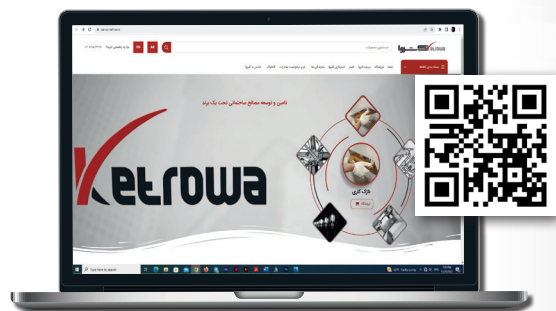




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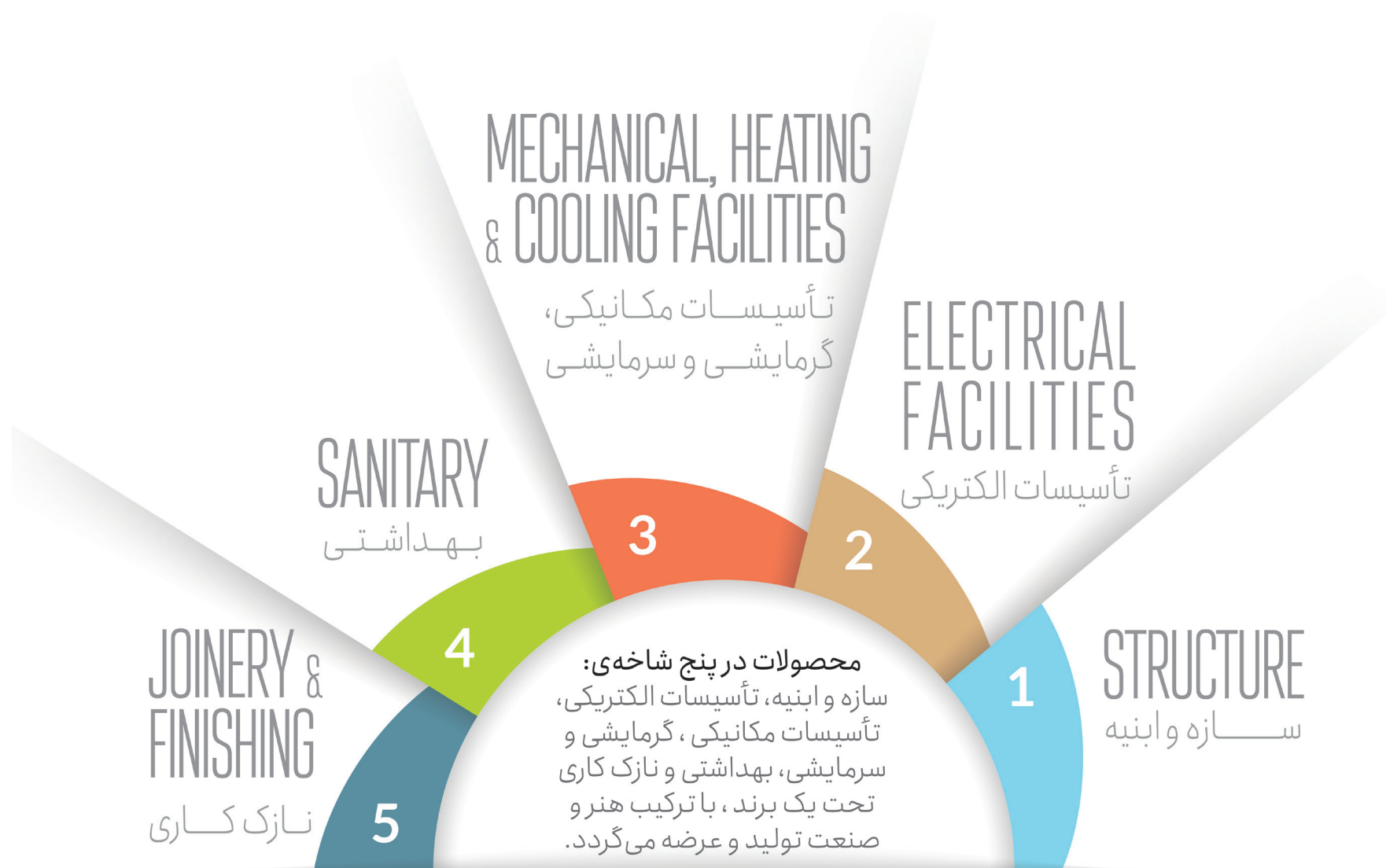
درباره کتروا

تأمین مصالح و تجهیزات پروژه‌های ساختمانی همواره یکی از مهم‌ترین دغدغه‌های سازندگان و مدیران پروژه‌هاست. اهمیت این مسئله نشأت گرفته از تأثیر مستقیم آن بر زمان بندی پروژه، هزینه تمام شده ساخت و ارزش ساختمان نهایی است.

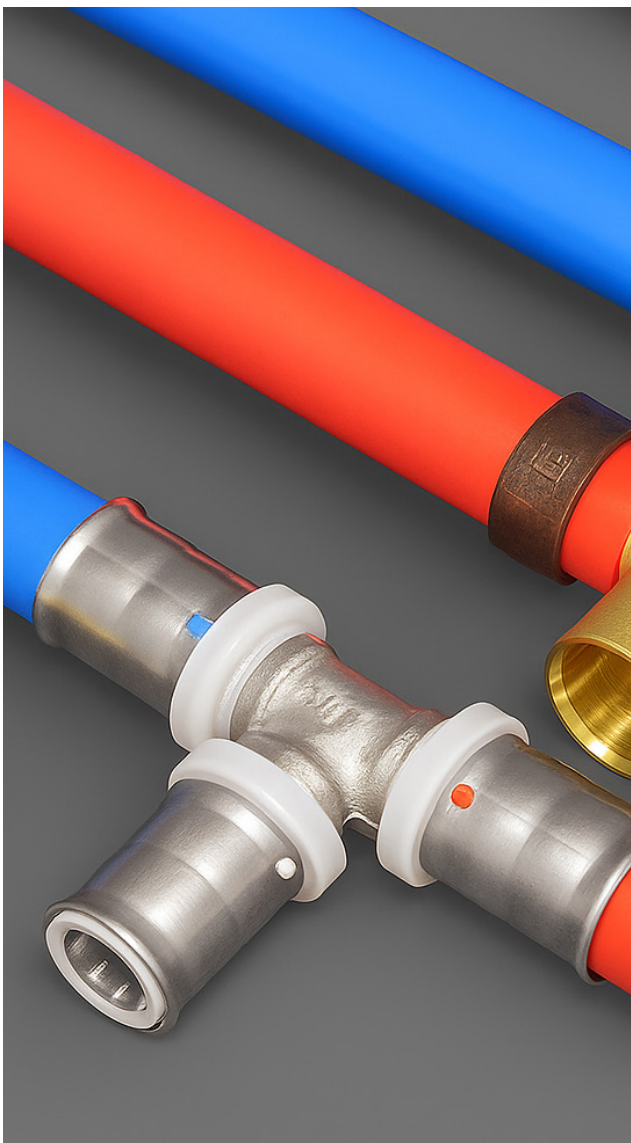
تیم کتروا با هدف تسهیل فرایند تأمین کالاهای ساختمانی و با در نظر گرفتن مسئولیت اجتماعی خود، سامانه‌ای جامع و برخط را ایجاد نموده است. در این سامانه، سازندگان قادر خواهند بود برای پروژه‌های ساختمانی خود، زمان بندی تأمین مصالح و تجهیزات را آماده نمایند و براساس این برنامه، سفارش تأمین کالا داشته باشند. این سفارش‌ها با مقایسه کالاهای متنوع موجود در سامانه انجام می‌گیرد.

