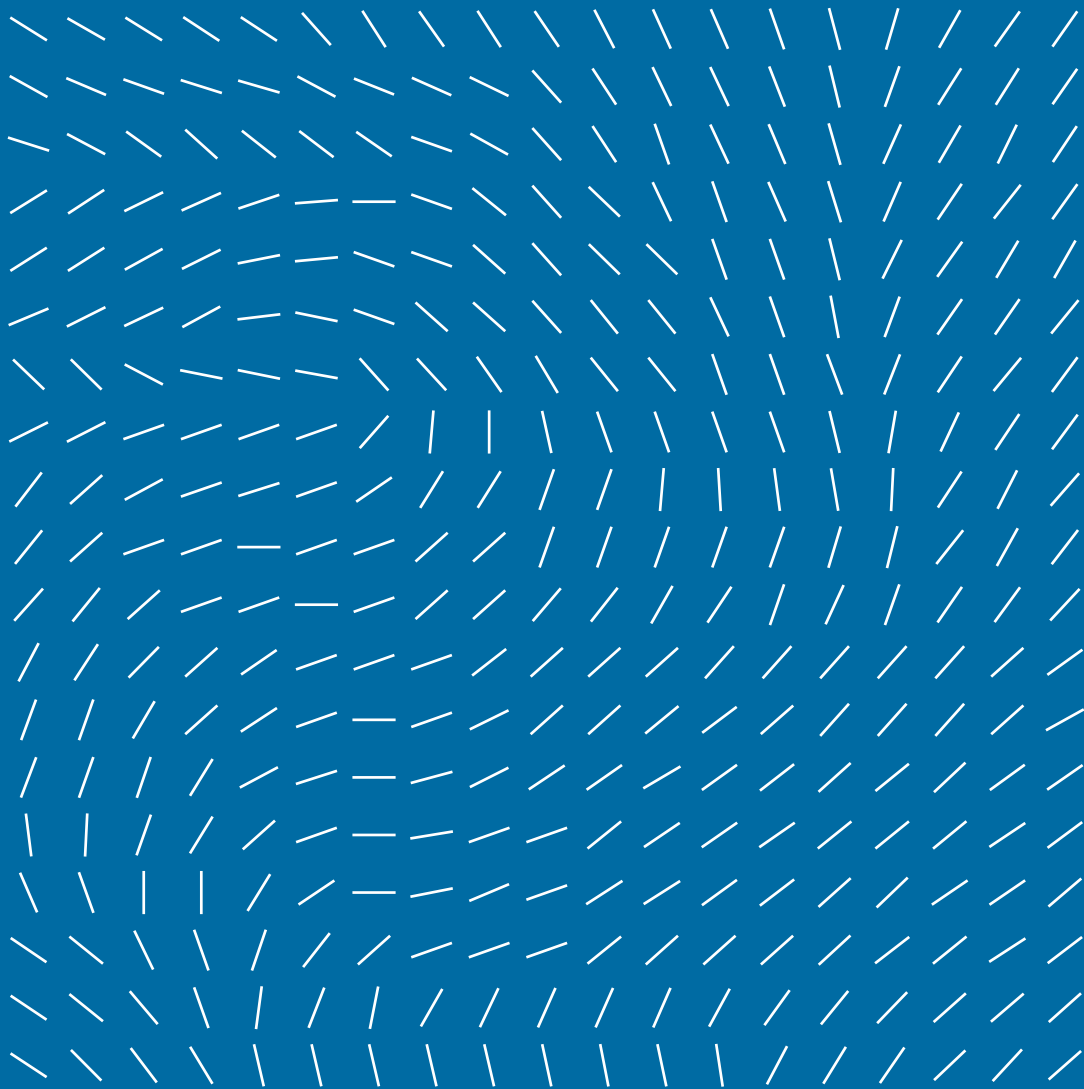


General Catalogue



+GF+

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GF Building Flow Solutions

We believe that the world is in constant flux.
At the heart of this flux is the driving force behind everything: water.

The construction industry accounts for a large share of global carbon dioxide emissions, and as the population grows, we have set ourselves the goal of solving the challenges of our time: We are doing our part to meet the growing demand for energy-efficient and affordable buildings, comfortable and safe homes, and access to clean and safe drinking water.

By combining our trusted brands GF, Uponor and JRG, based on Swiss, Finnish and German quality, we offer safe solutions for the use and distribution of hot and cold water, sound-absorbing building drainage and energy-efficient heating and cooling.

GF Building Flow Solutions

+Partners

For designers, investors, contractors, dealers and installers, ensuring that every joint project stands the test of time.

+Responsible production

Of solutions that protect and responsibly manage drinking water quality throughout the entire water system

+Supplier

Products, solutions and services that help us build energy-efficient buildings that meet appropriate sustainability standards while ensuring maximum comfort

+Enabler

For the efficient and professional planning and implementation of construction projects and for increasing profitability.

