



**KAS**<sup>®</sup>

# 2023 Product Catalogue

**Brass Valve &  
Fittings**

**Manifold &  
Underfloor  
Heating**

**Flex  
Groups**

**PPR-C Pipe &  
Fittings**

## *Company Profile and History*

### **KAYALAR GROUP**

**KAS** was founded in 1970 and started its activities with the production of brass made parts & fittings. The name **KAS**, which was registered as a brand in 1994, was added to the radiator valves & unions product range in the same year.

#### *Milestone of Kas:*

In 2004, the **Kayalar Group** launched the Corrugated Stainless-Steel Hoses, the PPR Pipe & Fittings, and faucets to offer the worldwide and local market. **KAS** never gave up the target of continuous growth; however, it's proud to say that in a 35.000 m<sup>2</sup> facility with 22.000 m<sup>2</sup> indoor area where a professional team and an experienced R&D Department work on improvements and new products today.

#### *Perspective of Kas:*

The Kayalar Group offers its customers more than 2.000 types and more than 300 groups of products for natural gas, fire installations, connections, construction, and industrial markets. The product quality is assured and certified according to standards such as **CE, EN, TSE, TS, TSEK, GOST and ISO 9001**.

**KAS** has a production experience of more than half a century and is capable to produce any products that are suitable with today's management and change management techniques. **KAS** has become the most experienced and quality brand in Turkey and all over the world. The quality, reliability, ergonomics, and easy usage of its products determine the difference of **Kayalar Group** against its competitors.

**Kayalar Group** Company cares about the collaborator's by providing full support within periodical educational meetings. It shows a deep interest not only business life, but also pays a great attention for the social and educational life and supports social community services and educational associations for growing young brains.

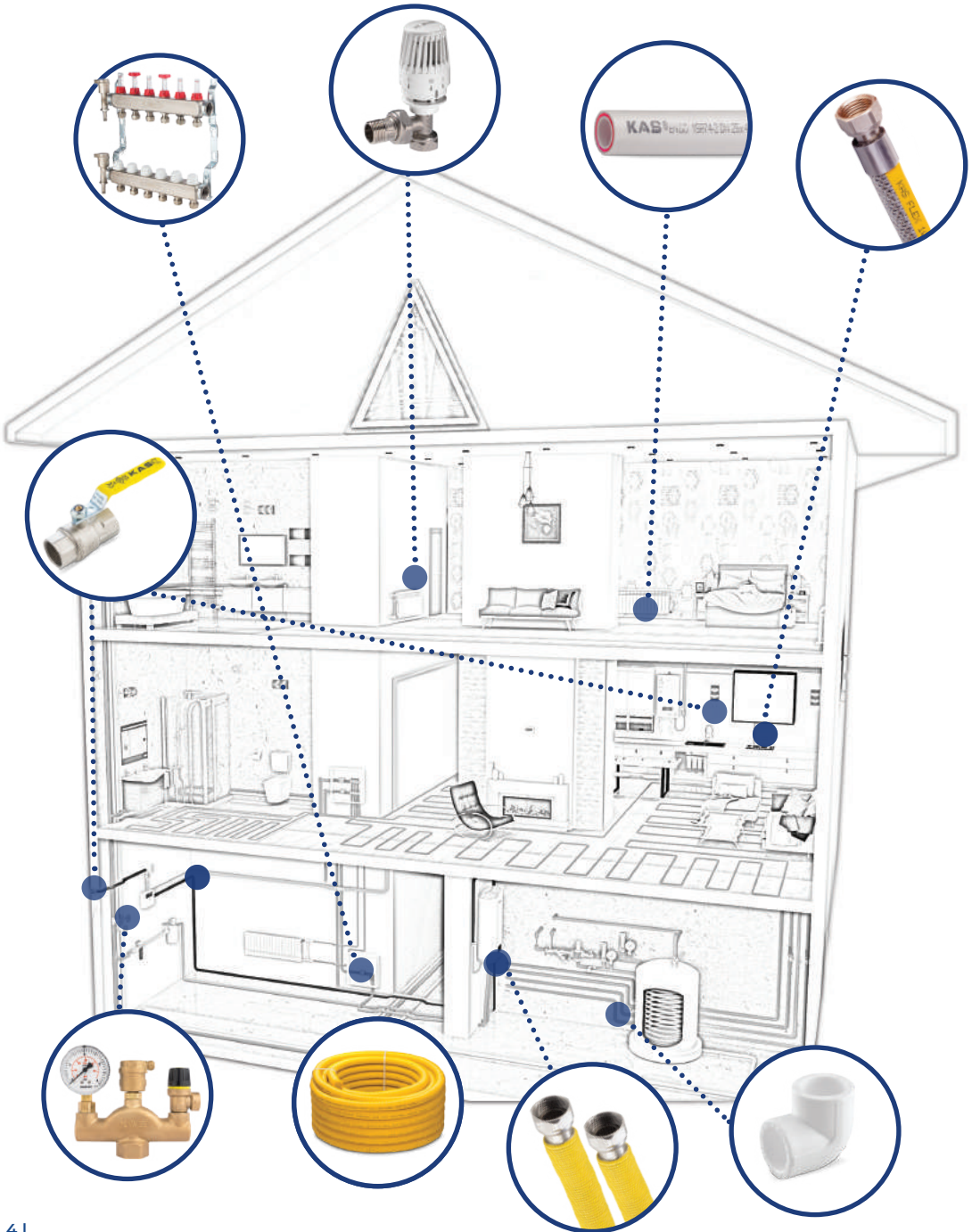
#### *Today's Kas:*

**The Kayalar Group** currently exports to over 74 countries and serves many customers by providing full support and CRM techniques. Our target is to transform the **KAS** Brand into a global brand that is known for its product quality.

# Quality Certificates



*We are all over the house!*



**Brass Valve &**  
*Fittings* ▶

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



CE EN 331

**Full Bore Brass Ball Valve For N.Gas Mob 5 (F-F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
07.04.830	1/2"	100	0,155
07.04.831	3/4"	80	0,210
07.04.402	1"	40	0,405
07.04.403	1 1/4"	20	0,510
07.04.404	1 1/2"	12	0,833
07.04.405	2"	8	1,255



CE EN 331

**Full Bore Brass Ball Valve For N.Gas Mob 5 (F-M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.11.830-01	1/2"	100	0,172
08.11.831-01	3/4"	80	0,225
08.11.632-01	1"	40	0,420



CE EN 331

**Full Bore Brass Ball Valve For N.Gas with Butterfly Handle Mob 5 (F-F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.04.830-01	1/2"	100	0,140
08.04.831-01	3/4"	80	0,191
08.04.632-01	1"	40	0,395



CE EN 331

**Full Bore Brass Ball Valve For N.Gas with Butterfly Handle Mob 5 (F-M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.03.830-01	1/2"	100	0,154
08.03.831-01	3/4"	80	0,210
08.03.632-01	1"	40	0,390

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



EN 13547

**Full Bore Brass Ball Valve For Water PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.02.430	1/2"	100	0,171
08.02.431	3/4"	80	0,217
08.02.432	1"	40	0,377
08.02.433	1 1/4"	20	0,495
08.02.434	1 1/2"	12	0,845
08.02.435	2"	8	1,240
80.61.426	2 1/2"	4	2,929
80.61.427	3"	3	4,287
80.61.428	4"	1	6,870



EN 13547

**Full Bore Brass Ball Valve For Water PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.11.430	1/2"	100	0,169
08.11.431	3/4"	80	0,235
08.11.432	1"	40	0,388
08.03.433	1 1/4"	20	0,497
08.03.434	1 1/2"	12	0,912
08.03.435	2"	8	1,308



EN 13828

**Full Bore Brass Ball Valve For Water PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.09.430	1/2"	100	0,169
08.09.431	3/4"	80	0,214
08.09.432	1"	40	0,371
08.09.433	1 1/4"	20	0,496
08.09.434	1 1/2"	12	0,844
08.09.435	2"	8	1,267



**Ball Valve with Straight Handle PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.09.528	1/4" F/F	100	0,127
08.09.529	3/8" F/F	100	0,116
08.09.530	1/2" F/F	100	0,132
08.09.531	3/4" F/F	80	0,188
08.09.532	1" F/F	40	0,361

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**Full Bore Brass Ball Valve with Butterfly Handle - PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.04.430	1/2"	100	0,154
08.04.431	3/4"	80	0,202
08.04.432	1"	40	0,372



EN 13547

**Full Bore Brass Ball Valve with Butterfly Handle - PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.03.430	1/2"	100	0,154
08.03.431	3/4"	80	0,226
08.03.432	1"	40	0,375



EN 13547

**Full Bore Brass Ball Valve with Butterfly Handle - PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.03.530	1/2" M/F	100	0,105
08.03.531	3/4" M/F	80	0,153
08.03.532	1" M/F	40	0,312



EN 13547

**Full Bore Brass Ball Valve with Butterfly Handle - PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.04.530	1/2" F/F	100	0,105
08.04.531	3/4" F/F	80	0,175
08.04.532	1" F/F	40	0,307



▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



new product

**Butterfly Brass Ball Valve PN 40 with Thermometer & Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.15.327	1"	22	0,515



**Full Bore Brass Ball Valve with Butterfly Handle With Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.06.327	1"	40	0,448



**Full Bore Brass Ball Valve with Butterfly Handle With Union PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.05.430	1/2"	80	0,202
08.05.431	3/4"	50	0,306
08.05.327	1"	40	0,435
08.05.329	1 1/4"	20	0,678



new product

**Full Bore Brass Ball Valve with Butterfly Handle With Union PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.05.530	1/2"	80	0,165
08.05.531	3/4"	50	0,265
08.08.327	1"	40	0,375



**Water Ball Valve with PPR Connection ( Nipple - PPR )**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.08.730	3/4" - 20 mm	50	0,277
08.08.731	1" - 25 mm	40	0,402
08.08.732	1 1/4" - 32 mm	40	0,640



**Water Ball Valve with PPR Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.09.730	20 mm	50	0,235
08.09.731	25 mm	40	0,364
08.09.732	32 mm	20	0,540

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**Angle Ball Valve with  
Hose Connection PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
10.01.370	3/4"	50	0,252



**Garden Bibcock with  
Butterfly Handle PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
09.07.921	1/2"	50	0,197
09.04.922	3/4"	50	0,216
09.07.923	1/2"	50	0,182



**Angle Ball Valve with  
Hose Connection PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
10.01.371	3/4"	50	0,253



**Garden Bibcock with  
Straight Sleeve PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
09.06.921	1/2"	50	0,215
09.03.922	3/4"	50	0,230
09.06.923	1/2"	50	0,151



**Full Bore Brass Ball Valve with Filter PN 40**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.08.448	1/2"	60	0,303
08.08.449	3/4"	50	0,437

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



**Filter (Y - Strainer) PN 16**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
12.02.340	1/2"	150	0,100
12.02.341	3/4"	80	0,145
12.02.342	1"	50	0,238
12.01.340	1/2"	150	0,139
12.01.341	3/4"	80	0,214
12.01.342	1"	50	0,307
80.31.343	1 1/4"	30	0,391
80.31.344	1 1/2"	20	0,462
80.31.345	2"	10	1,265
80.31.346	2 1/2"	8	1,575
80.31.347	3"	6	2,350
80.31.348	4"	4	3,775



**Swing Check Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.82.460	1/2"	100	0,135
80.82.461	3/4"	75	0,158
80.82.462	1"	50	0,221
80.82.463	1 1/4"	50	0,425
80.82.464	1 1/2"	30	0,460
80.82.465	2"	15	0,715
80.82.466	2 1/2"	10	1,472
80.82.467	3"	6	1,599
80.82.468	4"	2	3,675



**EN 12288**

**Vertical Check Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.81.470	1/2"	100	0,095
80.81.471	3/4"	75	0,130
80.81.472	1"	50	0,196
80.81.473	1 1/4"	50	0,307
80.81.474	1 1/2"	30	0,445
80.81.475	2"	24	0,642
80.81.476	2 1/2"	12	0,944
80.81.477	3"	6	1,516

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**Gate Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
11.01.850	1/2"	60	0,210
11.01.951	3/4"	50	0,193
11.01.852	1"	30	0,445



**Stop Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
11.02.850	1/2"	60	0,193
11.02.851	3/4"	40	0,221
11.02.852	1"	30	0,401



**Float with BS Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.72.540	1/2"	50	0,278
80.72.541	3/4"	50	0,296
80.72.542	1"	50	0,335



**Float**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.71.540	1/2"	50	0,271
80.71.541	3/4"	50	0,310
80.71.542	1"	50	0,360
80.71.543	1 1/4"	20	0,885
80.71.544	1 1/2"	20	0,923
80.71.545	2"	20	1,068

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



**Interval Tap**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
01.03.177	1/2"	80	0,200
01.03.178	1/2"	80	0,210
01.03.180	1/2"	80	0,190

**Lengthening Fittings**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.01.101	1 cm - 1/2"	500	0,029
80.01.102	1,5 cm - 1/2"	400	0,034
80.01.103	2 cm - 1/2"	300	0,046
80.01.104	2,5 cm - 1/2"	250	0,053
80.01.105	3 cm - 1/2"	200	0,060
80.01.106	4 cm - 1/2"	175	0,076
80.01.107	5 cm - 1/2"	150	0,093



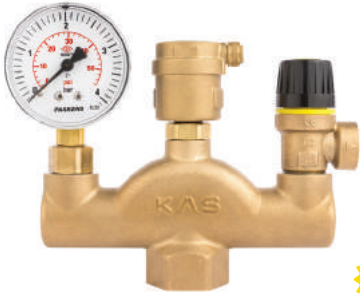
**Lengthening Fittings**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.04.160	1/2" - 3/4"	250	0,052
80.04.175	3/4"	100	0,092
80.04.176	3/4"	100	0,102
80.04.180	1/2"	100	0,080
80.04.185	3/4"	100	0,097

**Filtered Tap**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
01.07.179	1/2" - 3/8"	160	0,110
01.07.180	1/2" - 1/2"	130	0,110
01.06.173	1/2" - 3/4"	100	0,126
01.05.173	1/2" - 3/4" Matte Style	100	0,126
01.03.171	Only Shiny Part of Tap	600	0,012

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**new product**

**Combined Air Separator**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.60.710	1"	6	0,992



**Pressure Reducing Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Non Sealed</b>			
71.05.590	1/2"	8	0,315
71.05.591	3/4"	8	0,330
71.05.592	1"	12	0,870
71.05.593	1 1/4"	12	1,000
71.05.594	1 1/2"	12	1,060
71.05.595	2"	12	1,540
71.05.596	2 1/2"	1	3,050



**Gas Filter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Standart</b>			
80.32.820	1/2"	70	0,250
<b>Economic</b>			
11.03.821	3/4"	70	0,198

**Pressure Reducing Valve with Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
71.02.560	1/2"	8	0,315
71.05.561	3/4"	8	0,330



**Safety Valve-Fixed Setting**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
71.10.601	1/2"	20	0,090

Please specify 3-4-6 or 8 bars in your orders.



