



ECOTECH™

PP-R HOT AND COLD WATER PIPING SYSTEM

Extreme Quality and Performance
Extrem Qualität und Leistung™



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ECOTECH

PP-R HOT AND COLD WATER PIPING SYSTEM

The Advantages of ECOTECH™

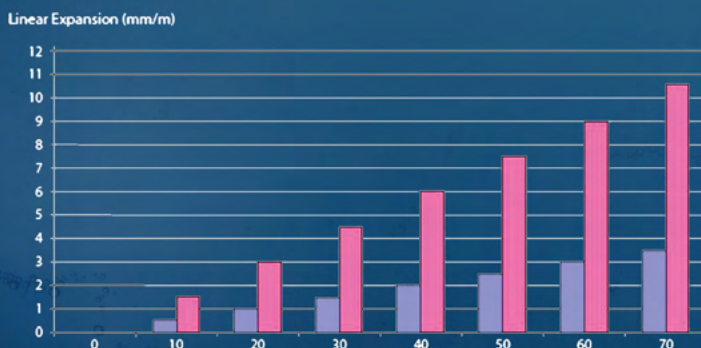
- Eco-friendly:** ECOTECH™ PPRC poses no negative effect on human health. The fact that it does not downgrade odor, taste, and smell of water means it does not contain carcinogens which have been confirmed by DIN and DVGW of Germany.
- High Quality:** ECOTECH™ uses the highest quality of raw materials available.
- European Designs:** ECOTECH™ PPRC adopts German-based aesthetics and function ensuring reliability and convenience.
- High Performance:** ECOTECH™ PPRC is available to use within the range of -20°C and +95°C with an operating life of 50 years at 20°C.



Groove structure ensures sealing performance, thus eliminating leakage




Linear Expansion Comparison ECOTECH™ vs Normal PPR Pipes



Coefficient of linear thermal expansion of ECOTECH™ PIPES is 0.04mm/mK


PPR PIPE, FITTINGS & TOOLS

 PN20 PPR HOT & COLD WATER PIPE	SIZES (mm)	
	20 x 3.4	75 x 12.5
	25 x 4.2	90 x 15.0
	32 x 5.4	110 x 18.3
	40 x 6.7	
	50 x 8.3	
	63 x 10.5	





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



 Elbow Reducer	SIZES(mm)		
	25/20	32/25	
	32/20		

 Tee Unequal	SIZES(mm)		
	25x20x25	63x20x63	90x40x90
	32x20x32	63x25x63	90x50x90
	32x25x32	63x32x63	90x63x90
	40x20x40	63x40x63	90x75x90
	40x25x40	63x50x63	110x50x110
	40x32x40	75x32x75	110x63x110
	50x20x50	75x40x75	110x75x110
50x32x50	75x50x75	110x90x110	
	50x40x50	75x63x75	



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

 Tee Male Adaptor	 Tee Female Adaptor
SIZES(mm)	
20 x 1/2	
25 x 3/4	
32 x 1	


 Female Adaptor	 Male Adaptor	
SIZES(mm)		
20 x 1/2	40 x 1 1/4	75 x 2 1/2
25 x 3/4	50 x 1 1/2	90 x 3
32 x 1	63 x 2	

 Elbow Male Adapter	 Elbow Female Adaptor
SIZES(mm)	
20 x 1/2	
25 x 3/4	
32 x 1	

 PP Union	 Heavy-Duty Stop Valve
SIZES(mm)	
20	40
25	50
32	63

 Male Union Patente	 Female Union Patente
SIZES(mm)	
20 x 1 1/2	40 x 1 1/4
25 x 3/4	50 x 1 1/2
32 x 1	63 x 2

 Ball Valve	 High End Stop Valve
SIZES(mm)	
20	
25	
32	

 Flange Set	
SIZES(mm)	
63	90
75	110

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

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

*Above specifications are for reference only. For a complete listing, please contact LB JONSON COMMERCIAL & DISTRIBUTION, INC.

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ECOTECH **DIN** GERMANY

HOW TO INSTALL PPR PIPE?

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



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COMMERCIAL & DISTRIBUTION, INC.

Door 9 & 10, RGBirrey Architectural Bldg., Domsat Rd., Corner Gold St.
San Rafael Village, Brgy 9-A Poblacion, Davao City 8000

(082) 224-4500 | (082) 222-3122

0917-101-0465 | 0917-111-0465 | 0917-513-8585 | 0925-355-4500

lbjonsoncdi@gmail.com

LB JONSON COMMERCIAL & DISTRIBUTION INC.

www.lbjonson.com