+Industry Leader

In reducing emissions, recycling and transitioning to a sustainable development approach

+Employer

That offers a diverse, inclusive and safe work environment

GF Building Flow Solutions, formerly Uponor, is a business division of the international industrial group Georg Fischer, which has sales companies in 30 countries and production facilities in 13 locations in both Europe and America.



About GF Türkiye

Georg Fischer's building division GF Building Flow Solutions is a leader in its sector and produces system solutions and high-quality components for the safe transport of water in public services and building technology. GF Building Flow Solutions is committed to finding new ways to protect and manage water responsibly. With more than 30 production facilities worldwide and reaching over 100 countries, GF acquired Hakan Plastik in 2013 and has maintained its leadership in its field.

Founded in 1965, Hakan Plastik has achieved so many breakthroughs as the first company that produced the silent pipe in Turkey and has reflected the importance that it attaches to development and change to its products and services as well.

GF Türkiye has production plant Çerkezköy with the acquisition by GF global GF Product and process standards applicable worldwide have started to be applied. GF Türkiye operates in the field of Building Technology (BT) plastic piping sector.

Leading position in production

GF Türkiye Training and Technology Center provides all its business partners with services with the aim of increasing the knowledge and awareness in the sector through both technical and practical trainings. Reaching out to a wider audience at the center such as the professionals serving the sector, university students and installers and providing diverse training and seminar programs for each stakeholder; the products of GF Türkiye are promoted and information is provided about the accurate method of application of the products.

Superior Supply Chain Processes

GF Building Flow Solutions, a division of GF, is a leading global provider of sustainable and innovative solutions, making water flow in buildings. The division, stemming from the 2023 acquisition of Uponor by GF, provides safe solutions for hot and cold water supply and control, noise-reducing waste water systems, as well as energy-efficient heating and cooling. Its focus is to enable its customers in the residential and commercial space to be more productive and sustainable, while ensuring comfort, health and efficiency. GF Building Flow Solutions has sales companies in 30 countries and production sites in 13 locations across Europe and the Americas.





Anticipating with expertise and trust

Reliability is essential in waste water management. Our advanced solutions exceed industry expectations. With cutting-edge materials and over 100 years of expertise, we offer systems that are durable, easy to install, and require minimal maintenance. From noise-reducing technology to odor-blocking valves, every feature is designed to enhance com-fort and usability.



Choosing GF Building Flow Solutions means embracing a future where waste water systems are not a challenge – they are a seamless part of modern, comfortable living.



The right choice for
speed and excellence

The full GF Building Flow Solutions Waste Water competence



Our Market Segments

Based on its experience and high production technology in the sector, GF Türkiye supports its clients in each phase of their projects.

- Building Technology Projects
- Utility Projects
- Industrial Buildings

Complete Solution Concept

Our wide range of products and services represent our complete solution concept.

With our products intended for diverse sectors, we offer individual and comprehensive system solutions. Focusing on the needs of projects, we optimize the processes and applications integrated into the entire system.

We provide state-of-the-art technology by setting the standards in the market at all times. We always stand by our business partners through our experience in the piping systems and reliable service network.

As an industrial company that stands out with innovative and successful operations ever since our incorporation, we act as a solution point to meet all your needs based on our technical knowledge, specialization and reliability.



**The right solution
for every application.**

Benefits of Plastics

Plastics are polymers created by the chemical conversion of natural products or synthesized from organic materials. The primary components that make up the building blocks of plastics are long chains of carbon (C) and hydrogen (H) known as monomers.

The raw materials used for the production of plastics are natural compounds such as cellulose, coal, oil and natural gas. In the plastics industry, around 6 % of the petroleum products that come out from refineries is used.

