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ABOUT KETROWA

Providing materials and equipment for construction projects is always one of the most important concerns of builders and project managers. The importance of this issue stems from its direct impact on the project schedule, construction cost, and final building value. With the aim of facilitating the process of providing construction goods and taking into account its social responsibility, Ketrowa team has created a comprehensive and online system. In this system, builders will be able to prepare the schedule for the supply of materials and equipment for their construction projects and order the supply of goods based on the plan. These orders are made by comparing various products available in the system. Mass builders are the most important target customers of Ketrowa, and Ketrowa tries to supply and deliver goods on time to the consumer by logical planning for manufacturers and by providing cash and credit purchase model. Also, due to the reception and request for the supply of construction products for foreign markets, the supply of construction products for export markets is another main goal of Ketrowa. Ketrowa plans to transform the traditional and opaque market into a modern, high-speed and accurate market where buyers can get the quality goods they want at the most appropriate price .



MECHANICAL, HEATING
& COOLING FACILITIES

ELECTRICAL
FACILITIES

SANITARY

STRUCTURE

JOINERY &
FINISHING

Products are produced and
supplied in five branches:
Structure, Electrical
Facilities, Mechanical, Heating &
Cooling Facilities, Sanitary, Joinery &
Finishing., combining art and industry.

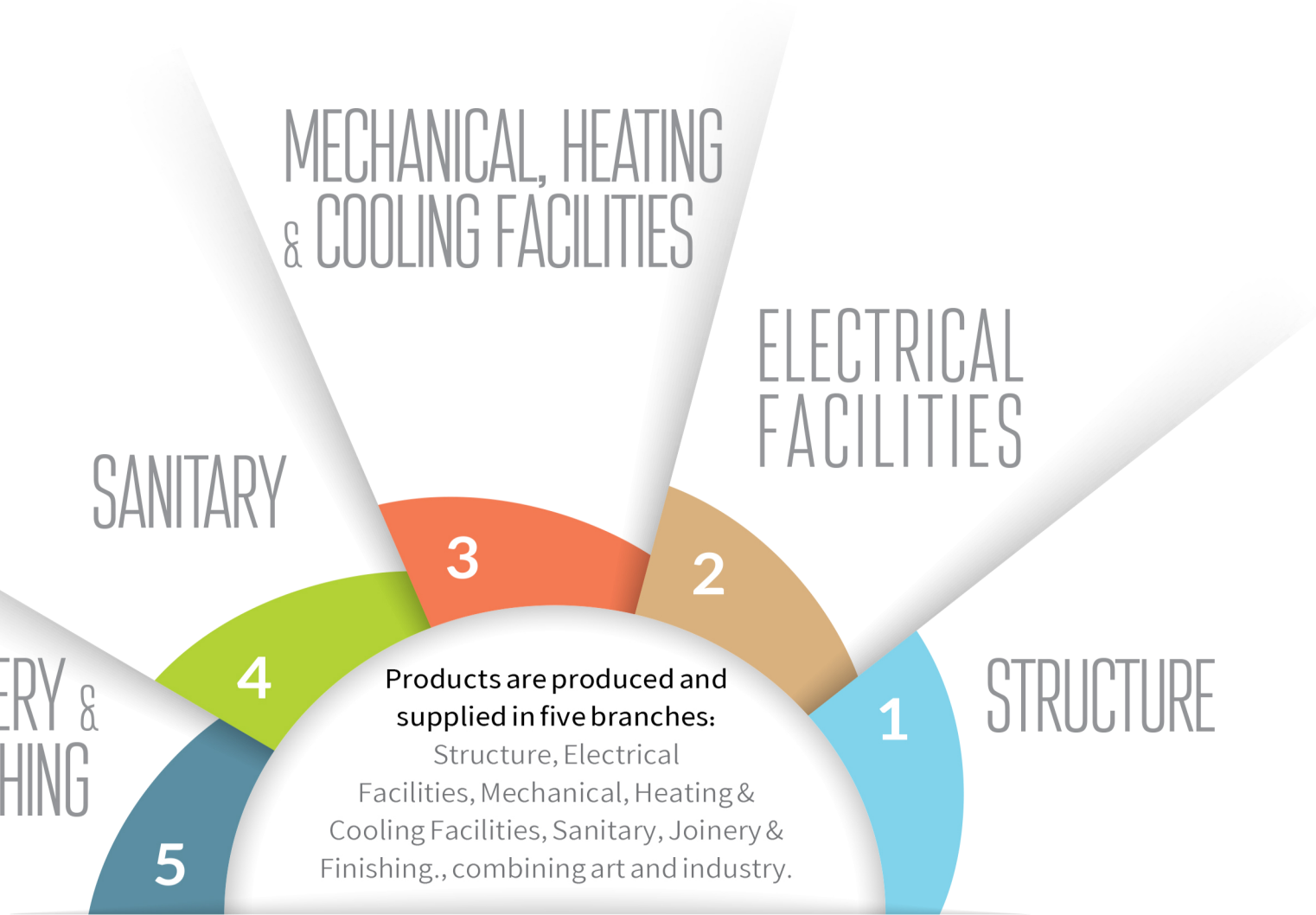
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Single-layer and Three-layer Pipes and Fittings