انبوه سازان، مهمترین مشتریان هدف کتروا هستند و کتروا تلاش می‌کند با برنامه ریزی منطقی برای سازندگان و با ارائه مدل خرید نقدی و اعتباری، تأمین و تحویل به موقع کالا را به مصرف کننده ارائه نماید.

تأمین کالاهای ساختمانی برای بازارهای صادراتی، یکی دیگر از اهداف اصلی کتروا است. کتروا قصد دارد بازار سنتی و غیرشفاف را به بازاری مدرن، پرسرعت و دقیق تبدیل نماید که در آن خریداران با مناسب ترین قیمت به کالاهای با کیفیت مدنظر خود دست یابند.

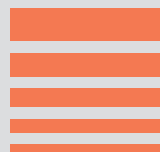


:Products are produced and supplied in five branches
Structure, Electrical Facilities, Mechanical, Heating & Cooling Facilities,
.Sanitary, Joinery & Finishing., combining art and industry



Pipes and Fittings (Cold & Hot Water - Radiator - Underfloor Heating)

لوله و اتصالات (آب سرد و گرم - رادیاتور - گرمایشی کفی)





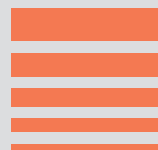
Single-layer and Three-layer Pipes and Fittings لوله و اتصالات تک لایه و سه لایه

Five-layer Pipes and Fittings لوله و اتصالات پنج لایه



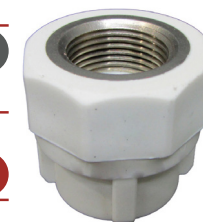
Single-layer and Three-layer Pipes and Fittings

لوله و اتصالات تک لایه و سه لایه



**Female Adaptor****اتصال یکسر بوشن**

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****اتصال یکسر مغزی**

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

Barbed Catch**بست خاردار**

Size (mm):	16
Quantity per Carton:	2000

**Catch****بست لوله**

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

Double Catch**بست دوقلو**

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

**Rail Clamp****بست ریلی**

Size (mm):	200
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Socket**بوشن**

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

**Reducing Socket****بوشن تبدیل**

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

Reducing Socket**بوشن تبدیل**

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**

پایه کلکتور کامل

Quantity per Carton: Custom Made

Bridge Socket

پل بوشن دار

Size (mm): 20 25

Quantity per Carton: 70 40

**Collector Case**

جعبه کلکتور

Size (mm): 45x45 45x65 45x95

Quantity per Carton: Custom Made

Long Screw Cap

درپوش پایه بلند

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

Quantity per Carton: 130 100 50

**Screw Cap**

درپوش رزوه دار

Size (mm): 20 25 32

Quantity per Carton: 800 500 300

End Cap

درپوش گپ

Size (mm): 20 25 32 40 50 63

Quantity per Carton: 550 370 250 120 60 40

**Pressure Testing Machine**

دستگاه تست فشار

Quantity per Carton: Custom Made

Welding Machine & Toolbox

دستگاه جوش دو المنت

Quantity per Carton: Custom Made

**90 Reducing Elbow**

زانو ۹۰ درجه تبدیل

Size (mm): 25-20 32-25

Quantity per Carton: 150 75

Terminal Elbow Male 90 Degrees

زانو ۹۰ درجه چپقی

Size (mm): 20 25

Quantity per Carton: 250 150





45 Elbow	زانو ۴۵ درجه			
Size (mm):	20	25	32	40
Quantity per Carton:	250	180	90	50

90 Elbow	زانو ۹۰ درجه					
Size (mm):	20	25	32	40	50	63
Quantity per Carton:	230	150	75	45	24	12



Female Elbow	زانو یکسر بوشن			
Size (inch):	20x1/2	25x1/2	25x3/4	32x3/4
Quantity per Carton:	120	100	100	50

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



Female Elbow with Support	زانو یکسر بوشن بست دار		
Size (inch):	20x1/2	25x1/2	25x3/4
Quantity per Carton:	100	80	80

Double Elbow	زانو یکسر بوشن دوبل رادیاتوری	
Size (inch):	20x1/2	25x1/2
Quantity per Carton:	Custom Made	



Double Elbow	زانو یکسر بوشن دوبل شیر مخلوط	
Size (inch):	20x1/2	25x1/2
Quantity per Carton:	30	30

Male Elbow with Support	زانو یکسر مغزی بست دار			
Size (inch):	20x1/2	20x3/4	25x1/2	25x3/4
Quantity per Carton:	90	80	80	70



Corner Tee	سه راه کنج	
Size (mm):	20	25
Quantity per Carton:	150	100

Female Tee	سه راه ناف فلز بدون بست			
Size (inch):	32x1	40x1,1/4	50x1,1/2	63x2
Quantity per Carton:	40	20	10	5





Reducing Tee

سه راه تبدیل

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

Reducing Tee

سه راه تبدیل

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



Reducing Tee

سه راه تبدیل

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

Reducing Tee

سه راه تبدیل

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

سه راه ناف فلز بست دار

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

Tee

سه راه

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



Shablon

شابلون

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

Brass Single Tap

شیر تک ضرب برنجی

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



Tap

شیر حیاطی

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

Polymer Installation Plane

صفحه نصب پلیمری ۵ لایه

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



**Metal Installation Plane****صفحه نصب فلزی**

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

Welding Socket**قالب جوش**

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

**Pipe Cutter****قیچی لوله بر**

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

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

**Crooked Pipe****لوله خم**

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

3-Layer Tube With Glass Fibers**لوله سه لایه با الیاف شیشه**

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

**Polymer Loose Joint with Female Thread مهره ماسوره پلیمری یکسر بوشن**

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

Three-layer Reinforced Pipe**لوله سه لایه تقویت شده**

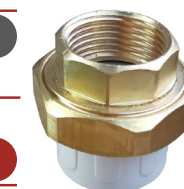
Size (mm):	20	25	32	40	50	63
Quantity per Carton:	140	100	80	52	32	24