**Safety Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
71.01.508	1/2"	250	0,075
71.01.509	1/2"	250	0,083

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



Thermostatic Radiator Valve Set  
(Angle Type)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.02.305-KAS	1/2"	20	0,490

Angle Thermostatic  
Radiator Valve

**%30**

Power Economy *////*



**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**Angle Radiator Valve Sealed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.08.303-01	1/2"	50	0,195
04.08.307-01	1/2"	50	0,170
04.15.307-01	1/2"	50	0,158



**Angle Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.01.303-01	1/2"	50	0,191
04.01.307-01	1/2"	50	0,166
04.14.307-01	1/2"	50	0,147



**Angle Radiator Valve Sealed Type (Pex-B)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.08.308-01	1/2" 16x2	50	0,210
04.15.309-01	1/2" 16x2	50	0,180



**Angle Radiator Valve (Pex-B)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.01.308-01	1/2"	50	0,196
04.01.309-01	1/2"	50	0,176
04.14.309-01	1/2"	50	0,170



▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



**Straight Radiator Valve - Sealed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Sealed Type</b>			
04.08.301-01	1/2"	50	0,203
04.06.311-01	3/4"	50	0,266



**Straight Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Non Sealed</b>			
04.02.301-01	1/2"	50	0,200
04.05.311-01	3/4"	50	0,265
04.04.301-01	1/2" Pex-B	50	0,250



**Angle Radiator Valve For Copper Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.01.304-01	1/2"	50	0,195

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**Angle Radiator Valve Sealed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.08.303	1/2"	50	0,205
04.08.307	1/2"	50	0,180
04.15.307	1/2"	50	0,168



**Angle Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.01.303	1/2"	50	0,201
04.01.307	1/2"	50	0,176
04.14.307	1/2"	50	0,157



**Angle Radiator Valve Sealed Type (Pex-B)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.08.308	1/2" 16x2	50	0,220
04.15.309	1/2" 16x2	50	0,190



**Angle Radiator Valve (Pex-B)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.01.308	1/2"	50	0,206
04.01.309	1/2"	50	0,186
04.14.309	1/2"	50	0,180

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



**Straight Radiator Valve - Sealed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.08.301	1/2"	50	0,213
04.06.311	3/4"	50	0,276



**Straight Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.02.301	1/2"	50	0,210
04.05.311	3/4"	50	0,275
04.04.301	1/2" Pex-B	50	0,260



**Angle Radiator Valve For Copper Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.01.304	1/2"	50	0,205

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**Lockshield Angle Radiator Valve Sealed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.10.305	1/2"	100	0,135
04.10.308	1/2" Pex-B	100	0,182



**Lockshield Angle Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.04.305	1/2" 16x2	100	0,125
04.04.308	1/2" Corner Pex-B 16x2	100	0,150



**Lockshield Radiator Valve Straight Sealed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.10.301	1/2"	100	0,203



**Lockshield Radiator Valve Straight Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.03.301	1/2"	100	0,180

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



Angle Radiator Valve Sealed Type

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.12.303	1/2"	70	0,217



Angle Radiator Valve

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.11.303	1/2"	70	0,211



Angle Radiator Valve Sealed Type (Pex-B)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.12.308	1/2" Pex-B	70	0,220



Angle Radiator Valve (Pex-B)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
04.11.308	1/2" Pex-B	70	0,218

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



EN 215

**Angle Thermostatic Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.40.001	1/2"	30	0,178
13.40.014	1/2" Pex-B	30	0,202



EN 215

**Angle Thermostatic Radiator Valve (Plug-in System)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.50.001	1/2"	30	0,393
13.50.002	1/2" Pex-B	30	0,393



EN 215

**Angle Thermostatic Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.02.001	1/2"	30	0,317



EN 215

**Angle Thermostatic Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.15.014	1/2" Pex-B	30	0,351

▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



EN 215

**Axial Thermostatic Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.09.007	1/2"	30	0,361



EN 215

**Radiator Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.04.009	1/2"	30	0,253



**Compact Thermostatic Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.60.021	Compact	30	0,065
13.60.023	Compact (For Aluminium)	30	0,160
13.60.024	Compact (For Aluminium)	30	0,105
13.60.025	Compact (For Aluminium)	30	0,110

\* Can be fixed to 15 °C min.

**▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS**



**new product**

**Angle Thermostatic Radiator Valve With Bilist**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.70.002	1/2" Pex-B	30	0,520



**new product**

**Angle Thermostatic Radiator Valve With Bilist**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
13.70.001	1/2"	30	0,497



▲ WATER AND NATURAL GAS INSTALLATION PRODUCTS



**Straight Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
03.01.250	1/2"	150	0,115
03.01.251	3/4"	90	0,168
03.01.252	1"	50	0,251



**Angle Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
03.02.260	1/2"	150	0,143
03.02.261	3/4"	100	0,208
03.02.262	1"	50	0,337



**Reduction Nipple (M-M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
02.03.210	3/8" - 1/2"	300	0,033
02.03.211	1/2" - 3/4"	250	0,052
02.03.212	3/4" - 1"	100	0,096



**Nipples**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
02.02.200	3/8"	500	0,019
02.02.201	1/2"	250	0,033
02.02.202	3/4"	200	0,060
02.02.203	1"	100	0,112



**Reduction Nipple (M-F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
02.01.195	3/8" - 1/2"	500	0,018
02.01.196	1/2" - 3/4"	300	0,034



**Coupling Hose Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.23.241	1/2"	500	0,025
80.23.242	3/4"	300	0,039
80.23.243	1"	150	0,062
80.23.244	1 1/4"	100	0,075
80.23.245	1 1/2"	75	0,137
80.23.246	2"	40	0,210



**Water Meter Fitting**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.22.191	3/4"	100	0,095

# Combined Air Separator

## Heating Systems Accessories

**Measurement Ranges:** 0-4 bar

**Working Pressure:** %75 of Full Scale

**Overpressure Resistance:** 1,25x Full Scale

**Working Temperature Range:** -20 + 60 ° C

**Connections:** G 1/4" Bottom

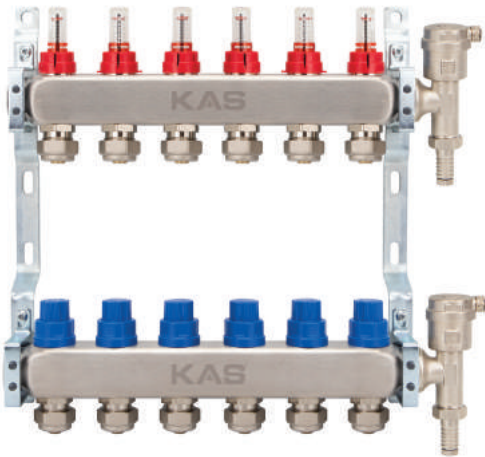
**Note:** Other pressure ranges can be ordered.



# **Manifold & Underfloor**

*Heating* 

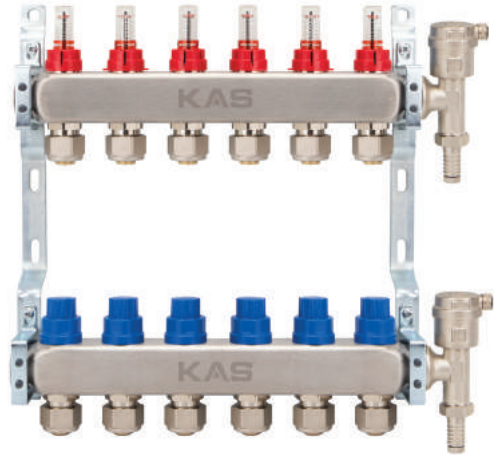
**▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS**



**new product**

**16x2 Eurocone Connection Stainless Steel Manifold Set with Flow Meter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.81.902	2	1	2,063
18.81.903	3	1	2,563
18.81.904	4	1	3,063
18.81.905	5	1	3,573
18.81.906	6	1	4,075
18.81.907	7	1	4,574
18.81.908	8	1	5,074
18.81.909	9	1	5,575
18.81.910	10	1	6,076
18.81.911	11	1	6,575
18.81.912	12	1	7,075

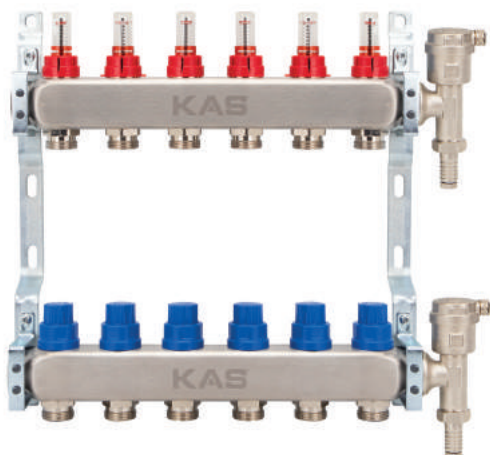


**new product**

**20x2 Eurocone Connection Stainless Steel Manifold Set with Flow Meter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.83.902	2	1	2,155
18.83.903	3	1	2,703
18.83.904	4	1	3,252
18.83.905	5	1	3,800
18.83.906	6	1	4,347
18.83.907	7	1	4,895
18.83.908	8	1	5,442
18.83.909	9	1	5,991
18.83.910	10	1	6,538
18.83.911	11	1	7,087
18.83.912	12	1	7,635

▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS



new product

**3/4 Eurocone Connection Stainless Steel Manifold Set with Flow Meter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.84.902	2	1	1,844
18.84.903	3	1	2,231
18.84.904	4	1	2,618
18.84.905	5	1	3,005
18.84.906	6	1	3,392
18.84.907	7	1	3,779
18.84.908	8	1	4,166
18.84.909	9	1	4,463
18.84.910	10	1	4,940
18.84.911	11	1	5,327
18.84.912	12	1	5,714



new product

**16x2 Eurocone Connection Set**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.09.520	16x2	150	0,055



new product

**20x2 Eurocone Connection Set**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.09.522	20x2	125	0,079

**▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS**



**Stainless Steel Manifold Set with Flow Meter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.22.902	2	1	1,910
18.22.903	3	1	2,370
18.22.904	4	1	2,820
18.22.905	5	1	3,230
18.22.906	6	1	3,690
18.22.907	7	1	4,170
18.22.908	8	1	4,570
18.22.909	9	1	4,990
18.22.910	10	1	5,470
18.22.911	11	1	5,930
18.22.912	12	1	6,330



**Brass Manifold Set with Flow Meter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.25.902	2	1	2,500
18.25.903	3	1	2,970
18.25.904	4	1	3,420
18.25.905	5	1	3,830
18.25.906	6	1	4,400
18.25.907	7	1	4,770
18.25.908	8	1	5,170
18.25.909	9	1	5,600
18.25.910	10	1	6,070
18.25.911	11	1	6,530
18.25.912	12	1	6,930

## ▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS



**1" Flow Meter Controlled Manifold (16X2)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.15.502	2	21	0,579
18.15.503	3	14	0,870
18.15.504	4	14	1,146
18.15.505	5	14	1,443
18.15.506	6	7	1,740
18.15.507	7	7	2,016
18.15.508	8	7	2,313
18.15.509	9	7	2,410
18.15.510	10	7	2,836
18.15.511	11	7	3,183
18.15.512	12	7	3,480
18.15.513	13	7	3,756



**1" Thermostatic Manifold (16X2)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.16.502	2	30	0,655
18.16.503	3	20	0,971
18.16.504	4	20	1,262
18.16.505	5	20	1,578
18.16.506	6	10	1,894
18.16.507	7	10	2,185
18.16.508	8	10	2,501
18.16.509	9	10	2,817
18.16.510	10	10	3,108
18.16.511	11	10	3,424
18.16.512	12	10	3,740
18.16.513	13	10	4,001