**Ketrowa Technical Specifications and Features of
Single- & Three-Layers Pipes and Fittings
PP-RCT/PP+GF/PP-RCT**

For cold and hot sanitary water and heating and cooling systems

- Three-layer polypropylene pipe (PP-R) Operating Class 3
- Three-layer random polypropylene pipe with a glass fiber reinforced middle layer (PP-R/PP+GF/PP-R) Operating Class 4
- Three-layer polypropylene pipe PP-RCT with glass fiber reinforced middle layer (PP-RCT/PP+GF/PP-RCT) Operating Class 5

Classification table of operating conditions of pipes in each category of use obtained and included in the specifications on the pipe

Operating Class	Design Temperature °C	Time y	T max °C	Time y	T max °C	Time h	Usage
1	60	49	80	1	95	100	Water 60 °C
2	70	49	80	1	95	100	Water 70 °C
4	20 (+)	2.5 (+)	70	2.5	100	100	Underfloor heating and low temperature radiators
	40 (+)	20 (+)					
	60 Plus the next column	25 Plus the next column					
5	20 (+)	14 (+)	90	1	100	100	High temperature radiator
	60 (+)	25 (+)					
	80 Plus the next column	10 Plus the next column					

Three-layer pipes PP-R/PR-R+GF/PP-R

Single-layer pipes PP-R





Female Adaptor

Size (inch):	20x1/2	25x1/2	25x3/4	32x3/4	32x1	40x4/1,1	50x2/1,1	63x2
Quantity per Carton:	180	130	130	70	70	50	36	16



Male Adaptor

Size (inch):	20x1/2	25x1/2	25x3/4	32
Quantity per Carton:	140	120	100	1

Barbed Catch

Size (mm):	16
Quantity per Carton:	2000



Catch

Size (mm):	16	20	25	32	40
Quantity per Carton:	700	350	250	150	150

Double Catch

Size (mm):	16	20	25
Quantity per Carton:	300	300	200



Rail Clamp

Size (mm):	200
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Socket

Size (mm):	20	25	32	40	50	53
Quantity per Carton:	350	250	130	75	32	24



Reucing Socket

Size (mm):	25-20	32-20	32-25	40-20	40-25	40-32
Quantity per Carton:	400	250	220	130	130	110

Reucing Socket

Size (mm):	50-25	50-32	50-40	63-32	63-40	43-50
Quantity per Carton:	100	90	70	50	40	35