**Female Joint Loose****مهره ماسوره فلزی**

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

Female Joint Loose**مهره ماسوره فلزی**

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



**Plastic Joint Loose****مهره ماسوره دو سر جوش**

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

New Ball Valve**ولو تک ضرب جدید**

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

**Ball Valve****ولو تک ضرب**

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

Weel Valve**ولو فلکه کامل و بالا تنه**

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

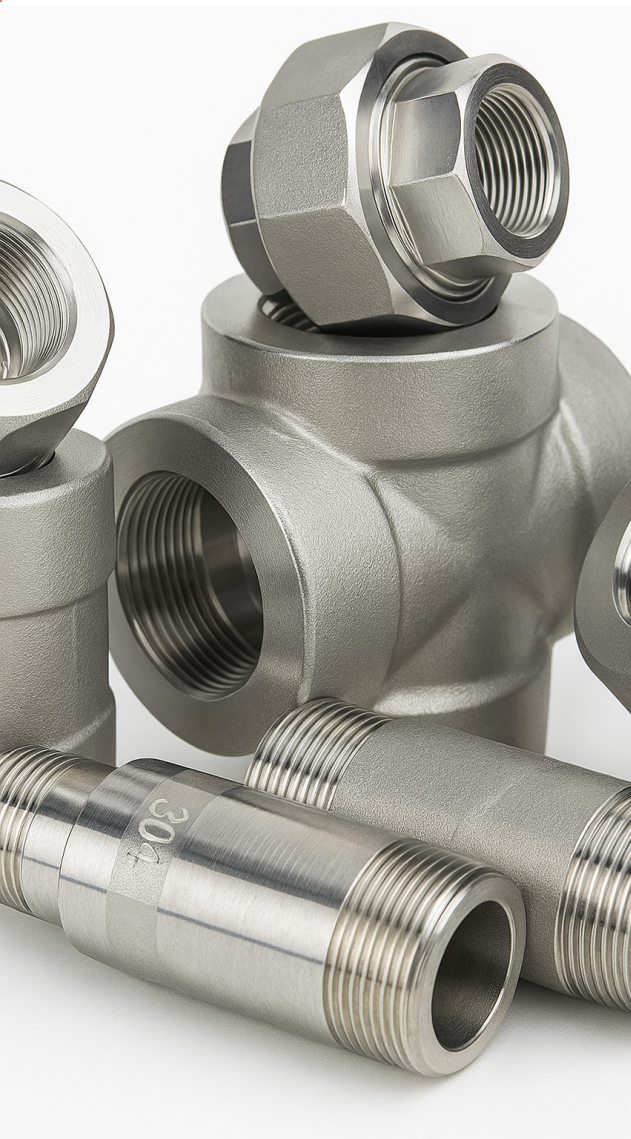
**Weel Valve****ولو فلکه کامل و بالا تنه**

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

Weel Valve**ولو فلکه کامل و بالا تنه**

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





Five-layer Pipes and Fittings لوله و اتصالات ۵ لایه





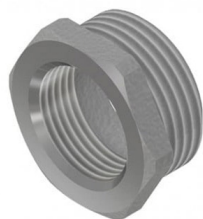
Manifold Bracket		بست کلکتور
Size (inch):	3/4	1
Quantity per Carton:	60	50

Manifold Bracket (lux)		بست کلکتور لوکس
Size (inch):	3/4 - 1 - 1 1/4	
Quantity per Carton:	1	



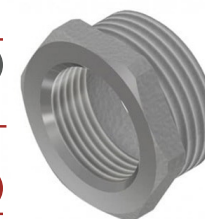
Reduced Straight Female Connector		بوشن تبدیلی توپیچ
Size (inch):	1/2x3/8 3/4x1/2 1x3/4 1 1/4x1	
Quantity per Carton:	85 55 20 12	

Straight Female Connector		بوشن تو پیچ
Size (inch):	3/8x3/8 1/2x1/2 3/4x3/4 1x1	
Quantity per Carton:	120 80 50 30	



Reducing Bush Male/Female		تبدیل روپیچ توپیچ
Size (inch):	1/2x3/8 3/4x1/2 1x1/2 1x3/4	
Quantity per Carton:	200 70 40 40	

Reducing Bush Male/Female		تبدیل روپیچ توپیچ
Size (inch):	1 1/4x1 1 1/4x3/4 1 1/2x1 1/4 2x1 1/2	
Quantity per Carton:	24 24 20 10	



Manifold Boxes		جعبه کلکتور لوکس
Size (cm):	45x45 64x45 95x45	
Quantity per Carton:	1 1 1	

Clamping Ring		حلقه رینگ
Size (mm):	Q16 Q20 Q25 Q32	
Quantity per Carton:	800 300 250 200	



Press Stop End		درپوش پرسی
Size (mm):	Q16 Q20 Q25 Q32	
Quantity per Carton:	180 80 30 15	

Steel Ring		حلقه استیل
Size (mm):	16 20 25 32	
Quantity per Carton:	200 140 60 40	





Plastic Plug	درپوش پلاستیکی پایه بلند		
Size (inch):	1/2	3/4	
Quantity per Carton:	200	100	

Manifold Male Plug	درپوش کلکتور					
Size (inch):	3/8	1/2	3/4	1	1 1/4	1 1/2
Quantity per Carton:	130	110	92	65	42	30



Manual Press Machine	دستگاه پرس دستی			
Size (mm):	16	20	25	32
Quantity per Carton:	1			

Air Vent End Cap	درپوش کلکتور شیر هواگیر		
Size (inch):	3/4	1	1 1/4
Quantity per Carton:	60	46	28



Charge Press Machine	دستگاه پرس شارژی			
Size (mm):	16	20	25	32
Quantity per Carton:	1			

Electric Press Machine	دستگاه پرس هیدرولیک			
Size (mm):	16	20	25	32
Quantity per Carton:	1			



Extension Male/Female Q2/1-27	دنباله رو پیچ تو پیچ					
Size (inch):	1/2-L10	1/2-L15	1/2-L20	1/2-L25	1/2-L30	1/2-L40
Quantity per Carton:	80	70	60	50	46	36

Extension Male/Female Q2/1-27	دنباله رو پیچ تو پیچ					
Size (inch):	1/2-L50	1/2-L60	1/2-L70	1/2-L80	1/2-L90	1/2-L100
Quantity per Carton:	30	24	18	12	8	6



Press Straight Fitting Double	رابط پرس			
Size (mm):	16x16	20x20	25x25	32x32
Quantity per Carton:	48	34	16	10

Press Reduced Straight Fitting Double	رابط تبدیل پرس					
Size (mm):	20x16	25x16	25x20	32x16	32x20	32x25
Quantity per Carton:	40	24	20	14	12	12





Couple Screw Conversion		رابط تبدیل کوپلی				
Size (mm):	20x16	25x16	25x20	32x16	32x20	32x25
Quantity per Carton:	28	20	16	14	12	10

Couple Conversion		رابط کوپلی			
Size (mm):	16x16	20x20	25x25	32x32	
Quantity per Carton:	44	22	14	10	



Press Straight Fitting Female		رابط توپیچ پرس				
Size (inch):	16x1/2	16x3/4	20x1/2	20x3/4	25x1/2	
Quantity per Carton:	44	50	36	45	40	

Press Straight Fitting Female		رابط توپیچ پرس			
Size (inch):	25x3/4	25x1	32x1	32x11/4	
Quantity per Carton:	22	25	12	8	