**Mini Valve 3/8" Manifold 1"**

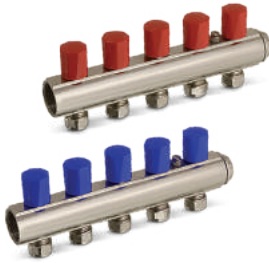
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.19.882	2	30	0,485
18.19.883	3	20	0,705
18.19.884	4	20	0,940
18.19.885	5	20	1,150
18.19.886	6	10	1,360
18.19.887	7	10	1,580
18.19.888	8	10	1,860
18.19.889	9	10	2,030
18.19.890	10	10	2,260
18.19.891	11	10	2,430
18.19.892	12	10	2,600
18.19.893	13	10	2,880



**1" Manifold Profile**

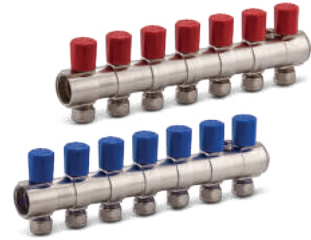
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.02.352	2	20	0,373
18.02.353	3	20	0,531
18.02.354	4	20	0,710
18.02.355	5	20	0,890
18.02.356	6	10	1,035
18.02.357	7	10	1,248
18.02.358	8	10	1,425
18.02.359	9	10	1,560
18.02.360	10	10	1,725
18.02.361	11	10	1,903
18.02.362	12	10	2,139
18.02.363	13	10	2,443

**▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS**



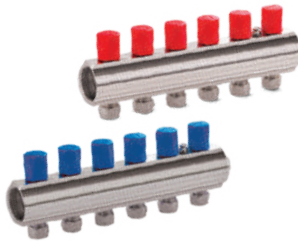
**1" Manifold Completed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.01.482	2	30	0,492
18.01.483	3	20	0,713
18.01.484	4	20	0,924
18.01.485	5	20	1,142
18.01.486	6	10	1,372
18.01.487	7	10	1,583
18.01.488	8	10	1,793
18.01.489	9	10	2,011
18.01.490	10	10	2,248
18.01.491	11	10	2,493
18.01.492	12	10	2,687
18.01.493	13	10	3,000



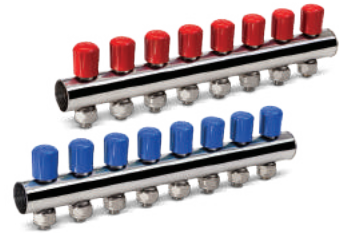
**1 " Completed Type Manifold - (Eco)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.01.582	2	30	0,469
18.01.583	3	20	0,713
18.01.584	4	20	0,854
18.01.585	5	20	1,042
18.01.586	6	10	1,239
18.01.587	7	10	1,423
18.01.588	8	10	1,619
18.01.589	9	10	1,796
18.01.590	10	10	1,991
18.01.591	11	10	2,165
18.01.592	12	10	2,757
18.01.593	13	10	3,000



**1 1/4" Manifold Completed Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.03.702	2	16	0,750
18.03.703	3	16	1,128
18.03.704	4	16	1,469
18.03.705	5	16	1,804
18.03.706	6	8	1,926
18.03.707	7	8	2,462
18.03.708	8	8	2,514
18.03.709	9	8	2,851
18.03.710	10	8	3,136
18.03.711	11	8	3,805
18.03.712	12	8	4,145
18.03.713	13	8	4,479



**1" Stainless Steel Manifold (PN10)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.21.782	2	30	0,395
18.21.783	3	20	0,550
18.21.784	4	20	0,720
18.21.785	5	20	0,880
18.21.786	6	10	1,040
18.21.787	7	10	1,174
18.21.788	8	10	1,332
18.21.789	9	10	1,536
18.21.790	10	10	1,675



▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS



Manifold By-pass

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
14.01.878	16x2	40	0,286



Manifold By-pass / H-Ventil

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.05.881	H-Ventil	40	0,335



Air Vent

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.57.507	1/2"	76	0,134



1" Drain Cock For Manifold

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.09.350	Manuel	75	0,180
18.09.351	Auto	50	0,256



Manifold Clamp

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
18.20.502	1"	40	0,224
18.20.503	1 1/4"	30	0,282
18.20.504	1"	40	0,215



Manifold Box

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
70.01.390	40x60	1	6,600
70.01.391	60x60	1	7,480
70.01.392	80x60	1	10,000

**▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS**



**Mini Brass Ball Valve With  
Hose Conn. Socket + Blind Plug**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
05.04.322	1/2"	100	0,129



**Mini Brass Ball Valve For  
Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
05.01.312	Pex-B F 16x2	180	0,125
05.01.313	Pex-B F 17x2	150	0,135



**Mini Brass Ball Valve For  
Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
05.02.312	Pex-B M 16 x 2	150	0,146
05.02.313	Pex-B M 17 x 2	150	0,156
05.02.311	Pex-B M 16 x 2	150	0,156
05.04.313	Pex-B M 20 x 2	120	0,166



**Mini Brass Ball Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
05.03.321	3/8"	250	0,062
05.03.322	1/2"	200	0,097
05.03.323	3/4"	120	0,143

▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS



**Under Floor Union For Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.01.314	16x2	250	0,054



**Under Floor Union For Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.01.317	17x2	250	0,080
06.01.318	16x2	250	0,054



**Hose Connection Coupling**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.03.320	16x2	250	0,079



**Under Floor Union For Pipe Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.02.315	16x2	250	0,062
06.02.316	17x2	250	0,085



**Hose Connection Coupling**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.03.319	16x2	250	0,084



**Under Floor Heating Hose Blind Plug**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
06.04.480	16x2	250	0,079



# Underfloor Heating Systems

## What is Underfloor Heating?

Underfloor heating is a heating system that provides climate control in residences by using conduction and convection currents. It is quite advantageous in terms of thermal comfort, ergonomics, energy efficiency and safety.

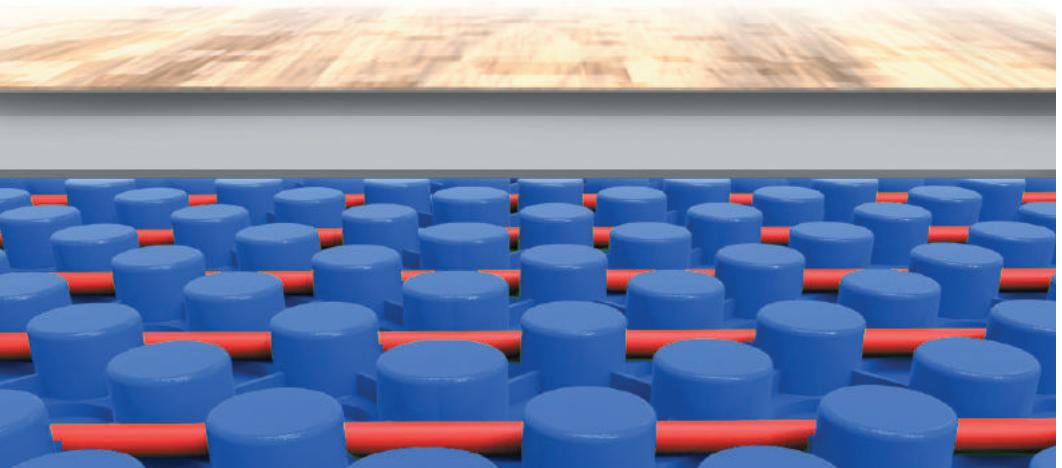
It can be applied in any location and climate if the right engineering planning is carried out. Heating is provided by warm water between 30°C - 50°C. Heat distribution is homogeneous and unlike other heating systems, there is no heat accumulation on the ceiling. It can be used in residences, schools, hospitals, mosques, mass residences, Turkish baths, swimming pools, greenhouses, airports, roads and all similar places.

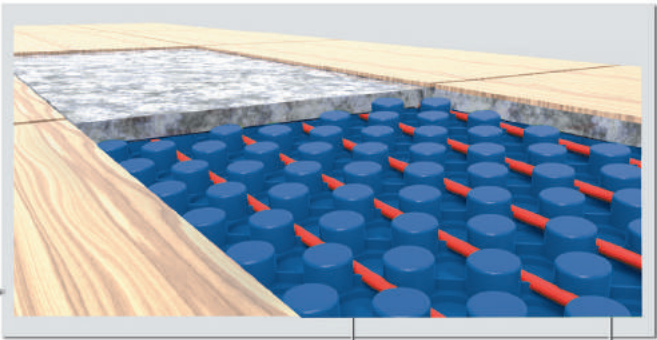
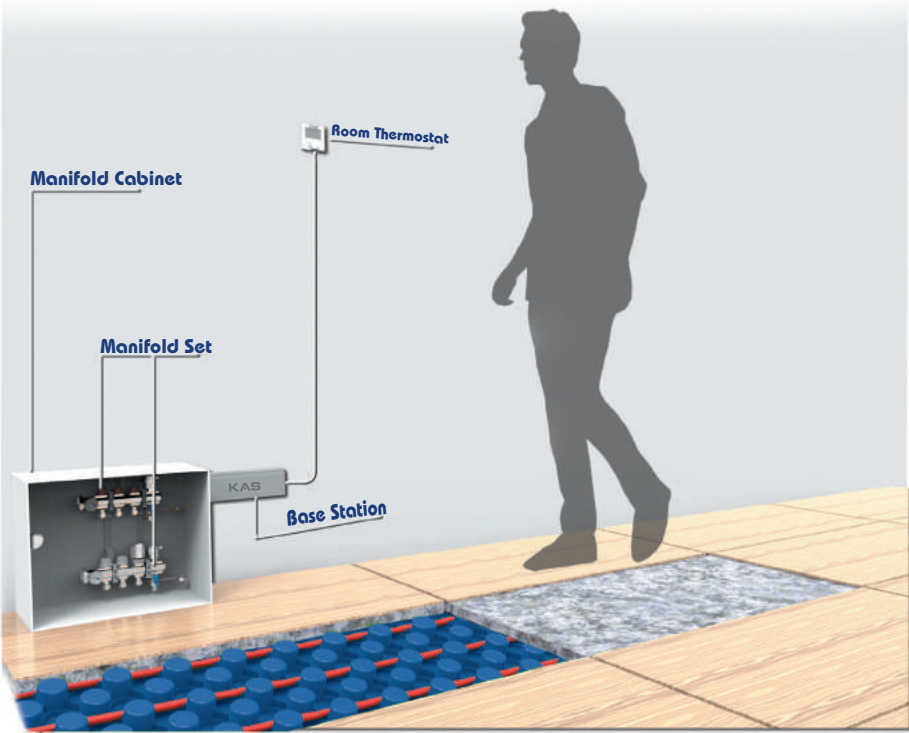
## How do we do it ?

Different temperature values are recommended according to TS 2164 for comfort and health purposes in every living space. In order to increase the efficiency in heating systems, it is necessary to use quality materials, to have good insulation, and to execute room-based floor heating calculations professionally.

As a result of the professional R&D studies of KAS Company, KAS Therm Brand has been created for underfloor heating systems.

KAS Therm Team closely follows the constantly developing heating system techniques and technologies, and carries out studies for quality materials, quality infrastructure and highly efficient air conditioning.





Underfloor Heating Styrofoam

Pe-RT Pipe

for more information



**▲ MANIFOLD AND UNDERFLOOR HEATING GROUPS**



**Pipe Sealant**

PRODUCT CODE	PCS/BOX	Pcs/Net ML
74.01.711	120	50

**General information**

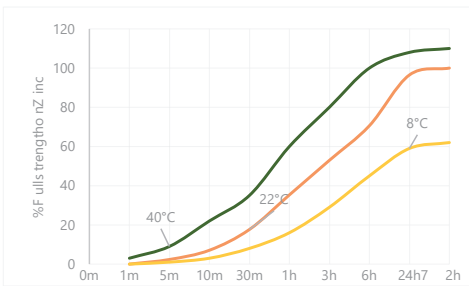
PS 43 anaerobic adhesive and sealants are advanced materials with single component and solvent free feature. The products are specifically formulated for sealing, retaining, locking and bonding of metal or metal plated assemblies. Anaerobic adhesives are stable when in contact with oxygen in air. As the product is placed between two mating metallic surfaces, where oxygen contact is vanished, polymerization starts and forms strong, vibration and pressure proof polymer layer.

**Product description**

PS 43 Pipe Sealant 5543 is a medium viscosity and medium strength anaerobic pipe sealant. Thixotropic formulation reduces run-off and migration of the product before assembly. It can be easily applied to threaded joints and removed easily with hand tools. With its specialized formulation, Pipe Sealant 5543 can be used applications where high pressure proof or oil resistance is required. The product resists very high pressures, after full curing.

**Curing speed at different temperatures**

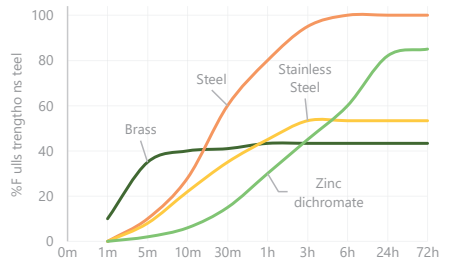
Temperature of medium has great impact on curing performance of anaerobic adhesive. The curing rate developed in time is determined by measuring breakaway torque of bolt and nut specimens. Test details and resultant graphs are given below.



Test method	:	ISO 10964
Bolt and nut specs.	:	M10x25
Conditions	:	22°C

**Curing speed with different substrates**

The curing rate of anaerobic adhesive greatly depends on type of surface material, substrate. The curing rate developed in time is determined by measuring breakaway torque of bolt and nut specimens. Test details and resultant graphs are given below.



