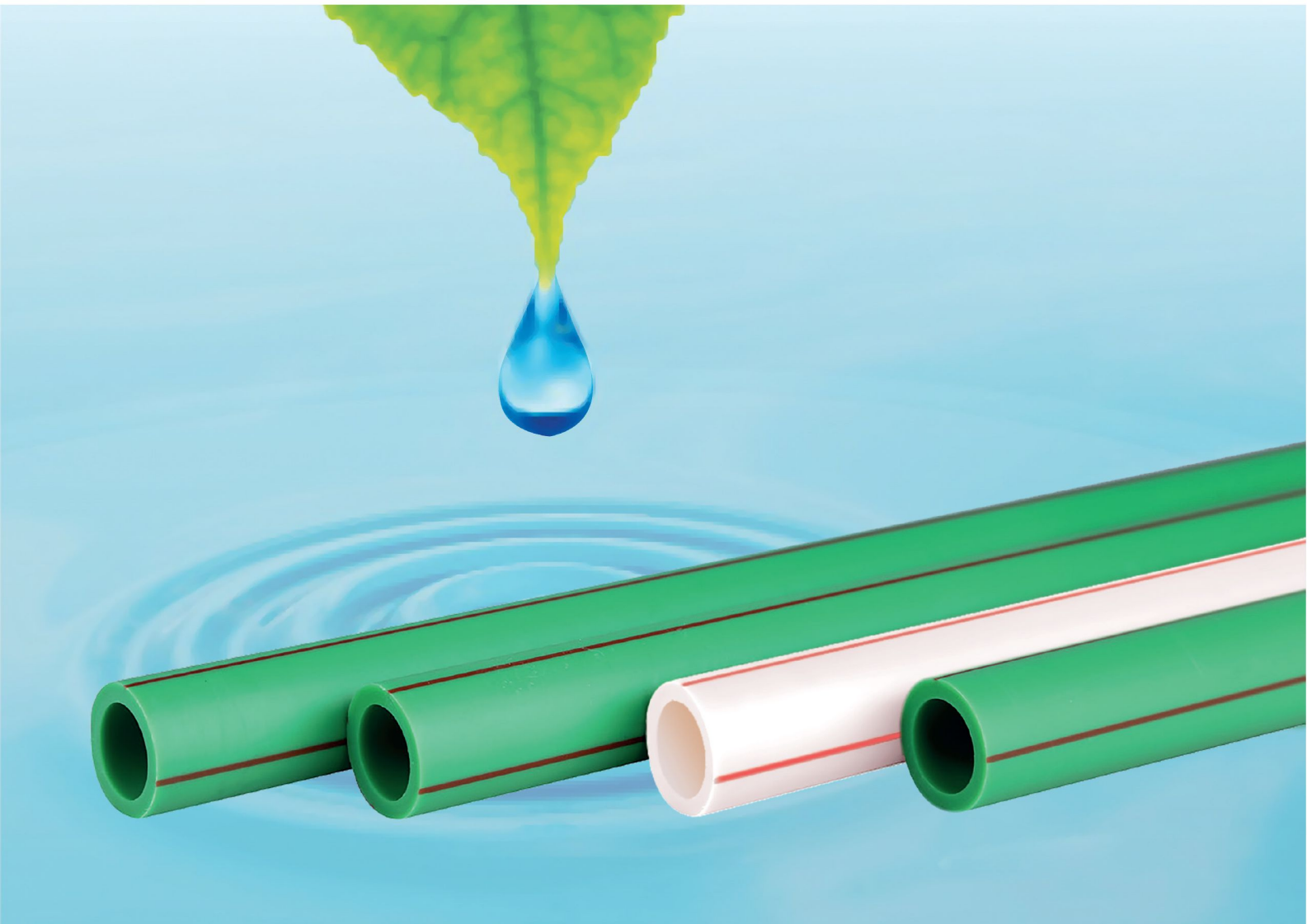




Fusiotec

Perfection flows

PP-R PIPE HOT & COLD WATER SYSTEM



LB JONSON
COMMERCIAL & DISTRIBUTION, INC.
www.lbjonson.com





PP-R PIPE

FUSIOTEC PP-R pipe and fittings are made from Polypropylene Random Copolymer, which has excellent sanitary property. All pipes are made of high-grade, eco-friendly Korean PPR-resin, which makes it sustainable and highly durable.



ADVANTAGE



Pipes can be used up to 70°C and has a service life of more than 50 years



Environment friendly



Chemical Stability



Less noise flow rate than traditional pipes



Has high anti-corrosion properties which can reduce risk of early rusting.



Convenient Installation

Potable pipe networks for hot and cold water distribution in residential buildings, hospitals, hotels, offices, schools and commercial buildings

Rainwater utilization systems



Swimming pool facilities

Chemical & Agricultural plants (such as transport of aggressive liquids)

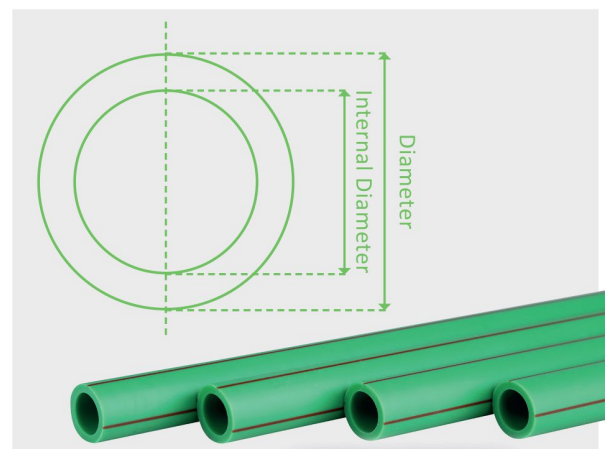
Industrial Applications

Water purifying plants

APPLICATIONS

Pipe Series: SDR 6/S2.5/PN20

Art	Dimension		Packing Unit pcs/pack	Diameter	Wall Thickness	Internal Diameter
	MM	INCH		D	S	D ₁
				mm	mm	mm
13020	20	¾ in	30	20	3.4	13.2
13025	25	⅞ in	20	25	4.2	16.6
13032	32	1 in	13	32	5.4	21.2
13040	40	1 ¼ in	8	40	6.7	26.6
13050	50	1 ½ in	5	50	8.3	33.4
13063	63	2 in	3	50	10.5	42.0
13075	75	2 ½ in	2	75	12.5	50.0
13090	90	3 in	1	90	15.0	60.0
13110	110	4 in	1	110	18.3	73.4