Couple Screw-In Connector		رابط توپیچ کوپلی				
Size (inch):	16x3/8	16x1/2	16x3/4	20x1/2	20x3/4	
Quantity per Carton:	80	44	40	32	28	

Couple Screw-In Connector		رابط توپیچ کوپلی				
Size (inch):	25x1/2	25x3/4	25x1	32x1	32x11/4	
Quantity per Carton:	22	22	16	12	8	



Press Straight Fitting Male		رابط روپیچ پرس				
Size (inch):	16x1/2	16x3/4	20x1/2	20x3/4	25x1/2	
Quantity per Carton:	54	40	44	50	22	

Press Straight Fitting Male		رابط روپیچ پرس			
Size (inch):	25x3/4	25x1	32x1	32x11/4	
Quantity per Carton:	24	16	12	8	



Couple Screw-On Connector		رابط روپیچ کوپلی				
Size (inch):	16x3/8	16x1/2	16x3/4	20x1/2	20x3/4	
Quantity per Carton:	100	44	40	32	30	

Couple Screw-On Connector		رابط روپیچ کوپلی				
Size (inch):	25x1/2	25x3/4	25x1	32x1	32x11/4	
Quantity per Carton:	20	20	18	12	12	





رول بازکن Pipe Decoiler					
Size (mm):	16	20	25	32	
Quantity per Carton:	1				

زانو پرسى Press Elbow Double					
Size (mm):	16x16	20x20	25x25	32x32	
Quantity per Carton:	34	24	12	8	



زانو توپیچ پرسى Press Elbow Female					
Size (inch):	16x1/2	16x3/4	20x1/2	20x3/4	
Quantity per Carton:	30	35	24	45	

زانو توپیچ پرسى Press Elbow Female					
Size (inch):	25x3/4	25x1	32x1		
Quantity per Carton:	14	10	8		



زانو توپیچ رزوه ای Threaded Elbow					
Size (inch):	1/2x1/2	3/4x3/4	1x1		
Quantity per Carton:	18	12	8		

زانو چپقى رزوه ای Elbow Male/Female					
Size (inch):	1/2x1/2	3/4x3/4	1x1		
Quantity per Carton:	20	14	10		



زانو تو پیچ کوپلى Couple Screw-In Elbow					
Size (inch):	16x1/2	16x3/4	20x1/2	20x3/4	
Quantity per Carton:	40	32	20	20	

زانو توپیچ کوپلى Couple Screw-In Elbow					
Size (inch):	25x3/4	25x1	32x1	32x1 1/4	
Quantity per Carton:	14	12	8	7	



زانو دیوارى تو پیچ ۲ خار کوپلى Couple Screw-In 2 Elbow						
Size (inch):	16x1/2	20x1/2	20x3/4	25x3/4	32x1	
Quantity per Carton:	28	22	18	12	10	

زانو دیوارى تو پیچ ۲ خار پرسى Press Wall Elbow Female With 2 Holes						
Size (inch):	16x1/2	20x1/2	20x3/4	25x3/4	32x1	
Quantity per Carton:	30	24	20	12	10	



**Couple Screw-In 4 Elbow**

زانو دیواری تو پیچ ۴ خار کوپلی

Size (inch): 16x1/2 20x1/2 25x3/4

Quantity per Carton: 26 30 12

Press Wall Elbow Female With 4 Holes

زانو دیواری تو پیچ ۴ خار پرس

Size (inch): 16x1/2 20x1/2 25x3/2

Quantity per Carton: 30 24 20

**thread Elbow Male**

زانو روپیچ رزوه ای

Size (inch): 1/2x1/2 3/4x3/4 1x1

Quantity per Carton: 20 14 10

Couple Elbow

زانو کوپلی

Size (mm): 16x16 20x20 25x25 32x32

Quantity per Carton: 34 20 12 6

**Press Elbow Male**

زانو روپیچ پرس

Size (inch): 16x1/2 16x3/4 20x1/2 20x3/4

Quantity per Carton: 34 60 50 35

Press Elbow Male

زانو روپیچ پرس

Size (inch): 25x3/4 25x1 32x1

Quantity per Carton: 25 20 8

**Couple Screw-In Elbow**

زانو روپیچ کوپلی

Size (inch): 16x1/2 16x3/4 20x1/2 20x3/4

Quantity per Carton: 42 32 28 18

Couple Screw-In Elbow

زانو روپیچ کوپلی

Size (inch): 25x3/4 25x1 32x1 32x11/4

Quantity per Carton: 14 12 8 7

**Press Wallplate Elbow Female In-Screw With 2 Holes**

زانو صفحه دار تو پیچ پرس

Size (inch): 16x1/2 20x1/2 20x3/4 25x3/4 32x1

Quantity per Carton: 16 12 10 8 6

Press Wallplate Elbow Female on-Screw With 2 Holes

زانو صفحه دار رو پیچ پرس

Size (inch): 16x3/4 20x3/4

Quantity per Carton: 16 16





Wallplate Elbow Female with 2 Holes زانو صفحه دار تو پیچ کوپلی

Size (inch):	16x1/2	20x1/2	20x3/4	25x3/4	32x1
Quantity per Carton:	16	12	10	8	6

Couple Screw-In Paged Elbow

زانو صفحه دار رویچ کوپلی

Size (inch):	16x3/4	20x3/4
Quantity per Carton:	16	10



Reduced Elbow Double

زانو نامساوی کوپلی

Size (mm):	20x16	25x20	32x20
Quantity per Carton:	20	12	8

Press Reduced Elbow Double

زانو نامساوی پرس

Size (mm):	20x16	25x16	25x20	32x25
Quantity per Carton:	24	14	14	8



Angle Radiator valve set(Pearl) ست شیر رادیاتور زانویی ۲/۱ طرح مروارید

Size (inch):	1/2
Quantity per Carton:	12

Angle Radiator valve set(star) ست شیر رادیاتور زانویی ۲/۱ طرح ستاره

Size (inch):	1/2
Quantity per Carton:	12



1 completed type Manifold-Nickel Plated ست کلکتور ۱۶ _ ۱

Size (inch):	1-16x2-2W	1-16x2-3W	1-16x2-4W	1-16x2-5W	1-16x2-6W
Quantity per Carton:	2	2	2	2	2

1 completed type Manifold-Nickel Plated ست کلکتور ۱۶ _ ۱

Size (inch):	1-16x2-7W	1-16x2-8W	1-16x2-9W	1-16x2-10W	1-16x2-11W
Quantity per Carton:	2	2	2	2	2



1 completed type Manifold-Nickel Plated ست کلکتور ۱۶ _ ۱

Size (inch):	1-16x2-12W	1-16x2-13W	1-16x2-14W	1-16x2-15W
Quantity per Carton:	2	2	2	2