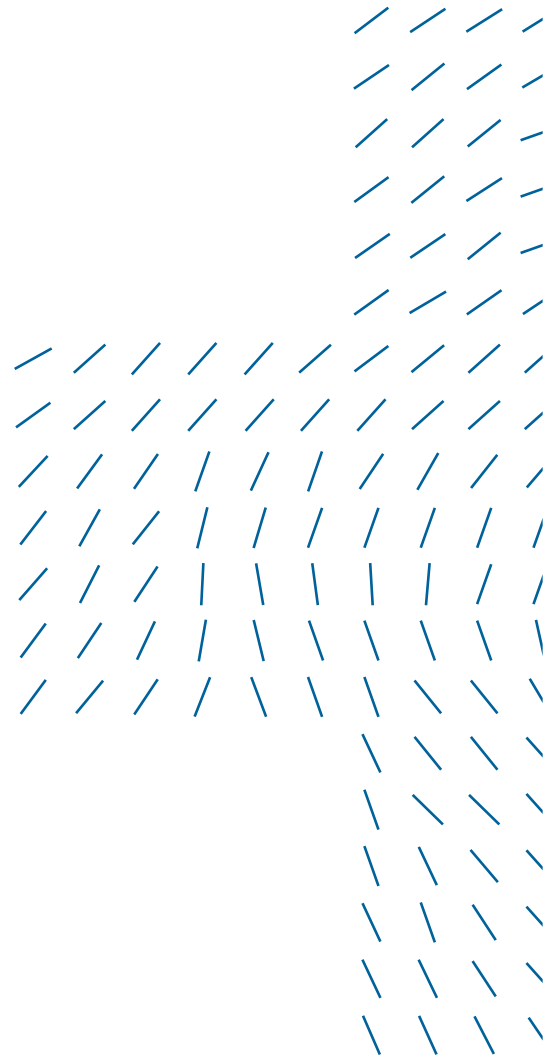
Plastics fall into three main categories on the basis of their internal structure and the resulting mechanical characteristics: thermoplastics, thermosetting plastics and elastomers.

Thermoplastics in turn can be split into two main categories as partially-regulated (semi-crystalline) and irregular (amorphous) molecular structures.

Semicrystalline thermoplastics, which have a partially ordered molecular structure: this category includes the polyolefins (polypropylene, polyethylene, polybutylene) and fluoropolymers (PVDF, PTFE, etc.)

Amorphous thermoplastics, which have no crystalline regions and no packed molecular structure: this category includes the vinyl chlorides (PVC- U, PVCC, etc.) and styrenes (ABS, polystyrene, etc.)

Semi crystalline materials are more suitable for hot welding, while amorphous thermoplastics are ideal for cementing or cold welding (solvent cementing).



Advantages of Plastic Systems

Thermoplastics obviously demonstrate different characteristics than those of the metals traditionally used for piping.

Metal Systems

High density

- Crane needed for transport
- Widely spaced fixings
- High anchoring forces, fixing required

Thermal conductivity

- Insulation is always needed to limit heat loss
- Formation of condensation and resulting corrosion

Corrosion Behaviors

- Galvanic corrosion may occur
 - Internal diameter is reduced due to corrosion
- Reduction in internal diameter leads to pressure losses

Chemical resistance

- Low resistance to acids, requiring use of costly alloys
- Damage from incrustation

Plastic Systems

Low density

- Lightweight structure ensures easy handling
- Closely spaced fixings
- Easy and quick installation

Low thermal conductivity

- Limited heat loss
- Low levels of condensation and resistance to corrosion

High Corrosion Resistance

- No risk of galvanic corrosion risk
 - No corrosion and reduction of internal diameter
- No pressure losses due to lack of reduction of internal diameter

High chemical resistance

- In combination with correct jointing methods, a long service life can be warranted.
- No incrustation

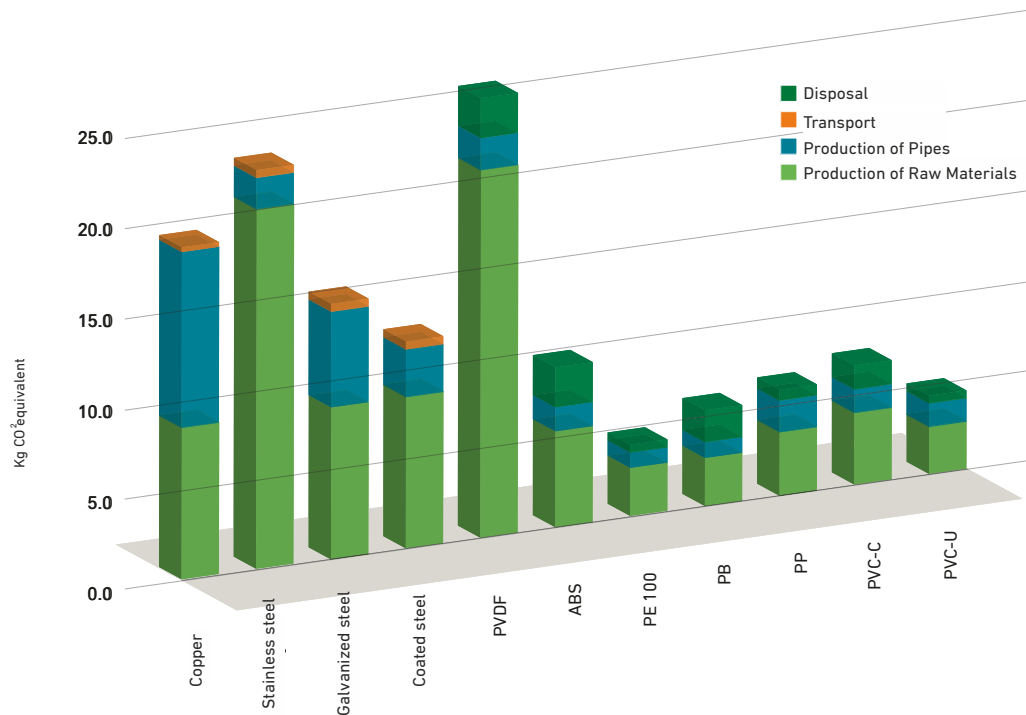
Service Life Analysis of Plastics

It is the total of all greenhouse gases emitted to the atmosphere during the entire lifetime including the processes for extracting a product having carbon footprint from under the ground, refining, producing, using and disposing of that product.