# Gas Connection *Hoses* ▶

**▲ BRAIDED HIGH QUALITY GAS CONNECTION HOSES**



**Nut – Nipple (F/M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
54.06.050	50 cm	25	0,255
54.06.075	75 cm	25	0,321
54.06.100	100 cm	25	0,399
54.06.125	125 cm	25	0,467
54.06.150	150 cm	20	0,515
54.06.175	175 cm	20	0,591
54.06.200	200 cm	20	0,655



**Nut – Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
54.07.050	50 cm	25	0,219
54.07.075	75 cm	25	0,305
54.07.100	100 cm	25	0,352
54.07.125	125 cm	25	0,423
54.07.150	150 cm	25	0,393
54.07.175	175 cm	25	0,245
54.07.200	200 cm	25	0,619



**With Elbow 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.11.050	50 cm	25	0,221
54.11.075	75 cm	25	0,321
54.11.100	100 cm	25	0,426
54.11.125	125 cm	25	0,527
54.11.150	150 cm	25	0,637
54.11.175	175 cm	25	0,642
54.11.200	200 cm	25	0,826



**With Elbow 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.10.050	50 cm	30	0,450
54.10.075	75 cm	30	0,675
54.10.100	100 cm	30	0,900
54.10.125	125 cm	20	1,125
54.10.150	150 cm	20	1,350
54.10.175	175 cm	20	1,575
54.10.200	200 cm	20	1,800



▲ BRAIDED HIGH QUALITY GAS CONNECTION HOSES



**With Bayonet 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.13.050	50 cm	30	0,450
54.13.075	75 cm	30	0,675
54.13.100	100 cm	30	0,900
54.13.125	125 cm	20	1,125
54.13.150	150 cm	20	1,350
54.13.175	175 cm	20	1,575
54.13.200	200 cm	20	1,800



**With Bayonet 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.14.050	50 cm	30	0,450
54.14.075	75 cm	30	0,675
54.14.100	100 cm	30	0,900
54.14.125	125 cm	20	1,125
54.14.150	150 cm	20	1,350
54.14.175	175 cm	20	1,575
54.14.200	200 cm	20	1,800



**With Security Valve 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.17.050	50 cm	25	0,384
54.17.075	75 cm	25	0,450
54.17.100	100 cm	25	0,530
54.17.125	125 cm	20	0,610
54.17.150	150 cm	20	0,670
54.17.175	175 cm	20	0,750
54.17.200	200 cm	20	0,830



**With Security Valve 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.25.050	50 cm	25	0,390
54.25.075	75 cm	25	0,460
54.25.100	100 cm	25	0,530
54.25.125	125 cm	20	0,600
54.25.150	150 cm	20	0,680
54.25.175	175 cm	20	0,730
54.25.200	200 cm	20	0,790

*Extensible  
Connection Hoses*





**Well**  
the long and  
short of it

**▲ EXTENSIBLE CONNECTION HOSES**



**Nut – Nipple (F/M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
30.11.020	10 - 20 cm	75	0,090
30.21.040	20 - 40 cm	75	0,124
30.31.060	30 - 60 cm	75	0,145
30.51.100	50 - 100 cm	75	0,175
30.76.150	75 - 150 cm	50	0,225
30.11.200	100 - 200 cm	50	0,265
<b>3/4" - 3/4" (DN 16)</b>			
31.11.020	10 - 20 cm	50	0,178
31.21.040	20 - 40 cm	50	0,179
31.31.060	30 - 60 cm	50	0,214
31.51.100	50 - 100 cm	50	0,290
31.76.150	75 - 150 cm	30	0,372
31.11.200	100 - 200 cm	30	0,459
<b>1" - 1"</b>			
32.11.020	10 - 20 cm	30	0,606
32.21.040	20 - 40 cm	30	0,670
32.31.060	30 - 60 cm	30	0,734
32.51.100	50 - 100 cm	30	0,862
32.76.150	75 - 150 cm	20	1,022
32.11.200	100 - 200 cm	20	1,182
<b>1/2" - 3/4"</b>			
33.11.020	10 - 20 cm	100	0,093
33.21.040	20 - 40 cm	75	0,130
33.31.060	30 - 60 cm	75	0,156
33.51.100	50 - 100 cm	75	0,190
33.76.150	75 - 150 cm	50	0,260
33.11.200	100 - 200 cm	50	0,315
<b>3/4" - 3/4" (DN 20)</b>			
35.11.020	10 - 20 cm	100	0,115
35.21.040	20 - 40 cm	50	0,166
35.31.060	30 - 60 cm	30	0,195
35.51.100	50 - 100 cm	50	0,300
35.76.150	75 - 150 cm	25	0,420
35.11.200	100 - 200 cm	30	0,570



**Nut – Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
30.10.020	10 - 20 cm	75	0,086
30.20.040	20 - 40 cm	75	0,114
30.30.060	30 - 60 cm	75	0,133
30.50.100	50 - 100 cm	75	0,168
30.75.150	75 - 150 cm	50	0,218
30.10.200	100 - 200 cm	50	0,260
<b>3/4" - 3/4" (DN 16)</b>			
31.10.020	10 - 20 cm	50	0,173
31.20.040	20 - 40 cm	50	0,168
31.30.060	30 - 60 cm	50	0,203
31.50.100	50 - 100 cm	50	0,273
31.75.150	75 - 150 cm	30	0,361
31.10.200	100 - 200 cm	30	0,448
<b>1" - 1"</b>			
32.10.020	10 - 20 cm	30	0,469
32.20.040	20 - 40 cm	30	0,533
32.32.060	30 - 60 cm	30	0,597
32.50.100	50 - 100 cm	30	0,725
32.75.150	75 - 150 cm	20	0,885
32.10.200	100 - 200 cm	20	1,045
<b>1/2" - 3/4"</b>			
33.10.020	10 - 20 cm	100	0,076
33.20.040	20 - 40 cm	75	0,119
33.30.060	30 - 60 cm	75	0,144
33.50.100	50 - 100 cm	75	0,178
33.75.150	75 - 150 cm	50	0,243
33.10.200	100 - 200 cm	50	0,303
<b>3/4" - 3/4" (DN 20)</b>			
35.10.020	10 - 20 cm	100	0,115
35.20.040	20 - 40 cm	50	0,166
35.30.060	30 - 60 cm	30	0,195
35.50.100	50 - 100 cm	50	0,300
35.75.150	75 - 150 cm	25	0,420
35.10.200	100 - 200 cm	30	0,570

\*Economic model with carbon steel fittings are available on request

▲ COATED EXTENSIBLE CONNECTION HOSES



**Nut - Nipple (F/M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
30.11.021	10 - 20 cm	75	0,094
30.21.041	20 - 40 cm	75	0,127
30.31.061	30 - 60 cm	75	0,150
30.51.101	50 - 100 cm	75	0,180
30.76.151	75 - 150 cm	50	0,233
30.11.201	100 - 200 cm	50	0,273
<b>3/4" - 3/4" (DN 16)</b>			
31.11.021	10 - 20 cm	50	0,182
31.21.041	20 - 40 cm	50	0,192
31.31.061	30 - 60 cm	50	0,218
31.51.101	50 - 100 cm	50	0,295
31.76.151	75 - 150 cm	30	0,376
31.11.201	100 - 200 cm	30	0,467
<b>1" - 1"</b>			
32.11.021	10 - 20 cm	30	0,469
32.21.041	20 - 40 cm	30	0,533
32.31.061	30 - 60 cm	30	0,597
32.51.101	50 - 100 cm	30	0,725
32.76.151	75 - 150 cm	20	0,885
32.11.201	100 - 200 cm	20	1,045
<b>1/2" - 3/4"</b>			
33.11.021	10 - 20 cm	100	0,093
33.21.041	20 - 40 cm	75	0,130
33.31.061	30 - 60 cm	75	0,156
33.51.101	50 - 100 cm	75	0,190
33.76.151	75 - 150 cm	50	0,260
33.11.201	100 - 200 cm	50	0,315
<b>3/4" - 3/4" (DN 20)</b>			
35.11.021	10 - 20 cm	100	0,115
35.21.041	20 - 40 cm	50	0,166
35.31.061	30 - 60 cm	30	0,195
35.51.101	50 - 100 cm	50	0,300
35.76.151	75 - 150 cm	25	0,420
35.11.201	100 - 200 cm	30	0,570

**Nut - Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
30.10.021	10 - 20 cm	75	0,090
30.20.041	20 - 40 cm	75	0,117
30.30.061	30 - 60 cm	75	0,138
30.50.101	50 - 100 cm	75	0,176
30.75.151	75 - 150 cm	50	0,225
30.10.201	100 - 200 cm	50	0,269
<b>3/4" - 3/4" (DN 16)</b>			
31.10.021	10 - 20 cm	50	0,177
31.20.041	20 - 40 cm	50	0,168
31.30.061	30 - 60 cm	50	0,206
31.50.101	50 - 100 cm	50	0,284
31.75.151	75 - 150 cm	30	0,365
31.10.201	100 - 200 cm	30	0,456
<b>1" - 1"</b>			
32.10.021	10 - 20 cm	30	0,606
32.20.041	20 - 40 cm	30	0,670
32.30.061	30 - 60 cm	30	0,734
32.50.101	50 - 100 cm	30	0,862
32.75.151	75 - 150 cm	20	1,022
32.10.201	100 - 200 cm	20	1,182
<b>1/2" - 3/4"</b>			
33.10.021	10 - 20 cm	100	0,076
33.20.041	20 - 40 cm	75	0,119
33.30.061	30 - 60 cm	75	0,144
33.50.101	50 - 100 cm	75	0,178
33.75.151	75 - 150 cm	50	0,243
33.10.201	100 - 200 cm	50	0,303
<b>3/4" - 3/4" (DN 20)</b>			
35.10.021	10 - 20 cm	100	0,115
35.20.041	20 - 40 cm	50	0,166
35.30.061	30 - 60 cm	30	0,195
35.50.101	50 - 100 cm	50	0,300
35.75.151	75 - 150 cm	25	0,420
35.10.201	100 - 200 cm	30	0,570

\*Economic model with carbon steel fittings are available on request

**▲ COATED EXTENSIBLE CONNECTION HOSES**



**Nut - Nipple (F/M)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
30.11.029	10 - 20 cm	75	0,090
30.21.049	20 - 40 cm	75	0,124
30.31.069	30 - 60 cm	75	0,145
30.51.109	50 - 100 cm	75	0,175
30.76.159	75 - 150 cm	50	0,225
30.11.209	100 - 200 cm	50	0,265
<b>3/4" - 3/4" (DN 16)</b>			
31.11.029	10 - 20 cm	50	0,178
31.21.049	20 - 40 cm	50	0,179
31.31.069	30 - 60 cm	50	0,214
31.51.109	50 - 100 cm	50	0,290
31.76.159	75 - 150 cm	30	0,372
31.11.209	100 - 200 cm	30	0,459
<b>1" - 1"</b>			
32.11.029	10 - 20 cm	30	0,469
32.21.049	20 - 40 cm	30	0,533
32.31.069	30 - 60 cm	30	0,597
32.51.109	50 - 100 cm	30	0,725
32.76.159	75 - 150 cm	20	0,885
32.11.209	100 - 200 cm	20	1,045
<b>1/2" - 3/4"</b>			
33.11.029	10 - 20 cm	100	0,093
33.21.049	20 - 40 cm	75	0,130
33.31.069	30 - 60 cm	75	0,156
33.51.109	50 - 100 cm	75	0,190
33.76.159	75 - 150 cm	50	0,260
33.11.209	100 - 200 cm	50	0,315
<b>3/4" - 3/4" (DN 20)</b>			
35.11.029	10 - 20 cm	100	0,115
35.21.049	20 - 40 cm	50	0,166
35.31.069	30 - 60 cm	30	0,195
35.51.109	50 - 100 cm	50	0,300
35.76.159	75 - 150 cm	25	0,420
35.11.209	100 - 200 cm	30	0,570

**Nut - Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
30.10.029	10 - 20 cm	75	0,086
30.20.049	20 - 40 cm	75	0,114
30.30.069	30 - 60 cm	75	0,133
30.50.109	50 - 100 cm	75	0,168
30.75.159	75 - 150 cm	50	0,218
30.10.209	100 - 200 cm	50	0,260
<b>3/4" - 3/4" (DN 16)</b>			
31.10.029	10 - 20 cm	50	0,173
31.20.049	20 - 40 cm	50	0,168
31.30.069	30 - 60 cm	50	0,203
31.50.109	50 - 100 cm	50	0,273
31.75.159	75 - 150 cm	30	0,361
31.10.209	100 - 200 cm	30	0,448
<b>1" - 1"</b>			
32.10.029	10 - 20 cm	30	0,606
32.20.049	20 - 40 cm	30	0,670
32.30.069	30 - 60 cm	30	0,734
32.50.109	50 - 100 cm	30	0,862
32.75.159	75 - 150 cm	20	1,022
32.10.209	100 - 200 cm	20	1,182
<b>1/2" - 3/4"</b>			
33.10.029	10 - 20 cm	100	0,076
33.20.049	20 - 40 cm	75	0,119
33.30.069	30 - 60 cm	75	0,144
33.50.109	50 - 100 cm	75	0,178
33.75.159	75 - 150 cm	50	0,243
33.10.209	100 - 200 cm	50	0,303
<b>3/4" - 3/4" (DN 20)</b>			
35.10.029	10 - 20 cm	100	0,115
35.20.049	20 - 40 cm	50	0,166
35.30.069	30 - 60 cm	30	0,195
35.50.109	50 - 100 cm	50	0,300
35.75.159	75 - 150 cm	25	0,420
35.10.209	100 - 200 cm	30	0,570