11/4 completed type Manifold-Nickel Plated ست کلکتور ۱۶ _ ۱ ۱/۴

Size (inch):	11/4-16x2-2W	11/4-16x2-3W	11/4-16x2-4W
Quantity per Carton:	2	2	2




ست کلکتور ۱ ۱/۴ _ 11/4 completed type Manifold-Nickel Plated

Size (inch):	11/4-16x2-5W	11/4-16x2-6W	11/4-16x2-7W
Quantity per Carton:	2	2	2

ست کلکتور ۱ ۱/۴ _ 11/4 completed type Manifold-Nickel Plated

Size (inch):	11/4-16x2-8W	11/4-16x2-9W	11/4-16x2-10W
Quantity per Carton:	2	2	2


ست کلکتور ۱ ۱/۴ _ 11/4 completed type Manifold-Nickel Plated

Size (inch):	11/4-16x2-11W	11/4-16x2-12W	11/4-16x2-13W
Quantity per Carton:	2	2	2

ست کلکتور ۱ ۱/۴ _ 11/4 completed type Manifold-Nickel Plated

Size (inch):	11/4-16x2-14W	11/4-16x2-15W
Quantity per Carton:	2	2


ست کلکتور ۳/۴ _ 3/4 completed type Manifold-Nickel Plated

Size (inch):	3/4-16x2-2W	3/4-16x2-3W	3/4-16x2-4W
Quantity per Carton:	2	2	2

ست کلکتور ۳/۴ _ 3/4 completed type Manifold-Nickel Plated

Size (inch):	3/4-16x2-5W	3/4-16x2-6W	3/4-16x2-7W
Quantity per Carton:	2	2	2


ست کلکتور ۳/۴ _ 3/4 completed type Manifold-Nickel Plated

Size (inch):	3/4-16x2-8W	3/4-16x2-9W	3/4-16x2-10W
Quantity per Carton:	2	2	2

ست کلکتور ۳/۴ _ 3/4 completed type Manifold-Nickel Plated

Size (inch):	3/4-16x2-11W	3/4-16x2-12W	3/4-16x2-13W
Quantity per Carton:	2	2	2


ست کلکتور ۳/۴ _ 3/4 completed type Manifold-Nickel Plated

Size (inch):	3/4-16x2-14W	3/4-16x2-15W
Quantity per Carton:	2	2

سره راه نامساوی پرسی Press Reduced Tee

Size (mm):	16x20x16	16x25x16	20x16x16	20x16x20
Quantity per Carton:	18	12	18	16





Press Reduced Tee		سه راه نامساوی پرسی			
Size (mm):		20x25x16	20x20x16	20x25x20	20x16x16
Quantity per Carton:		10	16	10	12

Press Reduced Tee		سه راه نامساوی پرسی			
Size (mm):		25x16x20	25x16x25	25x20x16	25x20x20
Quantity per Carton:		10	10	12	12



Press Reduced Tee		سه راه نامساوی پرسی			
Size (mm):		25x25x20	25x20x25	25x25x16	32x16x25
Quantity per Carton:		10	10	10	6

Press Reduced Tee		سه راه نامساوی پرسی				
Size (mm):		25x32x25	32x16x32	32x20x32	32x25x25	32x25x32
Quantity per Carton:		6	6	6	6	6



Reduced Double Wall Elbow Female with 2 Holes		سه راه تبدیل دیواری ۹۰ توپیچ ۲ خار کوپلی	
Size (inch):		16x1/2x20	20x1/2x20
Quantity per Carton:		14	16

Press Double Wall Elbow Female with 2 Holes		سه راه تبدیل دیواری ۹۰ توپیچ ۲ خار پرسی	
Size (inch):		16x1/2x20	20x1/2x20
Quantity per Carton:		16	16



Reduced Double Wall Elbow Female with 4 Holes		سه راه تبدیل دیواری ۹۰ توپیچ ۴ خار کوپلی	
Size (inch):		16x1/2x20	20x1/2x20
Quantity per Carton:		16	16

Press Double Wall Elbow Female with 4 Holes		سه راه تبدیل دیواری ۹۰ توپیچ ۴ خار پرسی	
Size (inch):		16x1/2x20	20x1/2x20
Quantity per Carton:		16	16



Press Tee Female		سه راه تو پیچ پرسی				
Size (inch):		16x1/2x16	16x3/4x16	20x1/2x20	20x3/4x20	25x1/2x25
Quantity per Carton:		18	12	20	12	15

Press Tee Female		سه راه تو پیچ پرسی			
Size (inch):		25x3/4x25	25x1x25	32x3/4x32	32x1x32
Quantity per Carton:		15	10	6	6





Couple Female Tee		سه راه توپیج کوپلی		
Size (inch):	16x1/2x16	16x3/4x16	20x1/2x20	20x3/4x20
Quantity per Carton:	20	16	18	12

Couple Female Tee		سه راه توپیج کوپلی		
Size (inch):	25x1/2x25	25x3/4x25	25x1x25	32x1x32
Quantity per Carton:	8	8	7	6



Double Wall Elbow Female with 2 Holes

سه راه دیواری ۹۰
توپیج ۲ خار کوپلی

Size (inch):	16x1/2x16	20x1/2x20
Quantity per Carton:	18	16

Press Double Wall Elbow Female with 2 Holes

سه راه دیواری ۹۰
توپیج ۲ خار پرس

Size (inch):	16x1/2x16	20x1/2x20
Quantity per Carton:	18	16



Reduced Double Wall Elbow Female with 4 Holes

سه راه دیواری ۹۰ توپیج
۴ خار کوپلی

Size (inch):	16x1/2x16	20x1/2x20
Quantity per Carton:	12	8

Press Double Wall Elbow Female with 4 Holes

سه راه دیواری ۹۰ توپیج
۴ خار پرس

Size (inch):	16x1/2x20	20x1/2x20
Quantity per Carton:	18	14



Double Wallplate Elbow Female with 2 Holes

سه راه صفحه دار ۹۰
توپیج کوپلی

Size (inch):	16x1/2x16	20x1/2x20
Quantity per Carton:	12	8

Press Double Wallplate Elbow Female With 2 Holes

سه راه صفحه دار ۹۰
توپیج پرس

Size (inch):	16x1/2x16	20x1/2x20
Quantity per Carton:	12	8



Couple Tee		سه راه کوپلی		
Size (mm):	16x16x16	20x20x20	25x25x25	32x32x32
Quantity per Carton:	20	12	7	5

Press Tee		سه راه پرس		
Size (mm):	16x16x16	20x20x20	25x25x25	32x32x32
Quantity per Carton:	20	14	8	6





Couple Reduced Tee سہ راہ نامساوی کوپلی

Size (mm):	20x16x16	20x16x20	16x20x16	16x25x16
Quantity per Carton:	14	12	14	10

Couple Reduced Tee سہ راہ نامساوی کوپلی

Size (mm):	20x20x16	20x25x20	20x25x16	25x20x25
Quantity per Carton:	14	8	8	8



Couple Reduced Tee سہ راہ نامساوی کوپلی

Size (mm):	25x25x20	25x25x16	25x20x16	25x16x16
Quantity per Carton:	8	8	8	8

Couple Reduced Tee سہ راہ نامساوی کوپلی

Size (mm):	25x16x20	25x16x25	25x32x25	25x20x20
Quantity per Carton:	8	8	8	8



Couple Reduced Tee سہ راہ نامساوی کوپلی

Size (mm):	32x16x25	32x16x32	32x20x32	32x25x25	32x25x32
Quantity per Carton:	7	7	7	7	7