The following graphics indicate the assessment of the lifetime of thermoplastic piping systems in terms of the quality of their environmental performance and application of them in building technology, industry and water and gas distribution. In the analysis, the impacts of one meter long pipe was compared with the main competitor materials (DN25, DN80, DN150 and DN400) for each of the commonly used plastics. GF supplied this analysis from an independent, Swiss-based organization specialized in environmental performance analyzes, and is based on Ecoinvent, leading lifecycle inventory database in the world.

According to the main results of the study, plastic piping systems demonstrate better performance than metal systems. This finding has been confirmed by other studies conducted in this field.

The main reason for high performance of thermoplastics is that they are lightweight. This ensures key benefits during transport and installation. Fully-plastic solutions are lighter than other piping systems of conventional materials, and this creates significant impacts on carbon footprint.







Wastewater disposal can often result in unwanted noise, both structure-borne and air-borne. At GF Building Flow Solutions, we tackle this challenge head-on with our Acoustic In-House Drainage Pipes. Designed to reduce noise at the source, our pipes ensure a quieter, more comfortable living environment. Certified by the Fraunhofer Institute for Building Physics in Stuttgart, our systems deliver top-tier acoustic performance. The graph on this page illustrates the significant reduction in noise levels, highlighting the superior soundproofing of our solutions. With GF Building Flow Solutions, you choose silence, comfort, and proven quality.

Leader in low noise waste water systems

Quality Certificates

Manufacturing its products in accordance with the European standards and Turkish standards equivalent to the European standards, our Company is a leading and dynamic organization in terms of continuous improvement and customer satisfaction.

In addition to product quality, the process and system quality of GF Türkiye is certified by BVQI through TS EN ISO 9001:2015 certificate.

Our Company that places top priority on process and system quality also has TS EN ISO 14001:2015 and TS EN ISO 45001:2018 certificates. Our production plant in Çerkezköy have TS EN ISO/IEC 17025:2017 laboratory.