Collector Stand

Quantity per Carton: Custom Made

Bridge Socket

Size (mm): 20 25

Quantity per Carton: 70 40

Collector Case

Size (mm): 45x45 45x65 45x95

Quantity per Carton: Custom Made

Long Screw Cap

Size (inch): 1/2 3/4 1

Quantity per Carton: 130 100 50

Screw Cap

Size (mm): 20 25 32

Quantity per Carton: 800 500 300

End Cap

Size (mm): 20 25 32 40 50 63

Quantity per Carton: 550 370 250 120 60 40

Pressure Testing Machine

Quantity per Carton: Custom Made

Welding Machine & Toolbox

Quantity per Carton: Custom Made

90 Reducing Elbow

Size (mm): 25-20 32-25

Quantity per Carton: 150 75

Terminal Elbow Male 90 Degrees

Size (mm): 20 25

Quantity per Carton: 250 150

**45 Elbow**

Size (mm):	20	25	32	40
Quantity per Carton:	250	180	90	50

90 Elbow

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	230	150	75	45	24	12

**Female Elbow**

Size (inch):	20x1/2	25x1/2	25x3/4	32x3/4
Quantity per Carton:	120	100	100	50

Female Elbow

Size (inch):	32x1	40x1,1/4	50x1,1/2	63x2
Quantity per Carton:	50	10	5	5

**Female Elbow with Support**

Size (inch):	20x1/2	25x1/2	25x3/4
Quantity per Carton:	100	80	80

Double Elbow

Size (inch):	20x1/2	25x1/2
Quantity per Carton:	Custom Made	

**Double Elbow**

Size (inch):	20x1/2	25x1/2
Quantity per Carton:	30	30

Male Elbow with Support

Size (inch):	20x1/2	20x3/4	25x1/2	25x3/4
Quantity per Carton:	90	80	80	70

**Corner Tee**

Size (mm):	20	25
Quantity per Carton:	150	100

Female Tee

Size (inch):	32x1	40x1,1/4	50x1,1/2	63x2
Quantity per Carton:	40	20	10	5





Reducing Tee

Size (mm):	25-20-20	25-20-25	25-25-20	32-20-32
Quantity per Carton:	100	100	100	60

Reducing Tee

Size (mm):	32-25-32	32-25-25	40-20-40	40-25-40
Quantity per Carton:	60	60	40	40



Reducing Tee

Size (mm):	40-32-40	50-25-50	50-32-50	50-40-50
Quantity per Carton:	40	24	24	24

Reducing Tee

Size (mm):	63-20-63	63-25-63	63-32-63	63-40-63	63-50-63
Quantity per Carton:	10	10	10	10	10



Female Tee with Support

Size (inch):	20x1/2	25x1/2	25x3/4
Quantity per Carton:	80	60	60

Tee

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	170	100	50	30	24	10



Shablon

Size (mm):	20	500
Quantity per Carton:	150	200

Brass Single Tap

Size (inch):	1/2
Quantity per Carton:	Custom Made



Tap

Size (inch):	1/2
Quantity per Carton:	Custom Made

Polymer Installation Plane

Size (mm):	Single 63	Couple 153	Couple 280	500	Under the Package
Quantity per Carton:	100	100	100	50	100



**Metal Installation Plane**

Size (mm):	Single	Couple	Couple	280	500	Under the Package
	63	153	280			
Quantity per Carton:	500	200	180	100	80	200

Welding Socket

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	Custom Made					

**Pipe Cutter**

Quantity per Carton:	Custom Made
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Single Layer Pipe RCT-PP (PN10) Class 1

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	140	100	80	52	32	24

**Crooked Pipe**

Size (mm):	20	25	32	40
Quantity per Carton:	80	50	30	20

3-Layer Tube With Glass Fibers

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	140	100	80	52	32	24

**Polymer Loose Joint with Female Thread**

Size (inch):	20x1/2	25x3/4	32x1
Quantity per Carton:	80	60	40

Three-layer Reinforced Pipe

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	140	100	80	52	32	24

**Female Joint Loose**

Size (inch):	20x1/2	25x3/4	32x1
Quantity per Carton:	150	100	70

Female Joint Loose

Size (inch):	40x1,1/4	50x1,1/2	63x2
Quantity per Carton:	25	15	8





Plastic Joint Loose

Size (mm):	20	25	32
Quantity per Carton:	90	50	35

New Ball Valve

Size (mm):	20	25
Quantity per Carton:	50	50



Ball Valve

Size (mm):	20	25	32	40	50	63
Quantity per Carton:	30	30	20	20	10	5

Weel Valve

Size (mm):	20	25	32
Quantity per Carton:	50	32	25



Weel Valve

Size (mm):	40	50	63
Quantity per Carton:	Custom Made		

Weel Valve

Size (mm):	Weel Valve 20	Weel Valve 25	Weel Valve 32
Quantity per Carton:	Custom Made		





IN KETROWA BUSINESS MODEL, MASS BUILDERS ARE THE MOST IMPORTANT TARGET CUSTOMERS.