87.8	73.2	36.5	75.5
110X50	107.3	48.7	43.5	70.5
110X63	107.3	61.6	43.5	76.5
110X75	107.3	73.2	43.5	82.5
110X90	107.3	87.8	43.5	90.5

A110111 Cross

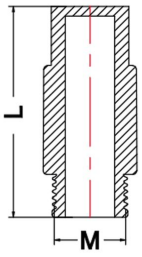
size	D	L	Z
20	19	16. 5	27
25	23.8	16.5	32
32	31	16.9	38

A110112 PPR Plugs

size	D	L	L1
1/2"	1/2"	14	28.8
3/4"	3/4"	18.5	31.8
1"	1"	20.5	34. 8

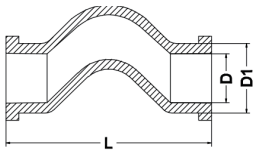




A110113 Male Plug

size	D	L
25X1/2"	1/2"	58. 6

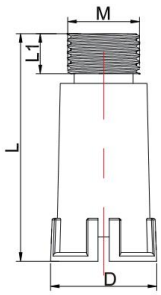




A110114 Brand

size	D	D1	L
20	19	27.5	83
25	23. 8	34	99
32	31	42. 8	119

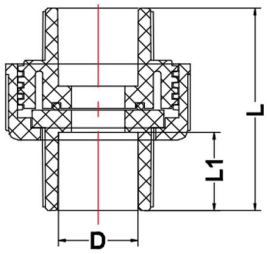




A110115 PPR Clip

size	D	L	L1	M
25X1/2"	30.35	65. 8	11. 6	1/2"

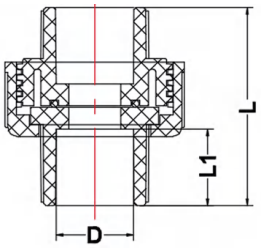




A110116 PPR Union

size	D	L1	L
20	19	16. 5	41
25	23.8	18. 5	48
32	31	20.5	50
40	38. 7	22.5	56
50	48.7	25.5	63
63	61. 6	29.5	72

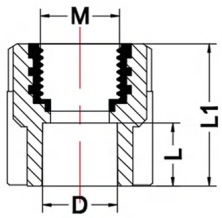




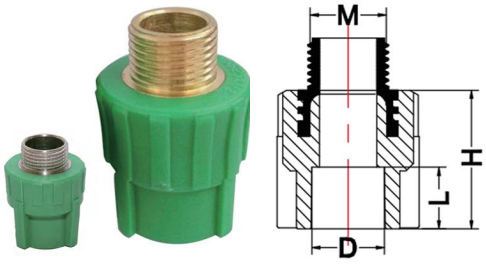
A110117 PPR Union

size	D	L1	L
20	19	16. 5	41
25	23.8	18.5	48
32	31	20.5	50
40	38. 7	22.5	56
50	48.7	25.5	63
63	61. 6	29.5	72