ISO 9001
BUREAU VERITAS



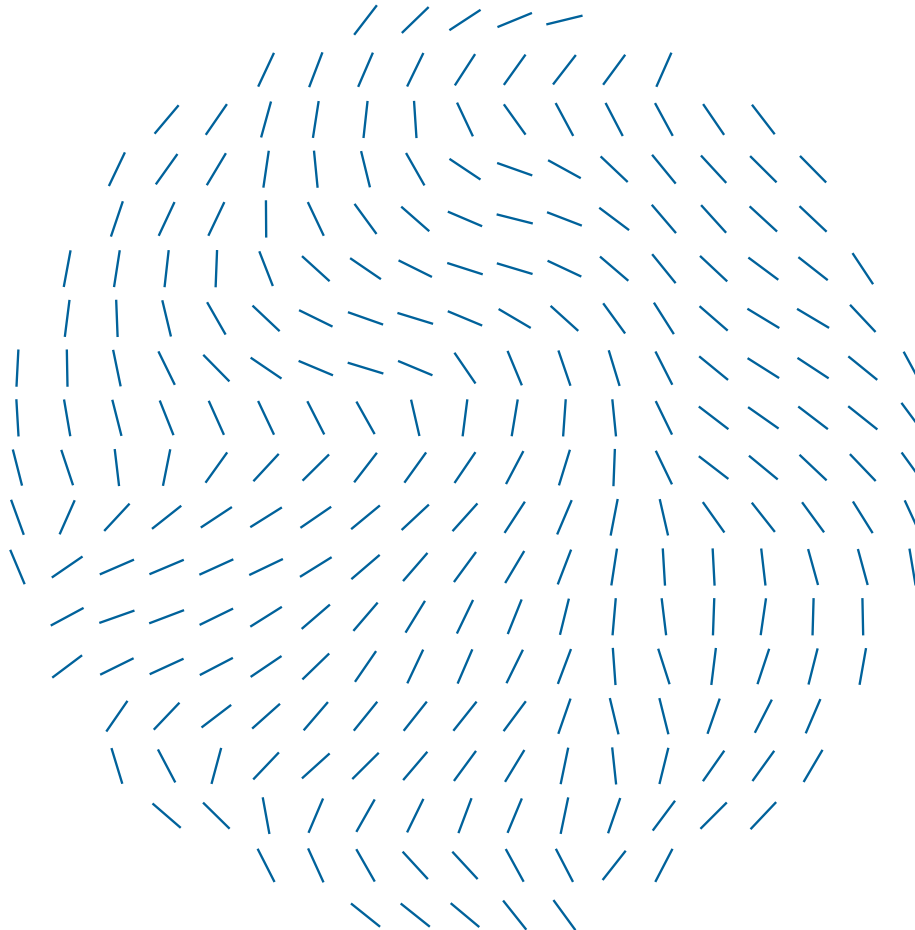
ISO 14001
BUREAU VERITAS



ISO 45001
BUREAU VERITAS



ISO 50001
BUREAU VERITAS



Worldwide Quality Compliance

Some certifications around the world



UNITED STATES
OPERATIONAL CLEAN
SWEEP



TÜRKİYE
TÜRKAK



UK
WRAS



FRANCE
CSTB



POLAND
PZH



UNITED STATES
ABS MARINE



ITALY
RINA



SCANDINAVIAN
COUNTRIES
INSTACERT



MALAYSIA
IKRAM QA



TÜRKİYE
EFFECTIS ERA AVRASYA
TEST LABORATUVARI



I-REC
STANDART



TÜRKİYE
TSE



GERMANY
HYGIENE INSTITUT



GERMANY
DVGW



CZECH REPUBLIC
ITC



KOREA
KR MARINE



BULGARIA
NIN



GERMANY
FRAUNHOFER
INSTITUTE



NETHERLANDS
KIWA



TÜRKİYE
ZERO WASTE



GERMANY
KTW BLG



UNITED STATES
NSF



BULGARIA
BULGARKONTROLA



HUNGARY
EMI



NORWAY
DNV MARINE



GERMANY
DIBT



GERMANY
SKZ



TÜRKİYE
ENVIRONMENTAL
PRODUCT
DECLARATION



SWITZERLAND
SGS



AUSTRIA
OFI HYGIENE



SPAIN
AENOR



UKRAINIAN
UKR - SEPRO



UK
LLOYDS REGISTER



FRANCE
BV MARINE



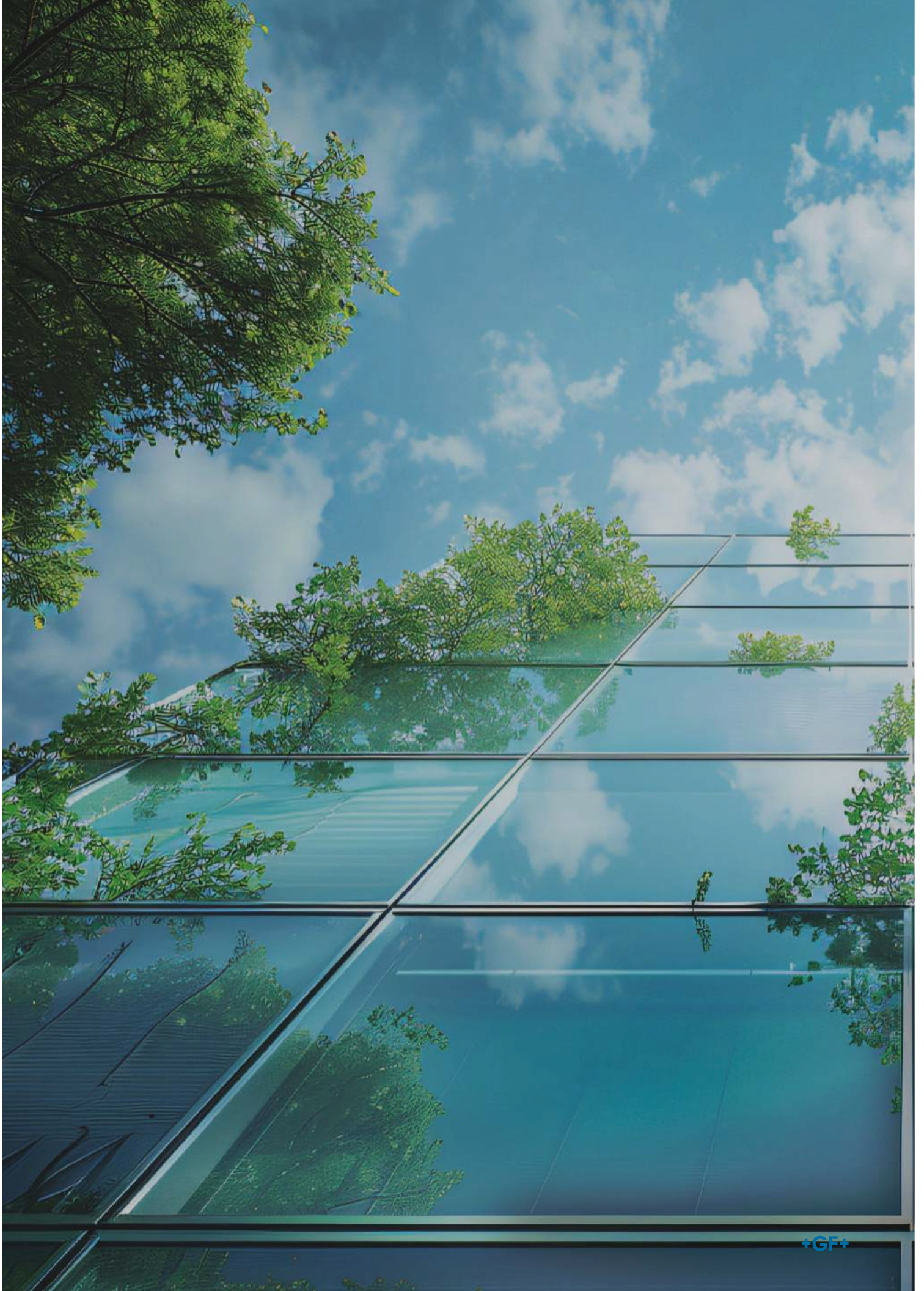
TÜRKİYE
TSEK



GERMANY
HOCH



SPAIN
AFITI LICOF



Worldwide Quality Compliance for Aquasystem

Some certifications around the world



TÜRKİYE
TSE



GERMANY
HYGIENE INSTITUT



BULGARIA
BULGARKONTROLA



HUNGARY
EMI



NORWAY
DNV MARINE



TÜRKİYE
ENVIRONMENTAL
PRODUCT
DECLARATION



SPAIN
AENOR



UKRAINIAN
UKR - SEPRO



UK
LLOYDS REGISTER



AUSTRIA
OFI HYGIENE



FRANCE
CSTB



POLAND
PZH



UNITED STATES
ABS MARINE



UK
WRAS



GERMANY
DVGW



CZECH REPUBLIC