\*Economic model with carbon steel fittings are available on request

**▲ EXTENSIBLE CONNECTION HOSES - EASY KIT**



**Coated Extendible Connection Hoses Kit**

**Nut – Nipple (M/F)**

PRODUCT CODE	BOX	PCS/M.BOX	Pcs/Net Kgs
<b>3/4" (DN 20) - 1/2"</b>			
38.02.242	Easy KIT (5 Pcs)	6	0,830



**Coated Extendible Connection Hoses Kit**

**Nut – Nipple (M/F)**

PRODUCT CODE	BOX	PCS/M.BOX	Pcs/Net Kgs
<b>3/4" (DN 20) - 1/2"</b>			
38.12.242	Easy KIT (5 Pcs)	6	0,810

**▲ GAS CONNECTION HOSES**



**Nut – Nipple (M/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Cooker-Oven-Stove (1/2" - 1/2")</b>			
41.10.030	30 cm	75	0,119
41.10.040	40 cm	75	0,127
41.10.050	50 cm	75	0,138
41.10.060	60 cm	75	0,149
41.10.070	70 cm	75	0,161
41.10.080	80 cm	50	0,174
41.10.090	90 cm	50	0,186
41.10.100	100 cm	50	0,196
41.10.120	120 cm	50	0,220
41.10.150	150 cm	20	0,257
<b>Combi Boiler (1/2" - 3/4")</b>			
41.12.030	30 cm	50	0,135
41.12.040	40 cm	50	0,145
41.12.050	50 cm	50	0,155
41.12.060	60 cm	50	0,170
41.12.070	70 cm	50	0,180
41.12.080	80 cm	50	0,191
41.12.090	90 cm	50	0,202
41.12.100	100 cm	30	0,213
41.12.120	120 cm	30	0,235
41.12.150	150 cm	30	0,267
41.12.200	200 cm	20	0,323
*Pipe 1/2"			
<b>Combi Boiler (3/4" - 3/4")</b>			
42.13.030	30 cm	50	0,163
42.13.040	40 cm	50	0,185
42.13.050	50 cm	50	0,207
42.13.060	60 cm	30	0,229
42.13.070	70 cm	30	0,251
42.13.080	80 cm	30	0,273
42.13.090	90 cm	30	0,295
42.13.100	100 cm	30	0,317
42.13.120	120 cm	30	0,361
42.13.150	150 cm	20	0,411
42.13.200	200 cm	20	0,487

**Nut – Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Cooker-Oven-Stove (1/2" - 1/2")</b>			
41.18.030	30 cm	75	0,113
41.18.040	40 cm	75	0,123
41.18.050	50 cm	75	0,134
41.18.060	60 cm	50	0,143
41.18.070	70 cm	50	0,154
41.18.080	80 cm	50	0,168
41.18.090	90 cm	50	0,181
41.18.100	100 cm	50	0,194
41.18.120	120 cm	50	0,214
41.18.150	150 cm	25	0,251
<b>Combi Boiler (1/2" - 3/4")</b>			
41.14.030	30 cm	50	0,129
41.14.040	40 cm	50	0,139
41.14.050	50 cm	50	0,149
41.14.060	60 cm	50	0,164
41.14.070	70 cm	50	0,174
41.14.080	80 cm	50	0,185
41.14.090	90 cm	50	0,196
41.14.100	100 cm	30	0,208
41.14.120	120 cm	30	0,229
41.14.150	150 cm	30	0,261
41.14.200	200 cm	20	0,317
*Pipe 1/2"			
<b>Combi Boiler (3/4" - 3/4")</b>			
42.19.030	30 cm	50	0,155
42.19.040	40 cm	50	0,179
42.19.050	50 cm	50	0,201
42.19.060	60 cm	30	0,223
42.19.070	70 cm	30	0,244
42.19.080	80 cm	30	0,267
42.19.090	90 cm	30	0,289
42.19.100	100 cm	30	0,311
42.19.120	120 cm	30	0,355
42.19.150	150 cm	20	0,406
42.19.200	200 cm	20	0,481



**▲ INSULATED GAS CONNECTION HOSES**



**Nut – Nipple (M/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Cooker-Oven-Stove (1/2" - 1/2")</b>			
41.11.030	30 cm	75	0,123
41.11.040	40 cm	75	0,142
41.11.050	50 cm	50	0,161
41.11.060	60 cm	50	0,170
41.11.070	70 cm	50	0,182
41.11.080	80 cm	50	0,192
41.11.090	90 cm	50	0,205
41.11.100	100 cm	50	0,215
41.11.120	120 cm	50	0,235
41.11.150	150 cm	20	0,261
<b>Combi Boiler (1/2" - 3/4")</b>			
41.13.030	30 cm	50	0,140
41.13.040	40 cm	50	0,151
41.13.050	50 cm	50	0,162
41.13.060	60 cm	50	0,174
41.13.070	70 cm	50	0,185
41.13.080	80 cm	50	0,196
41.13.090	90 cm	50	0,206
41.13.100	100 cm	30	0,218
41.13.120	120 cm	30	0,240
41.13.150	150 cm	30	0,272
41.13.200	200 cm	20	0,328
*Pipe 1/2"			
<b>Combi Boiler (3/4" - 3/4")</b>			
42.20.030	30 cm	50	0,175
42.20.040	40 cm	50	0,185
42.20.050	50 cm	50	0,195
42.20.060	60 cm	30	0,212
42.20.070	70 cm	30	0,230
42.20.080	80 cm	30	0,255
42.20.090	90 cm	30	0,265
42.20.100	100 cm	30	0,290
42.20.120	120 cm	30	0,322
42.20.150	150 cm	20	0,373
42.20.200	200 cm	20	0,458

**Nut – Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>Cooker-Oven-Stove (1/2" - 1/2")</b>			
41.19.030	30 cm	75	0,117
41.19.040	40 cm	75	0,136
41.19.050	50 cm	75	0,155
41.19.060	60 cm	50	0,164
41.19.070	70 cm	50	0,176
41.19.080	80 cm	50	0,199
41.19.090	90 cm	50	0,209
41.19.100	100 cm	50	0,221
41.19.120	120 cm	50	0,232
41.19.150	150 cm	20	0,255
<b>Combi Boiler (1/2" - 3/4")</b>			
41.15.030	30 cm	50	0,134
41.15.040	40 cm	50	0,144
41.15.050	50 cm	50	0,154
41.15.060	60 cm	50	0,169
41.15.070	70 cm	50	0,179
41.15.080	80 cm	50	0,190
41.15.090	90 cm	50	0,201
41.15.100	100 cm	30	0,213
41.15.120	120 cm	30	0,234
41.15.150	150 cm	30	0,265
41.15.200	200 cm	20	0,322
*Pipe 1/2"			
<b>Combi Boiler (3/4" - 3/4")</b>			
42.21.030	30 cm	50	0,170
42.21.040	40 cm	50	0,180
42.21.050	50 cm	50	0,190
42.21.060	60 cm	30	0,207
42.21.070	70 cm	30	0,220
42.21.080	80 cm	30	0,250
42.21.090	90 cm	30	0,260
42.21.100	100 cm	30	0,284
42.21.120	120 cm	30	0,317
42.21.150	150 cm	20	0,367
42.21.200	200 cm	20	0,451

# Implement Chart

**Gas:** Natural gas, LPG

**Product Max Working Pressure:**

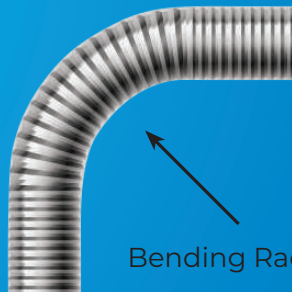
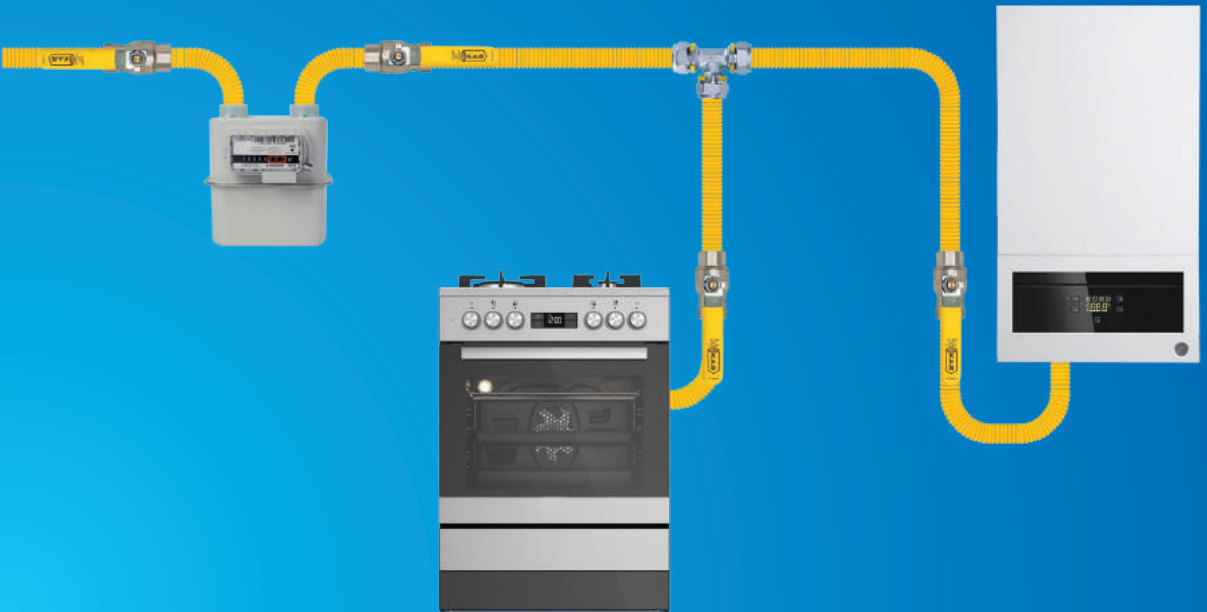
Less than or equal to 500 mbar (0.5 bar).

**KAS-TAK Flex Implementation Area Pressure:**

If the implementation is to be used in residential or domestic appliances (boiler, stove, hot water heater, etc.), the gas pressure after the meter can be made for installations up to 21 mbar.

**KAS-TAK Sample Piping System**

Chart KAS-TAK Hose Bending Radius



Bending Radius

## KAS-TAK Hose Bending Radius

### Min Bending Radius (mm)

DN 16	DN 20	DN 25
20	25	30

**▲ KAS-TAK GAS CONNECTION SYSTEMS**



**KAS - TAK Gas Appliances**

PRODUCT CODE	SIZE	PCS/M	Pcs/Net Kgs
65.16.050	DN 16	1 / 50	11,40
65.20.025	DN 20	1 / 25	7,48
65.25.025	DN 25	1 / 25	9,05
65.32.025	DN 32	1 / 25	14,68



**TEE Connection Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
61.20.020	DN 25 x DN 20 x DN 20	20	0,470
61.20.021	DN 20 x DN 25 x DN 20	10	0,470
61.20.025	DN 25 x DN 20 x DN 25	20	0,544
61.25.020	DN 25 x DN 25 x DN 20	20	0,475
61.25.025	DN 25 x DN 25 x DN 25	20	0,657
61.32.2525	DN 32 x DN 25 x DN 25	12	1,160
61.32.2532	DN 32 x DN 25 x DN 32	12	1,230
61.32.3225	DN 32 x DN 32 x DN 25	10	1,260
61.32.3232	DN 32 x DN 32 x DN 32	10	1,320

## ▲ KAS-TAK GAS CONNECTION SYSTEMS



### Double Sealing Technology

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
60.16.012	DN 16 x 1/2"	30	0,153
60.16.016	DN 16 x 3/4"	30	0,159
60.20.012	DN 20 x 1/2"	40	0,150
60.20.016	DN 20 x 3/4"	40	0,156
60.25.012	DN 25 x 1/2"	32	0,238
60.25.016	DN 25 x 3/4"	32	0,248
60.25.025	DN 25 x 1"	24	0,255
60.32.025	DN 32 x 1"	40	0,516
60.32.032	DN 32 x 1" 1/4"	32	0,531

### Clamp For Gas Appliances

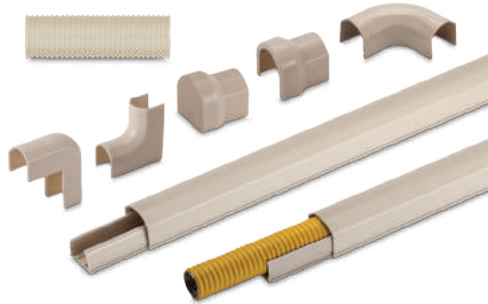
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
60.04.012	1/2" - 3/4" Valve Clamp	300	0,0295
60.04.020	DN20 T Clamp	200	0,0300
60.04.025	DN25 T Clamp	200	0,0368



### Metal-Metal Quick Coupling Union with Purging Valve

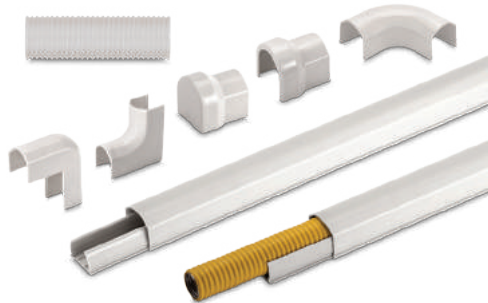
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
60.25.116	DN 25 X 3/4" Threaded Selenoid Joint	16	0,250
60.25.117	DN 25 X 1" Threaded Selenoid Joint	16	0,420
60.25.118	DN 25 X 1" Interior Threaded	16	0,350
60.25.125	DN 25 X 1" With Union	25	0,570
60.32.126	DN 32 - 1 1/4" Air Went	20	1,033