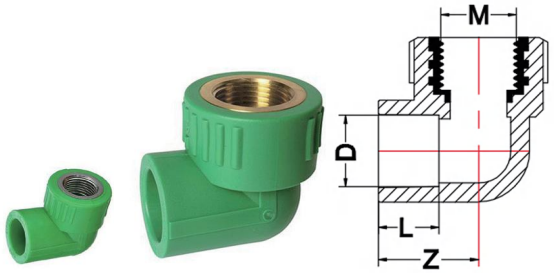


A110118 Female Socket



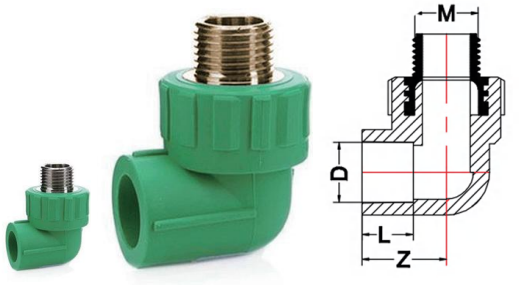
A110119 Male Socket

size	D	L	H	M
20X1/2"	19	16.5	43	1/2"
20X3/4"	19	16. 5	44	3/4"
25X1/2"	23.8	18.5	44	1/2"
25X3/4"	23.8	18.5	50	3/4"
32X1/2"	31	20.5	46	1/2"
32X3/4"	31	20.5	47	3/4"
32X1 1	31	20.5	48	1"
40X1-1/4"	38.7	22.5	53	1-1/4"
50X1-1/2"	48.7	25.5	53	1-1/2"
63X2"	61.6	29.5	60	2"



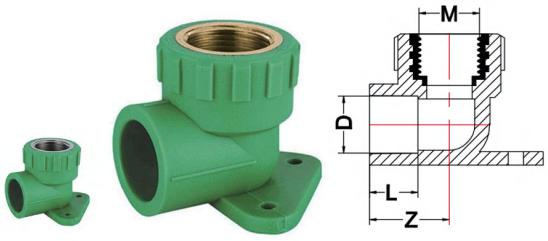
A110120 Brand

size	D	L	Z	M
20X1/2"	19	16. 5	28	1/2"
20X3/4"	19	16. 5	28	3/4"
25X1/2"	23. 8	18. 5	30	1/2"
25X3/4"	23.8	18. 5	32	3/4"
32X1/2"	31	20.5	38	1/2"
32X3/4"	31	20. 5	32	3/4"
32X1'	31	20. 5	36	1"
40X1-1/4"	39	22.5	42.5	1-1/4"
50X1-1/2"	48.9	25.5	50. 5	1-1/2"
63X2"	61.8	28.5	61.5	2"



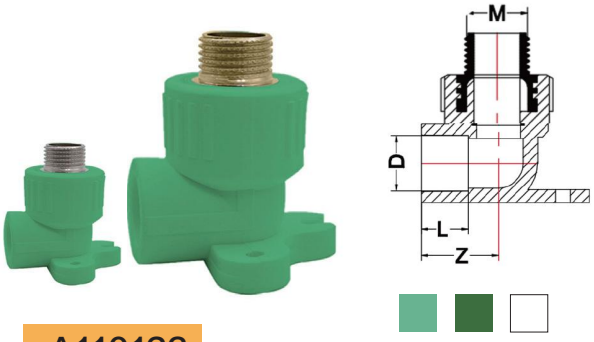
A110121 90° Elbow

size	D	L	Z	M
20X1/2"	19	16.5	28	1/2"
20X3/4"	19	16. 5	28	3/4"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1/2"	31	20.5	38	1/2"
32X3/4"	31	20.5	32	3/4"
32X1"	31	20.5	36	1"
40X1-1/4"	39	22.5	42.5	1-1/4"
50X1-1/2"	48. 9	25.5	50. 5	1-1/2"
63X2"	61.8	28.5	61.5	2"



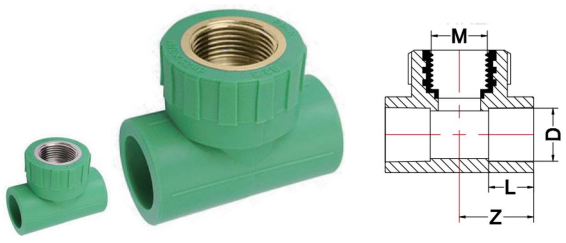
A110122 Brand

size	D	L	Z	M
20X1/2"	19	16.5	28	1/2"
25X1/2"	23.8	18.5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1"	31	20.5	36	1"