ITC



KOREA
KR MARINE

AQUASYSTEM PP-R and PP-RCT Pipe Systems

AQUASYSTEM PP-R Piping Systems is a lightweight piping system made of PP-R copolymer material, with high mechanical strength and resistance to corrosion.

- Provides high resistance to extreme temperatures and pressure. PP-R pipes and fittings are produced in accordance with TS EN 15874-1, TS EN 15874-2, TS EN 15874-3, DIN 8077, DIN 8078, TS 13715 standards.
 - Pipes and fittings available in the diameter range of d20-d200.
 - High chemical resistance, no corrosion.
 - Fast, easy and practical installation by using socket, butt and electrofusion welding.
 - White, grey and green options available.
 - Hygienic and environmentally-friendly.
- AQUASYSTEM PP-R Piping Systems are produced in 6 different types depending upon the areas of use and customer expectations:
 - PP-R Standard Piping Systems (PN10-PN16-PN20)
 - PP-R Glass Fiber Reinforced Piping Systems (PN20-PN25)
 - PP-R Glass Fiber Reinforced Climafaser Piping Systems (PN10-PN20)
 - PP-R UV-Resistant Piping Systems (PN20)
 - PP-R Marine Piping Systems (PN16)

PP-RCT is a new generation raw material which is developed for polypropylene by using a special β -nucleation process.

Thanks to this enhancement, AQUASYSTEM withstand higher operating pressures at extreme temperatures, higher flow rates and resistance to chlorine.

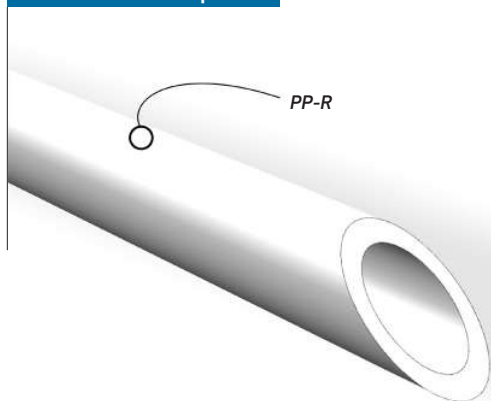
- PP-RCT Glass-Fiber Reinforced Piping Systems:
 - SDR9 - PN22
 - SDR7,4 - PN25