**▲ KAS-TAK GAS CONNECTION SYSTEMS**



**Trunking and Accessories for Flexible Hoses - Cream**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
63.23.001	Hose Trunking 3 m.	9	1,55
63.21.003	L-Corner	50	0,031
63.21.004	Outer Corner	50	0,039
63.21.005	Inner Corner	50	0,035
63.21.006	Wall Pass-through Lid (closed)	50	0,019
63.21.007	Wall Pass-through Lid (open)	50	0,016



**Trunking and Accessories for Flexible Hoses - White**

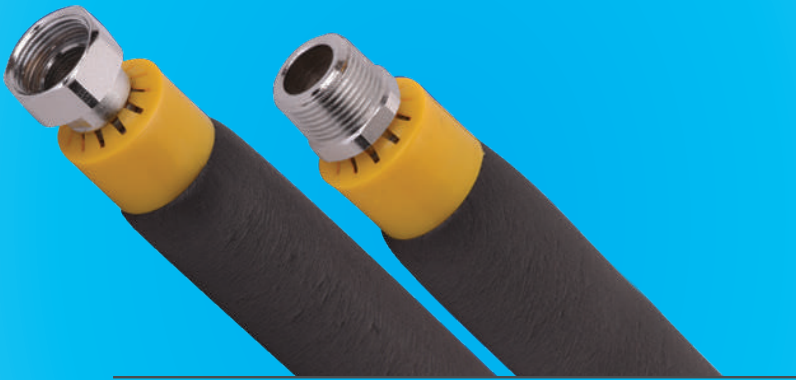
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
63.24.001	Hose Trunking 3 m.	9	1,55
63.22.003	L-Corner	50	0,031
63.22.004	Outer Corner	50	0,039
63.22.005	Inner Corner	50	0,035
63.22.006	Wall Pass-through Lid (closed)	50	0,019
63.22.007	Wall Pass-through Lid (open)	50	0,016

# *Rubber Insulated Fancoil Flex Hoses*

**MOISTURE RESISTANT  
QUICK AND SAFE  
SOLUTION**



- ▲ **Moisture Resistant,**
- ▲ **Less effort,**
- ▲ **Protection against sound.**



### **Rubber Insulated Fancoil Flex Hoses,**

have a bendable and flexible structure. Reliable, quick and easy connection, saving time, pressure and temperature resistant hoses. It prevents the sweating in heating-cooling systems due to rubber insulation.

Rubber Insulated Fancoil Flex Hoses eliminate the problems caused by rigid connection. In very short distances, you can save time with less effort by using hoses instead of mounting with elbows, coupling and union.

KAS Insulated Fancoil Connection Hoses with long service life; practical, safe, quick and easy installation. Thanks to their flexible structure, they are safe against vibration and noise.



# **Water Connection** *Hoses* ▶

**▲ WATER CONNECTION HOSES**



**Nut – Nipple (M/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
44.20.010-01	10 cm	100	0,074
44.20.020-01	20 cm	100	0,077
44.20.030-01	30 cm	75	0,096
44.20.040-01	40 cm	75	0,106
44.20.050-01	50 cm	75	0,116
44.20.060-01	60 cm	50	0,127
44.20.070-01	70 cm	50	0,133
44.20.080-01	80 cm	50	0,142
44.20.090-01	90 cm	50	0,151
44.20.100-01	100 cm	50	0,160
44.20.120-01	120 cm	50	0,178
44.20.150-01	150 cm	20	0,205
44.20.200-01	200 cm	20	0,250
<b>1/2" - 3/4"</b>			
44.22.010-01	10 cm	100	0,110
44.22.020-01	20 cm	75	0,120
44.22.030-01	30 cm	75	0,130
44.22.040-01	40 cm	50	0,140
44.22.050-01	50 cm	50	0,150
44.22.060-01	60 cm	50	0,157
44.22.070-01	70 cm	50	0,165
44.22.080-01	80 cm	50	0,174
44.22.090-01	90 cm	50	0,183
44.22.100-01	100 cm	50	0,192
44.22.120-01	120 cm	50	0,210
44.22.150-01	150 cm	20	0,237
44.22.200-01	200 cm	20	0,282
*Pipe 1/2"			
<b>3/4" - 3/4"</b>			
45.23.010-01	10 cm	100	0,109
45.23.020-01	20 cm	60	0,124
45.23.030-01	30 cm	50	0,141
45.23.040-01	40 cm	50	0,156
45.23.050-01	50 cm	50	0,171
45.23.060-01	60 cm	30	0,183
45.23.070-01	70 cm	30	0,205
45.23.080-01	80 cm	30	0,221
45.23.090-01	90 cm	30	0,231
45.23.100-01	100 cm	30	0,246
45.23.120-01	120 cm	30	0,263
45.23.150-01	150 cm	20	0,312
45.23.200-01	200 cm	20	0,385

**Nut – Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
44.21.010-01	10 cm	100	0,056
44.21.020-01	20 cm	100	0,065
44.21.030-01	30 cm	75	0,075
44.21.040-01	40 cm	75	0,084
44.21.050-01	50 cm	75	0,094
44.21.060-01	60 cm	50	0,102
44.21.070-01	70 cm	50	0,110
44.21.080-01	80 cm	50	0,118
44.21.090-01	90 cm	50	0,126
44.21.100-01	100 cm	50	0,135
44.21.120-01	120 cm	50	0,155
44.21.150-01	150 cm	20	0,183
44.21.200-01	200 cm	20	0,223
<b>1/2" - 3/4"</b>			
44.23.010-01	10 cm	100	0,086
44.23.020-01	20 cm	75	0,096
44.23.030-01	30 cm	75	0,105
44.23.040-01	40 cm	50	0,114
44.23.050-01	50 cm	50	0,123
44.23.060-01	60 cm	50	0,133
44.23.070-01	70 cm	50	0,143
44.23.080-01	80 cm	50	0,151
44.23.090-01	90 cm	50	0,158
44.23.100-01	100 cm	50	0,167
44.23.120-01	120 cm	50	0,185
44.23.150-01	150 cm	20	0,212
44.23.200-01	200 cm	20	0,257
*Pipe 1/2"			
<b>3/4" - 3/4"</b>			
45.24.010-01	10 cm	100	0,081
45.24.020-01	20 cm	60	0,097
45.24.030-01	30 cm	50	0,114
45.24.040-01	40 cm	50	0,126
45.24.050-01	50 cm	50	0,140
45.24.060-01	60 cm	30	0,154
45.24.070-01	70 cm	30	0,169
45.24.080-01	80 cm	30	0,183
45.24.090-01	90 cm	30	0,198
45.24.100-01	100 cm	30	0,213
45.24.120-01	120 cm	30	0,241
45.24.150-01	150 cm	20	0,284
45.24.200-01	200 cm	20	0,357

## ▲ INSULATED WATER CONNECTION HOSES



### Nut - Nipple (M/F)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
44.20.011-01	10 cm	100	0,079
44.20.021-01	20 cm	100	0,082
44.20.031-01	30 cm	75	0,101
44.20.041-01	40 cm	75	0,111
44.20.051-01	50 cm	75	0,121
44.20.061-01	60 cm	50	0,131
44.20.071-01	70 cm	50	0,137
44.20.081-01	80 cm	50	0,148
44.20.091-01	90 cm	50	0,156
44.20.101-01	100 cm	50	0,164
44.20.121-01	120 cm	50	0,183
44.20.151-01	150 cm	20	0,210
44.20.201-01	200 cm	20	0,258
<b>1/2" - 3/4"</b>			
44.22.011-01	10 cm	100	0,113
44.22.021-01	20 cm	75	0,124
44.22.031-01	30 cm	75	0,134
44.22.041-01	40 cm	50	0,145
44.22.051-01	50 cm	50	0,156
44.22.061-01	60 cm	50	0,162
44.22.071-01	70 cm	50	0,171
44.22.081-01	80 cm	50	0,179
44.22.091-01	90 cm	50	0,190
44.22.100-01	100 cm	50	0,199
44.22.120-01	120 cm	50	0,220
44.22.150-01	150 cm	25	0,248
44.22.200-01	200 cm	20	0,300
*Pipe 1/2"			
<b>3/4" - 3/4"</b>			
45.23.011-01	10 cm	100	0,112
45.23.021-01	20 cm	60	0,128
45.23.031-01	30 cm	50	0,145
45.23.041-01	40 cm	50	0,160
45.23.051-01	50 cm	50	0,176
45.23.061-01	60 cm	30	0,190
45.23.071-01	70 cm	30	0,210
45.23.081-01	80 cm	30	0,228
45.23.091-01	90 cm	30	0,237
45.23.101-01	100 cm	30	0,255
45.23.121-01	120 cm	30	0,270
45.23.151-01	150 cm	20	0,320
45.23.201-01	200 cm	20	0,397

### Nut - Nut (F/F)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
44.21.011-01	10 cm	100	0,058
44.21.021-01	20 cm	100	0,068
44.21.031-01	30 cm	75	0,078
44.21.041-01	40 cm	75	0,089
44.21.051-01	50 cm	75	0,099
44.21.061-01	60 cm	50	0,107
44.21.071-01	70 cm	50	0,115
44.21.081-01	80 cm	50	0,123
44.21.091-01	90 cm	50	0,133
44.21.101-01	100 cm	50	0,142
44.21.121-01	120 cm	50	0,162
44.21.151-01	150 cm	20	0,191
44.21.201-01	200 cm	20	0,232
<b>1/2" - 3/4"</b>			
44.23.011-01	10 cm	100	0,088
44.23.021-01	20 cm	75	0,100
44.23.031-01	30 cm	75	0,108
44.23.041-01	40 cm	50	0,118
44.23.051-01	50 cm	50	0,128
44.23.061-01	60 cm	50	0,137
44.23.071-01	70 cm	50	0,149
44.23.081-01	80 cm	50	0,156
44.23.091-01	90 cm	50	0,165
44.23.100-01	100 cm	50	0,175
44.23.120-01	120 cm	50	0,192
44.23.150-01	150 cm	20	0,219
44.23.200-01	200 cm	20	0,265
*Pipe 1/2"			
<b>3/4" - 3/4"</b>			
45.24.011-01	10 cm	100	0,084
45.24.021-01	20 cm	60	0,100
45.24.031-01	30 cm	50	0,117
45.24.041-01	40 cm	50	0,130
45.24.051-01	50 cm	50	0,145
45.24.061-01	60 cm	30	0,160
45.24.071-01	70 cm	30	0,175
45.24.081-01	80 cm	30	0,189
45.24.091-01	90 cm	30	0,205
45.24.101-01	100 cm	30	0,218
45.24.121-01	120 cm	30	0,249
45.24.151-01	150 cm	20	0,293
45.24.201-01	200 cm	20	0,369

**▲ FANCOIL WATER CONNECTION HOSES**



**Nut – Nipple (M/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
43.17.020-01	20 cm	50	0,085
43.17.025-01	25 cm	50	0,095
43.17.030-01	30 cm	50	0,119
43.17.035-01	35 cm	50	0,124
43.17.040-01	40 cm	50	0,127
43.17.050-01	50 cm	50	0,138
43.17.060-01	60 cm	50	0,149
43.17.070-01	70 cm	50	0,161
43.17.080-01	80 cm	50	0,174
<b>1/2" - 3/4"</b>			
43.21.020-01	20 cm	50	0,102
43.21.025-01	25 cm	50	0,108
43.21.030-01	30 cm	50	0,113
43.21.035-01	35 cm	50	0,118
43.21.040-01	40 cm	50	0,123
43.21.050-01	50 cm	50	0,134
43.21.060-01	60 cm	50	0,145
43.21.070-01	70 cm	50	0,156
43.21.080-01	80 cm	50	0,167
*Pipe 1/2"			
<b>3/4" - 3/4"</b>			
43.19.020-01	20 cm	50	0,148
43.19.025-01	25 cm	50	0,158
43.19.030-01	30 cm	50	0,169
43.19.035-01	35 cm	50	0,178
43.19.040-01	40 cm	50	0,183
43.19.050-01	50 cm	50	0,198
43.19.060-01	60 cm	30	0,218
43.19.070-01	70 cm	30	0,237
43.19.080-01	80 cm	30	0,254
<b>3/4" - 1"</b>			
43.23.020-01	20 cm	50	0,168
43.23.025-01	25 cm	50	0,176
43.23.030-01	30 cm	50	0,184
43.23.035-01	35 cm	50	0,193
43.23.040-01	40 cm	50	0,200
43.23.050-01	50 cm	50	0,223
43.23.060-01	60 cm	50	0,243
43.23.070-01	70 cm	50	0,263
43.23.080-01	80 cm	50	0,283
*Pipe 3/4"			

**Nut – Nut (F/F)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
43.47.020-01	20 cm	50	0,070
43.47.025-01	25 cm	50	0,075
43.47.030-01	30 cm	50	0,080
43.47.035-01	35 cm	50	0,085
43.47.040-01	40 cm	50	0,090
43.47.050-01	50 cm	50	0,095
43.47.060-01	60 cm	50	0,110
43.47.070-01	70 cm	50	0,120
43.47.080-01	80 cm	50	0,133
<b>3/4" - 3/4"</b>			
43.49.020-01	20 cm	50	0,142
43.49.025-01	25 cm	50	0,150
43.49.030-01	30 cm	50	0,158
43.49.035-01	35 cm	50	0,165
43.49.040-01	40 cm	50	0,176
43.49.050-01	50 cm	50	0,193
43.49.060-01	60 cm	30	0,210
43.49.070-01	70 cm	30	0,230
43.49.080-01	80 cm	30	0,252