Air Vent Valve شیر هواگیری

Size (inch):	1/4
Quantity per Carton:	300



Manifold Compression Ball Valve شیر کلکتور روپیچ

Size (inch):	16x1/2	20x1/2
Quantity per Carton:	20	20

Manifold Swivel Ball Valve شیر کلکتور مهره ماسوره دار

Size (inch):	3/4	1
Quantity per Carton:	8	6



Bracket Wall Fitting صفحه نصب

Size (mm):	70mm	150mm	250mm
	Single	Mixed	Arched
Quantity per Carton:	100	50	30

Bracket Wall Fitting صفحه نصب

Size (mm):	270mm Under the Package	280mm Vanity	500mm Radiator
Quantity per Carton:	30	30	30



Eco-Heating Panel

فوم شانه تخم مرغی

Size (mm): 108x68

Quantity per Carton: 20

Eco-Heating foun

فوم عایق لوله

Size (mm): 16 20 25

Quantity per Carton: 70 50 50

Beveling Calibrator

کالیبر سه پر بر قو

Size (mm): 16-20-25

Quantity per Carton: 1

Pipe Scissors

قیچی لوله بر

Size (mm): 16-20-25-32

Quantity per Carton: 1

**Stainless Steel Sleeve**

کالیبر بر قو

Size (mm): 16-20-25-32

Quantity per Carton: 1

3/4 Simple type Manifold-Nickel Plated کلکتور معمولی ۱/۲ _ ۳/۴

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

Quantity per Carton: 10 10 10

**3/4 Simple type Manifold-Nickel Plated** کلکتور معمولی ۱/۲ _ ۳/۴

Size (inch): 3/4-1/2-5W 3/4-1/2-6W 3/4-1/2-7W

Quantity per Carton: 10 10 10

3/4 Simple type Manifold-Nickel Plated کلکتور معمولی ۱/۲ _ ۳/۴

Size (inch): 3/4-1/2-8W 3/4-1/2-9W 3/4-1/2-10W

Quantity per Carton: 10 10 10

**3/4 Simple type Manifold-Nickel Plated** کلکتور معمولی ۱/۲ _ ۳/۴

Size (inch): 3/4-1/2-11W 3/4-1/2-12W 3/4-1/2-14W

Quantity per Carton: 5 5 5

3/4 Simple type Manifold-Nickel Plated کلکتور معمولی ۱/۲ _ ۳/۴

Size (inch): 3/4-1/2-5W 3/4-1/2-6W

Quantity per Carton: 5 5



1 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۲

Size (inch):	1-1/2-2W	1-1/2-3W	1-1/2-4W
Quantity per Carton:	10	10	10

1 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۲

Size (inch):	1-1/2-5W	1-1/2-6W	1-1/2-7W
Quantity per Carton:	10	10	10

1 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۲

Size (inch):	1-1/2-8W	1-1/2-9W	1-1/2-10W
Quantity per Carton:	10	10	10

1 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۲

Size (inch):	1-1/2-11W	1-1/2-12W	1-1/2-13W
Quantity per Carton:	5	5	5

1 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۲

Size (inch):	1-1/2-14W	1-1/2-15W
Quantity per Carton:	5	5

1/4 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۴

Size (inch):	11/4-1/2-2W	11/4-1/2-3W	11/4-1/2-4W
Quantity per Carton:	10	10	10

1/4 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۴

Size (inch):	11/4-1/2-5W	11/4-1/2-6W	11/4-1/2-7W
Quantity per Carton:	10	10	10

1/4 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۴

Size (inch):	11/4-1/2-8W	11/4-1/2-9W	11/4-1/2-10W
Quantity per Carton:	10	5	5

1/4 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۴

Size (inch):	11/4-1/2-11W	11/4-1/2-12W	11/4-1/2-13W
Quantity per Carton:	5	5	5

1/4 Zebra type Manifold-Nickel Plated کلکتور معمولی ۱ ۱/۴

Size (inch):	11/4-1/2-14W	11/4-1/2-15W
Quantity per Carton:	5	5



Pipe PEX-AL-PEX		لوله پنج لایه			
Size (mm):		16	20	25	32
Quantity per Carton (M):	200	200	100	50	

Pipe PERT -AL-PERT(TYPE+2)		لوله پنج لایه			
Size (mm):		16	20	25	32
Quantity per Carton (M):	200	200	100	50	



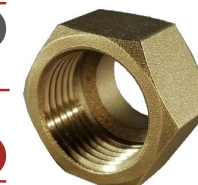
Straight Fitting Male		مغزی						
Size (inch):		3/8x3/8	1/2x1/2	3/4x3/4	1x1	1 1/4x1 1/4	1 1/2x1 1/2	2x2
Quantity per Carton:	150	80	50	18	10	8	6	

Pipes Antifreeze Liquid		محلول کاهش دهنده نقطه انجماد			
Size (litr):		20			
Quantity per Carton:	1				



Reducad Straight Fitting Male		مغزی تبدیلی					
Size (inch):		1/2x3/8	3/4x1/2	1x3/4	1 1/4x1	1 1/2x1 1/4	2x1 1/2
Quantity per Carton:	150	50	30	24	10	8	