+ Fields of Application

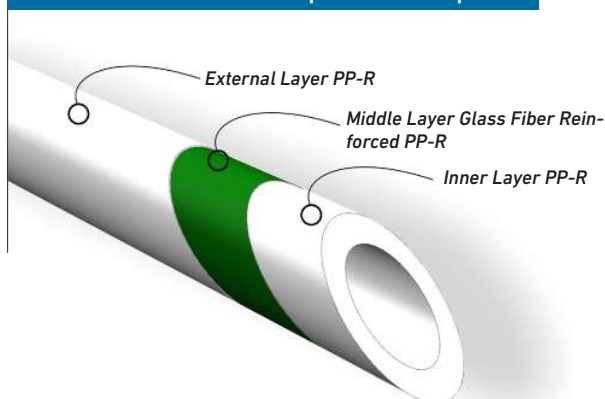
- Central heating systems
- Hot and cold water systems
- Drinking water and treated water supply systems
- Industrial Piping Systems (Transfer and discharge of chemicals)
- Air conditioner systems
- Solar Collectors



Standard PP-R Pipes



Glass Fiber Reinforced Composite PP-R Pipe



+ Technical Properties

Pipe Structure	One Layer-Standard Pipes Multi-Layer: Glass Fiber Reinforced Composite Pipes
Diameters [mm]	d20, d25, d32, d40, d50, d63, d75, d90, d110, d125, d160, d200
Pressure Classes:	Standard PPR Pipes PN10 (SDR11), PN16 (SDR7.4), PN20 (SDR6) Glass Fiber Reinforced Composite & Climafaser Pipes: PN10 (SDR11), PN20 (SDR7.4), PN25 (SDR6) PP-RCT Glass Fiber Reinforced Pipes (SDR9: PN22 – SDR7,4: PN25) PP-R UV Resistant Standard Pipe- PN20 PP-R Marine Pipe- PN16 SDR 7,4
Pipe Length [mm]	4000 mm
Joining Methods	Socket Fusion Welding, Butt-Welding, Electrofusion Welding, Mechanical Connection, Flange Connection
Color	White, Green, Grey (For grey colour codes, please contact to GF Türkiye Sales Department)
Chemical Resistance	Resistant to organic and inorganic chemical environments for pH values between 2 and 12
Installation Temperature	Minimum: +5°C Maximum: +40°C
Operating Temperature	Standard PPR Pipes: +5°C - +95°C Glass Fiber Reinforced Composite Pipes: +5°C - +95°C
Application Class	B (Building)
Standards	EN15874-1/2/3, DIN 8077-78
Thermal Expansion Coefficient	Standard Pipes: 0.15 mm/m°K Glass Fiber Reinforced Composite Pipes: 0.035 mm/m°K
Thermal Conductivity Coefficient	0.24 W/m°K

AQUASYSTEM PP-R and PP-RCT

PP-R Standard Pipe PN10 - SDR11



Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
25							4001002502121	Bundle	80
32							4001003202221	Bundle	60
40							4001004002321	Bundle	40
50							4001005002421	Bundle	20
63							4001006302521	Bundle	16
75							4001007502621	Bundle	12
90							4001009002721	Bundle	8
110							4001011002821	Bundle	4

PP-R Standard Pipe PN16 - SDR7,4



Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20							4001002004021	Bundle	100
25							4001002504121	Bundle	80
32							4001003204221	Bundle	60
40							4001004004321	Bundle	40
50							4001005004421	Bundle	20
63							4001006304521	Bundle	16
75							4001007504621	Bundle	12
90							4001009004721	Bundle	8
200	4002020001121	Bundle	4	4000020001121	Bundle	4	4001020001121	Bundle	4

PP-R Standard Pipe PN20 - SDR6



Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4002002000121	Bundle	100	4000002000121	Bundle	100	4001002000121	Bundle	100
25	4002002500221	Bundle	80	4000002500221	Bundle	80	4001002500221	Bundle	80
32	4002003200321	Bundle	60	4000003200321	Bundle	60	4001003200321	Bundle	60
40	4002004000421	Bundle	40	4000004000421	Bundle	40	4001004000421	Bundle	40
50	4002005000521	Bundle	20	4000005000521	Bundle	20	4001005000521	Bundle	20
63	4002006300621	Bundle	16	4000006300621	Bundle	16	4001006300621	Bundle	16
75	4002007500721	Bundle	12	4000007500721	Bundle	12	4001007500721	Bundle	12
90	4002009000821	Bundle	8	4000009000821	Bundle	8	4001009000821	Bundle	8
110	4002011000921	Bundle	4	4000011000921	Bundle	4	4001011000921	Bundle	4
125	4002012501021	Bundle	4	4000012501021	Bundle	4			
160	4002016001121	Bundle	4	4000016001121	Bundle	4			
200	4002020000221	Bundle	4						

PP-R Marine Pipe PN16 - SDR7,4



Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4002002001121	Bundle	100						
25	4002002501121	Bundle	80						
32	4002003201121	Bundle	60						
40	4002004001121	Bundle	40						
50	4002005001121	Bundle	20						
63	4002006301121	Bundle	16						