## ▲ RUBBER INSULATED FANCOIL WATER CONNECTION HOSES



### Nut – Nipple (M/F)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
43.18.020-01	20 cm	25	0,110
43.18.025-01	25 cm	25	0,117
43.18.030-01	30 cm	25	0,120
43.18.035-01	35 cm	25	0,126
43.18.040-01	40 cm	25	0,163
43.18.050-01	50 cm	25	0,166
43.18.060-01	60 cm	25	0,175
43.18.070-01	70 cm	25	0,194
43.18.080-01	80 cm	25	0,205
<b>1/2" - 3/4"</b>			
43.22.020-01	20 cm	25	0,112
43.22.025-01	25 cm	25	0,117
43.22.030-01	30 cm	25	0,122
43.22.035-01	35 cm	25	0,128
43.22.040-01	40 cm	25	0,140
43.22.050-01	50 cm	25	0,155
43.22.060-01	60 cm	25	0,165
43.22.070-01	70 cm	25	0,180
43.22.080-01	80 cm	25	0,210
*Pipe 1/2"			
<b>3/4" - 3/4"</b>			
43.20.020-01	20 cm	25	0,174
43.20.025-01	25 cm	25	0,184
43.20.030-01	30 cm	25	0,189
43.20.035-01	35 cm	25	0,200
43.20.040-01	40 cm	20	0,224
43.20.050-01	50 cm	20	0,232
43.20.060-01	60 cm	20	0,263
43.20.070-01	70 cm	20	0,288
43.20.080-01	80 cm	20	0,310
<b>3/4" - 1"</b>			
43.24.020-01	20 cm	25	0,184
43.24.025-01	25 cm	25	0,194
43.24.030-01	30 cm	25	0,202
43.24.035-01	35 cm	25	0,212
43.24.040-01	40 cm	25	0,224
43.24.050-01	50 cm	25	0,232
43.24.060-01	60 cm	25	0,263
43.24.070-01	70 cm	25	0,288
43.24.080-01	80 cm	25	0,310
*Pipe 3/4"			

### Nut – Nut (F/F)

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
<b>1/2" - 1/2"</b>			
43.48.020-01	20 cm	25	0,105
43.48.025-01	25 cm	25	0,110
43.48.030-01	30 cm	25	0,115
43.48.035-01	35 cm	25	0,121
43.48.040-01	40 cm	25	0,158
43.48.050-01	50 cm	25	0,162
43.48.060-01	60 cm	25	0,170
43.48.070-01	70 cm	25	0,190
43.48.080-01	80 cm	25	0,200
<b>3/4" - 3/4"</b>			
43.50.020-01	20 cm	25	0,110
43.50.025-01	25 cm	25	0,123
43.50.030-01	30 cm	25	0,135
43.50.035-01	35 cm	25	0,147
43.50.040-01	40 cm	20	0,162
43.50.050-01	50 cm	20	0,175
43.50.060-01	60 cm	20	0,187
43.50.070-01	70 cm	20	0,204
43.50.080-01	80 cm	20	0,221

**▲ EN 15266 FLEX PVC COVERED**



**15266 Flex PVC Covered with Ring 1/2" - 1/2"**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.02.050	50 cm	50	0,230
54.02.075	75 cm	25	0,330
54.02.100	100 cm	25	0,400
54.02.125	125 cm	25	0,445
54.02.150	150 cm	20	0,500
54.02.200	200 cm	15	0,620
54.02.300	300 cm	12	0,830
54.02.400	400 cm	12	0,900



**15266 High Quality Gas Connection Hoses**

▲ INSULATED DOUBLE CABLE SOLAR FLEX



Flexible Hose Wide Pitch (Coil)

PRODUCT CODE	SIZE	PCS/M	Pcs/Net Kgs
59.12.051	DN 12	1 / 50	4,150
59.16.051	DN 16	1 / 50	7,600
59.20.051	DN 20	1 / 50	9,350
59.25.510	DN 25	1 / 50	12,600
59.32.030	DN 32	1 / 50	12,000
59.40.025	DN 40	1 / 50	18,500
59.50.020	DN 50	1 / 50	19,500



Insulated Double Cable Solar Flex

PRODUCT CODE	SIZE	PCS/M	Pcs/Net Kgs
57.01.010	DN 16	1 / 10	7,00
57.01.015	DN 16	1 / 15	10,05
57.01.020	DN 16	1 / 20	14,00
57.01.025	DN 16	1 / 25	17,50
57.01.030	DN 16	1 / 30	21,00



Flexible Hose Wide Pitch (Bobbin)

PRODUCT CODE	SIZE	PCS/M	Pcs/Net Kgs
55.02.002	DN 12	1 / 2.250	186,50
55.11.521	DN 16	1 / 1.250	190,00
55.21.001	DN 20	1 / 1.000	187,00
55.31.500	DN 25	1 / 500	126,00
55.32.300	DN 32	1 / 300	120,00
55.40.200	DN 40	1 / 200	150,00
55.50.150	DN 50	1 / 150	50,00

**▲ SOLAR HOSES ACCESSORIES**



**Brass Nut**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
54.00.001	DN 12	250	0,021
54.00.002	DN 16	200	0,032
54.00.003	DN 20	100	0,050
54.00.004	DN 25	100	0,075
54.00.005	DN 32	25	0,187



**S. Steel Ring**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
T-519	DN 12	1000	0,001
T-520	DN 16	1000	0,002
T-521	DN 20	1000	0,002
T-522	DN 25	1000	0,003
T-532	DN 32	500	0,007



**Klingerit Gasket**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
8107	DN 12	1000	0,001
8108	DN 16	1000	0,002
8112	DN 20	1000	0,002
8109	DN 25	1000	0,002
8110-LC	DN 32	500	0,004



**Flattening Tool**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
46.12.016	DN12 - DN16	1	0,085
46.20.025	DN20 - DN25	1	0,098
46.70.001	Body	1	0,630



**Corrugated  
Stainless Steel**  
*Flexible Hoses for  
Solar Industry*



**PPR Pipe &**

*Fittings* ▶

▲ PPRC PIPE AND FITTINGS

new product



Pe-Rt Pipe - 5 Layer

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.50.016	16x2	160	0,090

Pex-B Pipe

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.00.016	16x2	200	0,121
80.01.016	16x2	100	0,117
80.02.016	16x2	100	0,117
81.00.016	O <sub>2</sub> Barrier	160	0,090
81.01.016	O <sub>2</sub> Barrier	100	0,125
81.02.016	O <sub>2</sub> Barrier	100	0,125



Pe-Rt Pipe

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.20.016	16x2	200	0,090
80.21.016	16x2	100	0,123
80.22.016	16x2	100	0,123
80.10.016	O <sub>2</sub> Barrier	160	0,093
80.11.016	O <sub>2</sub> Barrier	100	0,126
80.12.016	O <sub>2</sub> Barrier	100	0,126



new product



Pex Al-Pex Pipe

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.30.016	16x2	200	0,106

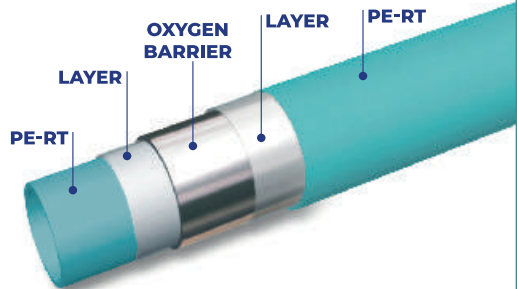
# PE-RT 5 LAYER OXYGEN BARRIER PIPE

- PE-RT phrase is the short form of pipes resistant to **raised temperature**.
- KAS uses new generation **Type 2 PE-RT raw material** in production to offer better pressure resistance.
- Since no chemical material is used, it doesn't lead to health problems and is available to **use for drinking water**.
- KAS PE-RT pipes are packed as rolls, have **very flexible form** and can be easily assembled.

## OFFERS PROTECTION FROM EXTERNAL IMPACTS AND HITS

**BENEFITS OF KAS PE-RT 5 LAYER PIPE**

- It has a flexible form, so can be easily assembled without any additional piece required.
- High temperature and pressure resistance.
- Environment friendly recyclable raw material.
- High resistance against chemicals.
- Easy installation during cold weather conditions without any heating requirement.
- No calcification or corrosion occurs inside the pipe.
- No inner diameter shrinking occurs.
- Can be used for drinking water.
- Pipe rolls can be easily moved and installed.



## ▲ PPRC PIPE AND FITTINGS



### PPR Pipe - PN 10

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.01.020	20	100	0,115
94.01.025	25	80	0,170
94.01.032	32	60	0,265
94.01.040	40	40	0,399
94.01.050	50	20	0,634
94.01.063	63	16	1,141
94.01.075	75	12	1,450
94.01.090	90	8	2,050
94.01.110	110	4	3,040



### PPR Pipe - PN 16

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.02.020	20	100	0,150
94.02.025	25	80	0,225
94.02.032	32	60	0,370
94.02.040	40	40	0,560
94.02.050	50	20	0,919
94.02.063	63	16	1,363
94.02.075	75	12	2,050
94.02.090	90	8	2,930
94.02.110	110	4	4,390



### PPR Pipe - PN 20

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.03.020	20	100	0,166
94.03.025	25	80	0,257
94.03.032	32	60	0,429
94.03.040	40	40	0,671
94.03.050	50	20	1,035
94.03.063	63	16	1,616
94.03.075	75	12	2,350
94.03.090	90	8	3,300
94.03.110	110	4	5,050

**▲ PPR PIPE AND FITTINGS**



**PPR Pipe with Aluminium, Standart PN 20**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.10.020	20	100	0,189
94.10.025	25	80	0,285
94.10.032	32	60	0,463
94.10.040	40	40	0,716
94.10.050	50	20	1,056
94.10.063	63	16	1,731



**PPR Pipe with Aluminium, Standart PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.11.020	20	100	0,189
94.11.025	25	80	0,285
94.11.032	32	60	0,463
94.11.040	40	40	0,716
94.11.050	50	20	1,056
94.11.063	63	16	1,731



**PPR Pipe with Aluminium, UV Cover**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
99.11.020	20	100	0,189
99.11.025	25	80	0,285
99.11.032	32	60	0,463
99.11.040	40	40	0,716
99.11.050	50	20	1,056
99.11.063	63	16	1,731



**PPR Composite Pipe - PN 20**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.06.020	20	100	0,163
94.06.025	25	80	0,267
94.06.032	32	60	0,428
94.06.040	40	40	0,606
94.06.050	50	20	0,999
94.06.063	63	16	1,515
94.06.075	75	12	2,120
94.06.090	90	8	3,120
94.06.110	110	4	4,430



**PPR Composite Pipe - PN 25**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.07.020	20	100	0,182
94.07.025	25	80	0,281
94.07.032	32	60	0,463
94.07.040	40	40	0,681
94.07.050	50	20	1,090
94.07.063	63	16	1,696
94.07.075	75	12	2,480
94.07.090	90	8	3,330
94.07.110	110	4	5,075

▲ PPRC PIPE AND FITTINGS



Tail Elbow 90°

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.13.220	20	300	0,018
94.13.225	25	150	0,033
94.13.232	32	90	0,057



Elbow 90°

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.13.020	20	400	0,016
94.13.025	25	200	0,025
94.13.032	32	125	0,045
94.13.040	40	60	0,075
94.13.050	50	30	0,159
94.13.063	63	18	0,241
94.13.075	75	12	0,440
94.13.090	90	6	0,751
94.13.110	110	3	1,146



Socket

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.17.020	20	600	0,011
94.17.025	25	300	0,016
94.17.032	32	200	0,026
94.17.040	40	100	0,043
94.17.050	50	80	0,089
94.17.063	63	36	0,152
94.17.075	75	24	0,222
94.17.090	90	12	0,433
94.17.110	110	4	0,710



Elbow 45°

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.14.020	20	400	0,014
94.14.025	25	300	0,019
94.14.032	32	150	0,036
94.14.040	40	80	0,059
94.14.050	50	48	0,109
94.14.063	63	21	0,215
94.14.075	75	12	0,356
94.14.090	90	10	0,577
94.14.110	110	4	1,072

**▲ PPRC PIPE AND FITTINGS**



**Equal Tee**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.15.020	20	240	0,022
94.15.025	25	150	0,032
94.15.032	32	75	0,059
94.15.040	40	50	0,099
94.15.050	50	30	0,173
94.15.063	63	16	0,317
94.15.075	75	10	0,515
94.15.090	90	5	0,938
94.15.110	110	2	1,675



**Reduction**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.19.001	25x20	600	0,010
94.19.002	32x20	300	0,014
94.19.003	32x25	300	0,017
94.19.004	40x20	250	0,025
94.19.005	40x25	200	0,027
94.19.006	40x32	160	0,031
94.19.007	50x20	140	0,038
94.19.008	50x25	140	0,045
94.19.009	50x32	125	0,046
94.19.010	50x40	100	0,052
94.19.011	63x20	80	0,075
94.19.012	63x25	80	0,071
94.19.013	63x32	64	0,080
94.19.014	63x40	64	0,091
94.19.015	63x50	52	0,107
94.19.016	75x50	30	0,148
94.19.017	75x63	30	0,185
94.19.018	90x40	20	0,200
94.19.019	90x50	20	0,215
94.19.020	90x63	20	0,247
94.19.021	90x75	20	0,280
94.19.022	110x50	20	0,311
94.19.023	110x63	16	0,365
94.19.024	110x75	16	0,418
94.19.025	110x90	12	0,507