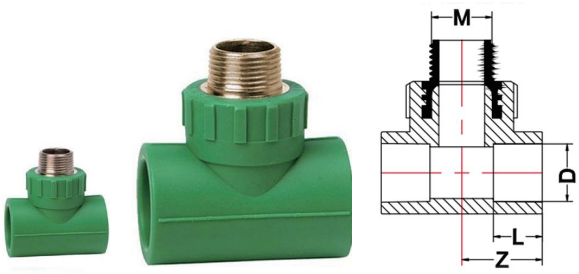


A110123 Male Elbow with Ear A

size	D	L	Z	M
20X1/2"	19	16.5	28	1/2"
25X1/2"	23.8	18. 5	30	1/2"
25X3/4"	23.8	18.5	32	3/4"
32X1"	31	20.5	36	1"

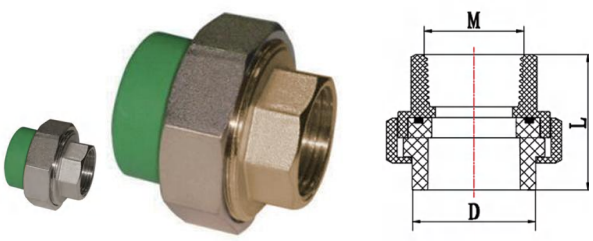


A110124 Female Tee



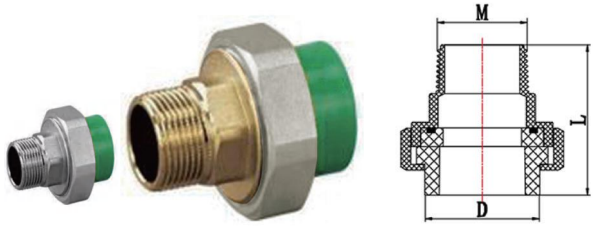
A110125 Male Tee

size	D	L	Z	M
20X1/2"	19	16.5	28	1/2"
20X3/4"	19	16.5	28	3/4"
25X1/2"	23.8	18.5	30	1/2"
25X3/4	23.8	18.5	32	3/4"
32X1/2"	31	20.5	38	1/2"
32X3/4"	31	20.5	32	3/4"
32X1 1	31	20.5	36	1"



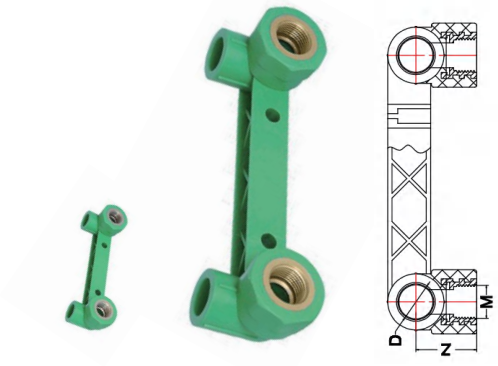
A110126 Female union

size	D	L	M
20	27.5	55	1/2"
25	34.8	55	3/4"
32	42.2	57	1"
40	52.5	68	1-1/4"
50	65.3	75	1-1/2"
63	83	92	2"



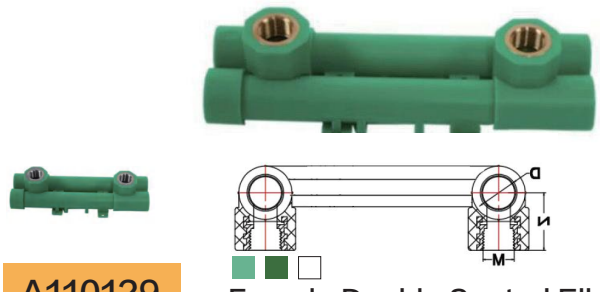
A110127 Male union

size	D	L	M
20	27.5	41	1/2"
25	34.8	48	3/4"
32	42.2	50	1"
40	52.5	56	1-1/4 1
50	65.3	63	1-1/2"
63	83	72	2"