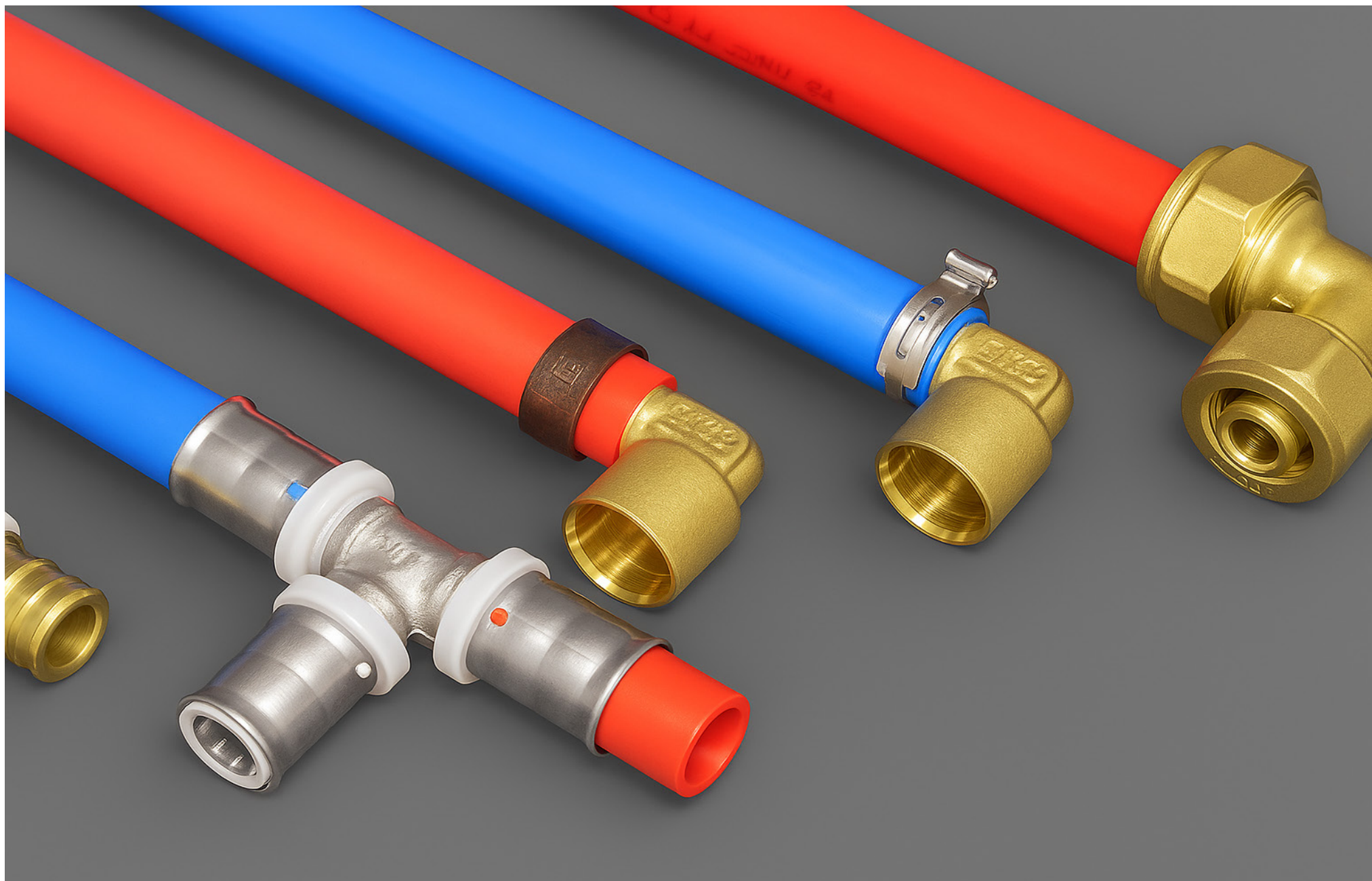
Brass Bead		مهره			
Size (mm):		Q16	Q20	Q25	Q32
Quantity per Carton:	140	100	70	40	



Press Swivel Male Adaptor		مهره ماسوره توپیچ پرسی			
Size (inch):		16x1/2	20x3/4	25x1	32x1
Quantity per Carton:	32	15	10	10	

Press Swivel Female Adaptor		مهره ماسوره توپیچ پرسی			
Size (inch):		16x1/2	20x1/2	25x3/4	32x1
Quantity per Carton:	32	22	25	10	





No.	Product Name	Test Title	Applicable Range	Reference
1	Non- Cellular Plastics	Determination of Density (Immersion Method)(Method A)	---	ISO1183-1 INSO 7090-1 (Method A)
2	Thermoplastics	Determination of the Melt Mass Flow Rate (MFR)	(2.16,5)kg (190,230)°C	ISO1133-1 INSO 6980-1 (Procedure A)
3	Plastics Components of Plastics Piping Systems (up to 320 mm)	Determination of Dimensions	ID: up to 300mm ThK. Up to 70 mm	ISO 3126 INSO 2412
4	Thermoplastics Pipes (up to 315 mm)	Longitudinal Reversion Determination (Air Oven Method)	Up to 150°C	ISO 2505 INSO 17614
		Determination of Resistance to Blows by the falling Weight (Round the Clock Method)	Up to 2000m Up to 3.2 kg Type: d25, d90	ISIRI 11438 DIN EN ISO 3127
		Determination of Resistance to Blows by the falling Weight (Staircase Method)	Up to 2000m Up to 12.5kg Type: d25, d90	ISIRI 11437 DIN EN ISO 11173
		Determination of Short-Term Ring Stiffness	Up to 2000kgf Up to 50 Mm/min	INSO 11436 ISO 9969
5	Thermoplastics Pipes & Fittings	Determination of Vicat Softening Temperature (VST)	50 N 50 °C/h	ISO 2507-1 ISO 2507-2 ISIRI 2414

No.	Product Name	Test Title	Applicable Range	Reference
6	Thermoplastics Fittings	Impact Strength Determination (Falling Test)	---	INSO 16039 DIN EN 12061
7	Injection-Moulded Thermoplastics Fittings	Visually assessing the effects of heating	Up to 150 °C	ISIRI 12175 ISO 580
8	Injection-Moulded Thermoplastics Fittings for Pressure Piping Systems	Determination of Maximum Deformation by Crushing	Up to 2000 kgf	BS EN 802
9	Polyethylene Electrofusion Assemblies (16 to 225) mm	Determination of Decohesion of Electrofusion (Crushing Test)	Up to 2000 kgf	IGS-C-DN-003 (Part 2) ISO 13955
10	Mechanical Joints Between Fittings & Pressure Pipes of Plastics Piping Systems (up to 63 mm)	Leak Tightness under Internal Pressure of Assemblies Subjected to Bending	Up to 15 bar	ISO 3503 INSO 13502
		Determination of the Resistance to Pull out under Constant Longitudinal Force	Up to 2000 kgf	ISO 3501 INSO 13316
		Leak Tightness under Negative Pressure (Internal Vacuum Method) (Method A)	Up to -0.8 bar	ISO 3459 INSO 12439 (Method A)
		Leak Tightness under Internal Pressure	Up to 50 bar	INSO 12440 ISO 3458

No.	Product Name	Test Title	Applicable Range	Reference
11	Pipes, Fittings & Assemblies for the Conveyance of Fluids (up to 315 mm)	Determination of the Resistance to Internal Hydrostatic Pressure (Water in Water)	Up to 100 bar (20, 60, 80, 95) °C Cap Type: A	ISO 1167-1 ISO 1167-2 ISO 1167-3 ISO 1167-4 ISIRI 12181-1 ISIRI 12181-2 ISIRI 12181-3 ISIRI 12181-4
12	Thermoplastic Piping Systems for non-Pressure Applications (up to 315 mm)	Water Tightness Test	---	INSO 22997 BS EN ISO 13254
13	Poly Vinyl Chloride (PVC)	Ash Content Determination (Direct Calcination Method) (Method A)	---	ISIRI 10237-5 (Method A)
14	Polyolefin & PVC Pipes	Determination of Tensile Properties	Up to 2000 kgf Up to 400 mm Up to 100 mm/min	ISO 6259-1 ISO 6259-2 ISO 6259-3 INSO 17140-1 INSO 17140-2 INSO 17140-3
15	UPVC Pipes	Determination of Resistance to Dichloromethane at a Specified Temperature	15 °C	ISIRI 10609 BS EN 580