**Reduction Coupling**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.19.101	25x20	300	0,015
94.19.102	32x20	200	0,022
94.19.103	32x25	200	0,023

## ▲ PPRC PIPE AND FITTINGS



### Reduction T

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.16.001	25x20x20	200	0,025
94.16.002	25x20x25	150	0,028
94.16.003	32x20x20	90	0,043
94.16.004	32x20x32	80	0,045
94.16.005	32x25x20	90	0,047
94.16.006	32x25x25	90	0,049
94.16.007	32x25x32	80	0,050
94.16.008	40x20x40	60	0,068
94.16.009	40x25x40	60	0,077
94.16.010	40x32x40	50	0,088
94.16.011	50x20x50	32	0,138
94.16.012	50x25x50	32	0,142
94.16.013	50x32x50	32	0,143
94.16.014	50x40x50	32	0,162
94.16.015	63x20x63	18	0,213
94.16.016	63x25x63	18	0,225
94.16.017	63x32x63	18	0,248
94.16.018	63x40x63	18	0,266
94.16.019	63x50x63	18	0,347
94.16.020	75x20x75	12	0,465
94.16.021	75x25x75	12	0,465
94.16.022	75x32x75	12	0,466
94.16.023	75x40x75	12	0,469
94.16.024	75x50x75	12	0,470
94.16.025	75x63x75	12	0,476
94.16.026	90x20x90	5	0,770
94.16.027	90x25x90	5	0,778
94.16.028	90x32x90	5	0,778
94.16.029	90x40x90	5	0,780
94.16.030	90x50x90	5	0,792
94.16.031	90x63x90	5	0,838
94.16.032	90x75x90	5	0,840
94.16.033	110x20x110	3	1,271
94.16.034	110x25x110	3	1,269
94.16.035	110x32x110	3	1,229
94.16.036	110x40x110	3	1,227
94.16.037	110x50x110	3	1,225
94.16.038	110x63x110	3	1,218
94.16.039	110x75x110	3	1,222
94.16.040	110x90x110	3	1,241

**▲ PPR PIPE AND FITTINGS**



**Cross**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.12.020	20	75	0,048
94.12.025	25	60	0,085
94.12.032	32	40	0,165
94.12.040	40	20	0,250



**Crossover Socket Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.12.120	20	60	0,047
94.12.125	25	60	0,067
94.12.132	32	40	0,135



**C Cross**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.12.220	20	120	0,029
94.12.225	25	120	0,049
94.12.232	32	60	0,091



**PPR Stop Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.676	1/2"	60	0,137
94.33.677	3/4"	50	0,186
94.33.678	1"	30	0,280



**▲ PPRC PIPE AND FITTINGS**



**Cross PPRC Pipe**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.31.020	20 mm	200	0,025
94.31.025	25 mm	140	0,035
94.31.032	32 mm	60	0,064
94.31.040	40 mm	40	0,097



**Double Clamp**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.20.220	20 mm	400	0,011
94.20.225	25 mm	300	0,012
94.20.232	32 mm	200	0,018



**Single Clamp**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.20.020	20	900	0,005
94.20.025	25	900	0,006
94.20.032	32	400	0,010
94.20.040	40	200	0,019

**Single Locked**

94.20.120	20	600	0,006
94.20.125	25	600	0,008
94.20.132	32	300	0,011



**End Cap**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.18.020	20	800	0,008
94.18.025	25	500	0,010
94.18.032	32	300	0,019
94.18.040	40	200	0,035
94.18.050	50	100	0,060
94.18.063	63	60	0,111
94.18.075	75	40	0,146
94.18.090	90	24	0,264
94.18.110	110	12	0,552

**▲ PPRC PIPE AND FITTINGS**



**Blind Cap**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.21.001	20	900	0,006
94.21.002	25	600	0,010
94.21.011	20 (L)	600	0,009
94.21.003	32	400	0,010

**Blind Cap - Long Type**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.21.021	20	200	0,020



**Female Transition**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.22.001	20x1/2"	300	0,042
94.22.002	20x3/4"	160	0,053
94.22.003	25x1/2"	160	0,040
94.22.004	25x3/4"	160	0,057
94.22.014	25x1"	100	0,077
94.22.005	32x1/2"	100	0,080
94.22.006	32x3/4"	100	0,083
94.22.007	32x1"	100	0,085
94.22.008	40x1" 1/4"	48	0,190
94.22.009	1"x1/2"	42	0,266
94.22.010	63x2"	24	0,377
94.22.011	75x2"	8	0,860
94.22.012	90x3"	6	1,330
94.22.013	110x4"	4	1,555

**Male Transition**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.23.001	20x1/2"	250	0,051
94.23.002	20x3/4"	160	0,061
94.23.003	25x1/2"	160	0,049
94.23.004	25x3/4"	160	0,063
94.23.005	32x1/2"	100	0,047
94.23.006	32x3/4"	100	0,087
94.23.007	32x1"	100	0,108
94.23.008	40x1/4"	48	0,268
94.23.009	1"x1/2"	21	0,355
94.23.010	63x2"	24	0,533
94.23.011	75x2"	8	0,955
94.23.012	90x3"	6	1,250
94.23.013	110x4"	3	2,210

▲ PPRC PIPE AND FITTINGS



Male Elbow

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.25.001	20x1/2"	160	0,055
94.25.002	20x3/4"	120	0,072
94.25.003	25x1/2"	120	0,074
94.25.004	25x3/4"	120	0,084
94.25.005	32x1/2"	60	0,112
94.25.006	32x3/4"	60	0,124
94.25.007	32x1"	60	0,139



Female Elbow

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.24.001	20x1/2"	240	0,046
94.24.002	20x3/4"	200	0,063
94.24.003	25x1/2"	120	0,063
94.24.004	25x3/4"	120	0,073
94.24.005	32x1/2"	60	0,060
94.24.006	32x3/4"	60	0,115
94.24.007	32x1"	60	0,116



Male T

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.27.001	20 x 1/2"	160	0,062
94.27.002	20 x 3/4"	150	0,076
94.27.003	25 x 1/2"	100	0,092
94.27.004	25 x 3/4"	100	0,090
94.27.005	32 x 1/2"	60	0,125
94.27.006	32 x 3/4"	60	0,134
94.27.007	32 x 1"	60	0,148



Male Elbow Wall Type

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.29.001	20x1/2"	150	0,058
94.29.002	25x1/2"	120	0,073
94.29.003	25x3/4"	60	0,078



Female Elbow Wall Type

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.28.001	20x1/2"	150	0,052
94.28.002	25x1/2"	120	0,062
94.28.003	25x3/4"	120	0,068

**▲ PPR PIPE AND FITTINGS**



**Female T**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.26.001	20x1/2"	160	0,050
94.26.002	20x3/4"	150	0,067
94.26.003	25x1/2"	100	0,075
94.26.004	25x3/4"	100	0,083
94.26.005	32x1/2"	60	0,112
94.26.006	32x3/4"	60	0,126
94.26.007	32x1"	60	0,128



**PPR Ball Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.670	1/2"	80	0,092
94.33.671	3/4"	70	0,115
94.33.672	1"	60	0,172
94.33.673	1 1/4"	20	0,318
94.33.674	1 1/2"	10	0,696
94.33.675	2"	10	1,090



**Mini PPR Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.800	1/2"	140	0,066
94.33.801	3/4"	100	0,090



**Combi Connection Parts**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.37.440	8 Unit Straight	20	0,703
94.37.441	8 Unit Angle	20	0,738
94.37.442	10 Unit Straight	12	0,968
94.37.443	10 Unit Angle	12	1,000

▲ PPR PIPE AND FITTINGS



**Elbow Nipple With Loose Nut**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.30.003	20x1/2"	200	0,050
94.30.004	25x3/4"	150	0,078



**Nipple With Loose Nut**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.30.001	20x1/2"	300	0,049
94.30.020	20x3/4"	150	0,062
94.30.002	25x3/4"	200	0,065
94.30.005	25x1/2"	250	0,055
94.30.006	25x1"	80	0,092
94.30.007	32x1"	160	0,094



**PPR Filter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.680	1/2"	100	0,081
94.33.681	3/4"	80	0,115
94.33.682	1"	35	0,219



**Water Ball Valve with PPR Connection**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
08.09.730	20 mm	50	0,235
08.09.731	25 mm	40	0,364
08.09.732	32 mm	20	0,540

**▲ PPRC PIPE AND FITTINGS**



**PPRC Radiator Valve (O-Ring)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.710	1/2"	100	0,169
94.33.711	3/4"	60	0,193



**PPRC Radiator Valve (O-Ring)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.712	1/2"	100	0,171
94.33.713	3/4"	60	0,200



**PPRC Radiator Valve**

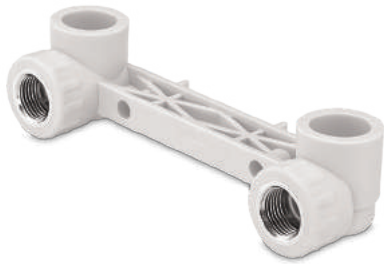
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.700	1/2"	100	0,152
94.33.701	3/4"	60	0,207



**PPRC Radiator Valve**

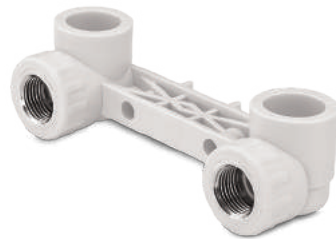
PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.702	1/2"	100	0,171
94.33.703	3/4"	60	0,223

**▲ PPRC PIPE AND FITTINGS**



**Battery Connection (Fixed)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.28.004	20x1/2"	50	0,129
94.28.005	25x1/2"	40	0,126



**Battery Connection (Fixed) - Short**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.28.007	20x1/2"	50	0,135
94.28.008	25x3/4"	50	0,127
94.28.009	25x1/2"	50	0,123
94.28.010	25x3/4"	50	0,135
94.29.007	20x1/2"	50	
94.29.008	20x3/4"	50	
94.29.009	25x1/2"	50	
94.29.010	25x3/4"	50	



**Battery Connection (Fixed) - Short**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.28.006	20x1/2"	50	0,116



**Battery Connection (Adjustable)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.28.012	20x1/2"	27	0,261
94.28.013	25x1/2"	27	0,238

**▲ PPR PIPE AND FITTINGS**



**Battery Connection (Fixed-Male)**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.29.015	20x3/4"	40	0,169



**PPR Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.35.020	20		
94.35.025	25		
94.35.032	32		
94.35.040	40		



**PPR Check Valve**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.33.695	1/2"	100	0,105
94.33.696	3/4"	50	0,111
94.33.697	1"	50	0,120



**Female Transition Union**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.21.730	20x1/2"	200	0,075
80.21.731	25x3/4"	150	0,115
80.21.732	32x1"	100	0,130
80.21.733	40x1" 1/4"	50	0,256
80.21.734	50x1" 1/2"	30	0,456
80.21.735	63x2"	20	0,856



▲ PPR PIPE AND FITTINGS



Male Transition Union

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.21.750	20x1/2"	200	0,084
80.21.751	25x3/4"	150	0,120
80.21.752	32x1"	100	0,168
80.21.753	40x1" 1/4"	50	0,316
80.21.754	50x1" 1/2"	30	0,486
80.21.755	63x2"	20	0,490



PPR Adapter

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.21.770	1/2"	200	0,101
80.21.771	3/4"	150	0,127
80.21.772	1"	100	0,157
80.21.773	1 1/4"	50	0,328
80.21.774	1 1/2"	30	0,400
80.21.775	2"	20	0,645



Male Transition Union

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.21.760	20x3/4"	200	0,125
80.21.761	20x1"	200	0,168
80.21.762	25x1/2"	200	0,161
80.21.763	25x1"	150	0,174
80.21.764	32x1/2"	100	0,000
80.21.765	32x3/4"	100	0,168



Female Transition Union

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
80.21.740	20x3/4"	200	0,075
80.21.741	20x1"	200	0,168
80.21.742	25x1/2"	200	0,110
80.21.743	25x1"	150	0,115
80.21.744	32x1/2"	100	0,150
80.21.745	32x3/4"	100	0,173

**▲ CONCEALED FAUCET SERIES**



**Topaç - Built-in Faucet**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
92.11.312-50	1/2"	36	0,285
92.11.314-50	3/4"	36	0,315



**Piramit - Built-in Faucet**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
92.11.316-50	1/2"	36	0,310
92.11.318-50	3/4"	36	0,350



**Deniz - Built-in Faucet**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
92.11.320-50	1/2"	36	0,435
92.11.322-50	3/4"	36	0,450
92.11.378-50	1"	36	0,495



**Deniz - Built-in Faucet**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
92.11.320-70	1/2"	36	0,435
92.11.322-70	3/4"	36	0,450
92.11.378-70	1"	36	0,495

▲ PPR PIPE AND FITTINGS



**PPR Welding Set**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.00.001	Welding Set	1	4,900



**PPR Pipe Cutter**

PRODUCT CODE	SIZE	PCS/BOX	Pcs/Net Kgs
94.00.002	Pipe Cutter	20	0,350



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