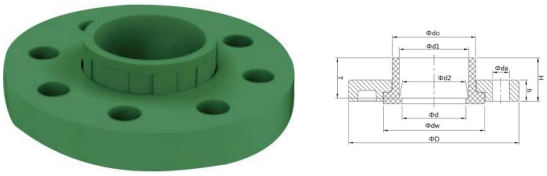


A110128 Female Double Seated Elbow

size	D	D1	Z
20X1/2"	18.8	1/2"	33.95
25X1/2"	23.8	1/2"	36.9

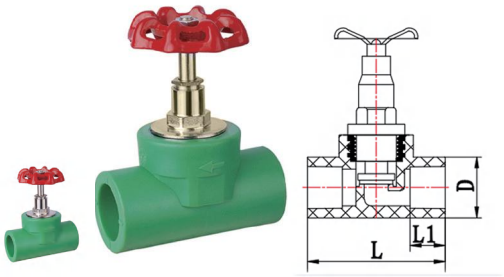


A110129 Female Double Seated Elbow



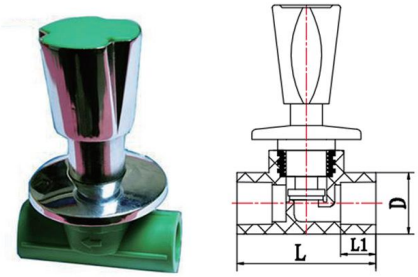
A110130 Fanger

Size	d0	d1	d2	T	d	dw	D	H	h	da
40 (50)	61.6	50. 35	49. 9	31.2	45	74	150	33.7	18	18
50(63)	77.4	63.4	62.9	37.7	57	93	1 65	41.2	20	18
65(75)	90. 4	75.4	74.9	43.7	69	110	1 85	47.2	23	18
80(90)	106.5	90.5	89.9	51.2	83	126	200	55.7	26	18
100(110)	126.9	110.6	109.9	61.2	103	147	220	65.7	28	18
de125	144	125.7	124.9	68.7	117	164	250	74.2	29	18
125(140)	161.3	140.75	139.9	76.2	131.5	181	250	81.7	30	18
150(160)	184.3	160. 8	159.9	86.2	151	204	285	92.2	32	22
de200	227	201	199.9	106.2	190	256	340	112.2	36	22
200(225)	254. 1	226.2	224.9	118.7	216	271	340	127.7	38	22
de250	281.3	251.3	249.9	131.2	239.5	310	395	138.2	40	22
300(315)	350.7	316.7	314.9	167.7	302	373	445	175.7	44	22
350 (355)	391	356.8	355	184	326	417	510	197	48	24
400 (400)	442	402	400	204.2	369.8	453	570	226	50	24



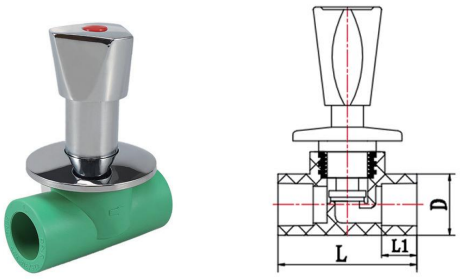
A11V001 Stop Valve

size	D	L1	L
20X1/2"	27.5	16.5	81
20X3/4"	34. 8	18.5	86
25X1/2"	42.2	20.5	94
25X3/4"	52.5	22.5	107
32X1/2"	65.3	25.5	123
32X3/4"	83	29.5	1 40
32X1"	1 00	32.5	157