No.	Product Name	Test Title	Applicable Range	Reference
16	UPVC Pipes & Fittings for Piping Systems for non-Pressure Underground Drainage & Sewerage	Appearance, Color & Marking Check	---	INSO 9118-1 Clause 5-1 Clause 5-2 Clause 12
17	UPVC Pipes & Fittings for Piping Systems for Soil & Waste Discharge within Building Structure	Appearance, Color & Marking Check	---	INSO 9119-1 Clause 5-1 Clause 5-2 Clause 12
18	UPVC Pipes & Fittings for Piping Systems for Water Supply, Buried and above Ground Drainage & Sewerage under Pressure	Appearance, Color & Marking Check	---	ISIRI 13361-2 ISIRI 13361-3 ISO 1452-2 ISO 1452-3 Clause 5-1 Clause 5-2 Clause 13
19	Crosslinked Polyethylene (PEX) Pipes & Fittings for Piping Systems for Hot and Cold-Water Installations (Except for Water Consumed by Human) (12 to 32 mm)	Specifications and Test Methods	---	ISIRI 13205-2 ISIRI 13205-3 ISO 15875-2 ISO 15875-3
20	Multilayer Piping Systems for Hot and Cold-Water Installations inside Buildings (Except for Water Consumed by Human) (Classification 1,2) (12 to 32 mm)	Specifications and Test Methods	---	ISIRI 12753-1 ISIRI 12753-2 ISO 21003-1 ISO 21003-2



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

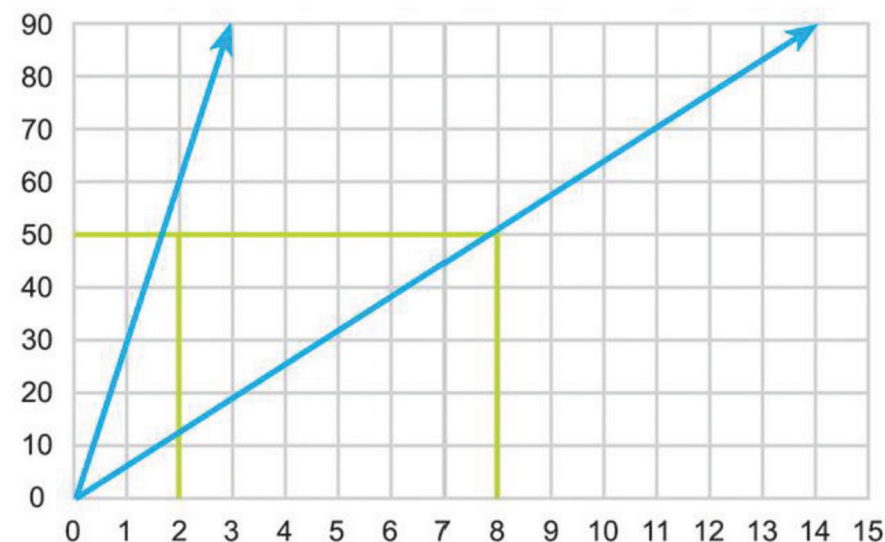
- Three-layer polypropylene pipe (PP-R) Operating Class 3
- Three-layer random polypropylene pipe with a glass fiber reinforced middle layer (PP-R/PP+GF/PP-R) Operating Class 4
- Three-layer polypropylene pipe PP-RCT with glass fiber reinforced middle layer (PP-RCT/PP+GF/PP-RCT) Operating Class 5

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



CERTIFICATE

THE MANAGEMENT SYSTEM OF
TOSEE VA TAMIN BANA GOSTAR ASIA SAZEH CO. (KETROWA)

NO.477, BETWEEN 1ST AND 2ND VAHID ST., SHAHID BEHESHTI BLVD., BAGHESTAN HWY., SHAHRSAAR, TEHRAN PROVINCE, IRAN

has been assessed and certified as meeting the requirements of

ISO 14001:2015

Environmental management system

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933306
ORIGINAL CERTIFICATION DATE: MAY 07, 2025
CURRENT CERTIFICATION DATE: MAY 07, 2025
CERTIFICATE EXPIRY DATE: MAY 07, 2028
THIS CERTIFICATE REMAINS VALID SUBJECT TO SATISFACTORY SURVEILLANCE AUDITS.


Authorized Signatory
EIQM Ltd. Certification Services
info@eiqmcert.com



EIQM Ltd. Certification Services is a certification body for assessment of objective evidence and issuance of certificate. this certificate is issued on the basis of the independent authority of the EIQM certification services. we partner with you to offer independent services that will help you, streamline your processes and operate in a more sustainable manner.
The validity of this certificate can be verified at www.eiqmcert.com



CERTIFICATE

THE MANAGEMENT SYSTEM OF
TOSEE VA TAMIN BANA GOSTAR ASIA SAZEH CO. (KETROWA)

NO.477, BETWEEN 1ST AND 2ND VAHID ST., SHAHID BEHESHTI BLVD., BAGHESTAN HWY., SHAHRSAAR, TEHRAN PROVINCE, IRAN

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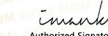
ISO 45001:2018

Occupational health and safety management system

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933307
ORIGINAL CERTIFICATION DATE: MAY 07, 2025
CURRENT CERTIFICATION DATE: MAY 07, 2025
CERTIFICATE EXPIRY DATE: MAY 07, 2028
THIS CERTIFICATE REMAINS VALID SUBJECT TO SATISFACTORY SURVEILLANCE AUDITS.


Authorized Signatory
EIQM Ltd. Certification Services
info@eiqmcert.com



EIQM Ltd. Certification Services is a certification body for assessment of objective evidence and issuance of certificate. this certificate is issued on the basis of the independent authority of the EIQM certification services. we partner with you to offer independent services that will help you, streamline your processes and operate in a more sustainable manner.
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CERTIFICATE

THE MANAGEMENT SYSTEM OF
TOSEE VA TAMIN BANA GOSTAR ASIA SAZEH CO. (KETROWA)

NO.477, BETWEEN 1ST AND 2ND VAHID ST., SHAHID BEHESHTI BLVD., BAGHESTAN HWY., SHAHRSAAR, TEHRAN PROVINCE, IRAN

has been assessed and certified as meeting the requirements of

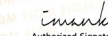
ISO 9001:2015

Quality management system

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933305
ORIGINAL CERTIFICATION DATE: MAY 07, 2025
CURRENT CERTIFICATION DATE: MAY 07, 2025
CERTIFICATE EXPIRY DATE: MAY 07, 2028
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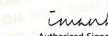
IMS

ISO 9001:2015 , ISO 14001:2015 , ISO 45001:2018

FOR THE FOLLOWING ACTIVITIES

Comprehensive Supplier of Building Materials

CERTIFICATE REGISTRATION NO.: QM5933308
ORIGINAL CERTIFICATION DATE: MAY 07, 2025
CURRENT CERTIFICATION DATE: MAY 07, 2025
CERTIFICATE EXPIRY DATE: MAY 07, 2028
THIS CERTIFICATE REMAINS VALID SUBJECT TO SATISFACTORY SURVEILLANCE AUDITS.


Authorized Signatory
EIQM Ltd. Certification Services
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www.ketrowa.ir