PN20 Pipe for Hot & Cold water supply

- Material: Polypropylene Random Copolymer
- Color: White and Green
- Piece length: Overall length of 4 meters
- Related References: ISO 15874; DIN 8077/78; GB/T 18742

PP-R FITTINGS & TOOLS



SIZES	
20 mm	63 mm
25 mm	75 mm
32 mm	90 mm
40 mm	110 mm
50 mm	



SIZES	
20 mm	40 mm
25 mm	50 mm
32 mm	63 mm



SIZES	
20 mm	
25 mm	
32 mm	



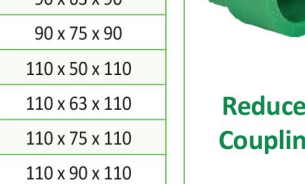
90° Unequal Elbow

SIZES (mm)	
25 x 20	
32 x 20	
32 x 25	



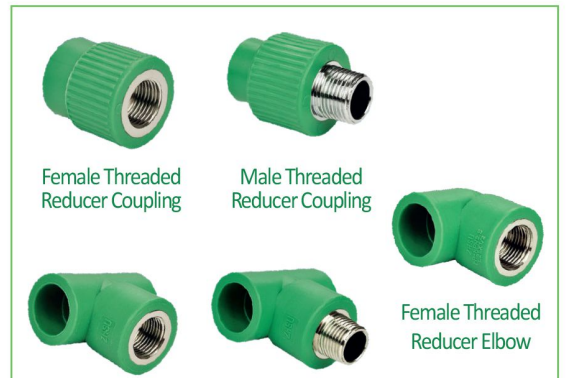
Male Threaded Reducer Elbow

SIZES (mm)	
25 x 20	
32 x 25	



Dark Valve (Fast-Open Type)

SIZES (mm)	
20 mm	
25 mm	



SIZES	
25 mm x 20 mm	

Tee Reducer Coupling	SIZES (mm)		
	25 x 20 x 25	50 x 40 x 50	75 x 63 x 75
	32 x 20 x 32	63 x 20 x 63	90 x 40 x 90
	32 x 25 x 32	63 x 25 x 63	90 x 50 x 90
	40 x 20 x 40	63 x 32 x 63	90 x 63 x 90
	40 x 25 x 40	63 x 40 x 63	90 x 75 x 90
	40 x 32 x 40	63 x 50 x 63	110 x 50 x 110
	50 x 20 x 50	75 x 32 x 75	110 x 63 x 110
	50 x 25 x 50	75 x 40 x 75	110 x 75 x 110
	50 x 32 x 50	75 x 50 x 75	110 x 90 x 110

Reducer Coupling	SIZES (mm)		
	25 x 20	50 x 40	75 x 63
	32 x 20	63 x 20	90 x 40
	32 x 25	63 x 25	90 x 50
	40 x 20	63 x 32	90 x 63
	40 x 25	63 x 40	90 x 75
	40 x 32	63 x 50	110 x 50
	50 x 20	75 x 32	110 x 63
	50 x 25	75 x 40	110 x 75
	50 x 32	75 x 50	110 x 90

Flange Core	SIZES (mm)	
	50 mm	90 mm
	63 mm	110 mm
	75 mm	

Pipe Cutter	SIZES	
	20 mm - 40 mm	
50 mm - 125 mm		

Welding/Fusion Tool	SIZES	
	20 mm - 40 mm	
	20 mm - 63 mm	
50 mm - 125 mm		

Product Standards



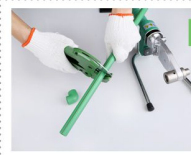
FUSION PROCESS



STEP 1

FUSION PREPARATION

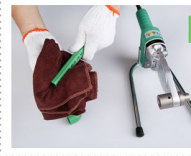
Choose the suitable sockets and install. Prepare the fusion machine, tools and fusion materials.



STEP 2

CUTTING THE PIPE

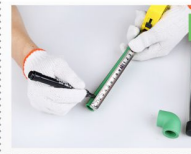
Cutting the requested length of the pipe with the specified pipe cutter.



STEP 3

CLEANING THE PIPE

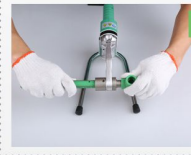
Cleaning the welding surface of pipe with alcohol.



STEP 4

MEASURE DEPTH

Marking the matchable depth for the specified pipe.



STEP 5

HEATING

Push the pipe and fitting in to the socket horizontally.



STEP 6

FUSION AND CONNECTING

Push the heated pipe and fitting without turning until the marked welding depth is covered.

Fusion Standards

Diameter (mm)	Melting depth (mm)	Heating time (sec)	Processing time (sec)	Cooling time (min)
20	14.0	5	4	2
25	15.0	7	4	2
32	16.5	8	6	4
40	18.0	12	6	4
50	20.0	18	6	4
63	24.0	24	8	6
75	26.0	30	8	8
90	29.0	40	8	8
110	32.5	50	10	8

Customers



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