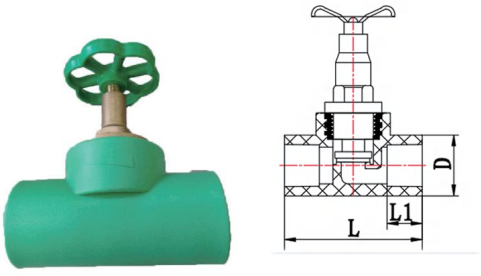
A11V002 Concealed Stop Valve

size	D	L1	L
20	27.5	16.5	62
25	34. 8	18.5	72
32	42.2	20.5	78



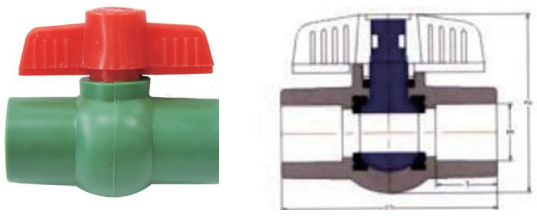
A11V003 Concealed Stop Valve

size	D	L1	L
20X1/2"	27.5	16.5	81
20X3/4"	34. 8	18.5	86
25X1/2"	42.2	20.5	94
25X3/4"	52.5	22.5	107
32X1/2"	65.3	25.5	123
32X3/4"	83	29.5	1 40
32X1"	1 00	32.5	157



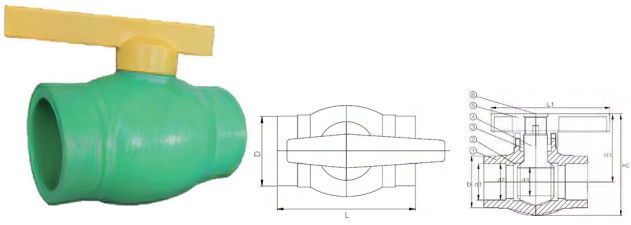
A11V004 PPR STOP VALVE

size	D	L1	L
20X1/2"	27.5	16.5	81
20X3/4"	34. 8	18.5	86
25X1/2"	42.2	20.5	94
25X3/4"	52.5	22.5	107
32X1/2"	65.3	25.5	123
32X3/4"	83	29.5	1 40
32X1"	1 00	32.5	157



A11V005 PPR BALL VALVE

Size	D	L	L1	Z
1/2"	15. 9	13	68	55
3/4"	22.2	18	80	66. 5
1"	28. 6	23	93.5	81
1-1/4"	34.9	28.5	104	89
1-1/2"	41.3	33.5	115	97.5
2"	54	43.5	126	120

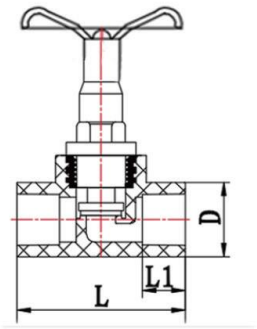


A11V006 PPR BALL VALVE

SIZE	d3	D	L	L1	H2
1/2"	15	28.7	73.7	82.5	62.2
3/4"	20	35.0	78.2	89.5	73.9
1"	25	42.7	88.0	102.8	86.6
1-1/4"	32	53.0	104.6	123.0	95.6
1-1/2"	40	61.0	123.6	148.1	113.4
2"	50	74.0	143.3	148.1	131.2

PART	MATERIAL	QTY
BODY	U-PVC	1
SEAT SEAL	TPE	2
STEM O-RING	NBR/EPDM	1
BALL	PP	1
HANDLE	ABS/PP/U-PVC	1
CAP	ABS/PP	1





A11V007 Stop Vavle

size	D	L1	L
20X1/2"	27.5	16.5	81
20X3/4"	34. 8	18.5	86
25X1/2"	42.2	20.5	94
25X3/4"	52.5	22.5	107
32X1/2"	65.3	25.5	123
32X3/4"	83	29.5	1 40
32X1"	1 00	32.5	157



A11V008 PPR CHECK VALVE



A11V011 UNION BALL VALVE



A11V012 ppr double union ball valve

size	D	L1	L
20	27.5	16.5	78
25	34.8	18.5	83
32	42.2	20.5	96



A11V013 ppr male single union ball valve

size	D	L1	M
1/2F *20	19	66	1/2
3/4F*25	24	77.5	3/4
1F *32	31	85.5	1



A11V014 ppr female single union ball valve

size	D	L1	M
1/2M*20	19	73	1/2
3/4M*25	24	81.5	3/4
1M*32	31	93.5	1