AQUASYSTEM PP-R and PP-RCT



PP-R UV Resistant Standard Pipe – PN20

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4002002010021	Bundle	100	4000002010021	Bundle	100			
25	4002002510021	Bundle	80	4000002510021	Bundle	80	4001002510021	Bundle	80
32	4002003210021	Bundle	60	4000003210021	Bundle	60	4001003210021	Bundle	60
40	4002004010021	Bundle	40				4001004010021	Bundle	40
50				4000005010021	Bundle	20	4001005010021	Bundle	20
63	4002006310021	Bundle	16	4000006310021	Bundle	16	4001006310021	Bundle	16



PP-R Glass Fiber Reinforced Pipe PN20 - SDR 7,4

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4202002000121	Bundle	100	4200002000121	Bundle	100	4201002000121	Bundle	100
25	4202002500221	Bundle	80	4200002500221	Bundle	80	4201002500221	Bundle	80
32	4202003200321	Bundle	60	4200003200321	Bundle	60	4201003200321	Bundle	60
40	4202004000421	Bundle	40	4200004000421	Bundle	40	4201004000421	Bundle	40
50	4202005000521	Bundle	20	4200005000521	Bundle	20	4201005000521	Bundle	20
63	4202006300621	Bundle	16	4200006300621	Bundle	16	4201006300621	Bundle	16
75	4202007500721	Bundle	12	4200007500721	Bundle	12	4201007500721	Bundle	12
90	4202009000821	Bundle	8	4200009000821	Bundle	8	4201009000821	Bundle	8
110	4202011000921	Bundle	4	4200011000921	Bundle	4	4201011000921	Bundle	4
125	4202012500121	Bundle	4	4200012500121	Bundle	4			
160	4202016000321	Bundle	4	4200016000121	Bundle	4	4201016000121	Bundle	4



PP-R Glass Fiber Reinforced Pipe PN25 - SDR 6

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4202002001021	Bundle	100	4200002002021	Bundle	100	4201002002021	Bundle	100
25	4202002501121	Bundle	80	4200002502121	Bundle	80	4201002502121	Bundle	80
32	4202003201221	Bundle	60	4200003202221	Bundle	60	4201003202221	Bundle	60
40	4202004000621	Bundle	40	4200004002321	Bundle	40	4201004002321	Bundle	40
50	4202005000721	Bundle	20	4200005002421	Bundle	20	4201005002421	Bundle	20
63	4202006300821	Bundle	16	4200006302521	Bundle	16	4201006302521	Bundle	16
75	4202007500921	Bundle	12	4200007506521	Bundle	12	4201007506521	Bundle	12
90	4202009001021	Bundle	8	4200009006621	Bundle	8	4201009006621	Bundle	8
110	4202011001121	Bundle	4	4200011006421	Bundle	4	4201011006421	Bundle	4
125				4200012500221	Bundle	4			
160	4202016000531	Bundle	4	4200016000221	Bundle	4	4201016000221	Bundle	4



PP-R Glass Fiber Reinforced Climafaser Pipe PN10 - SDR 11

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
32	4202003230121	Bundle	60						
40	4202004030021	Bundle	40						
50	4202005030021	Bundle	20						
63	4202006330121	Bundle	16						
75	4202007530021	Bundle	12						
90	4202009030021	Bundle	8						
110	4202011030021	Bundle	4						
125	4202012530021	Bundle	4						
160	4202016000221	Bundle	4						

AQUASYSTEM PP-R and PP-RCT



PP-R Glass Fiber Reinforced Climafaser Pipe PN20 - SDR 7,4

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4202002030021	Bundle	100						
25	4202002530021	Bundle	80						
32	4202003230021	Bundle	60						



PP-RCT Glass Fiber Reinforced Pipe PN25 - SDR7,4

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4202002050021	Bundle	100				4201002060021	Bundle	100
25	4202002550021	Bundle	80				4201002560021	Bundle	80
32	4202003250021	Bundle	60				4201003260021	Bundle	60
40	4202004050021	Bundle	40				4201004060021	Bundle	40
50	4202005050021	Bundle	20				4201005060021	Bundle	20
63	4202006350021	Bundle	16				4201006360021	Bundle	16
75	4202007550021	Bundle	12				4201007560021	Bundle	12
90	4202009050021	Bundle	8				4201009060021	Bundle	8
110	4202011050021	Bundle	4				4201011060021	Bundle	4
125	4202012550021	Bundle	4				4201012560021	Bundle	4
160	4202016050021	Bundle	4				4201016060021	Bundle	4



PP-RCT Glass Fiber Reinforced Pipe PN22 - SDR9

Dia. (mm)	Green Code	Packing Type	Mt	White Code	Packing Type	Mt	Grey Code	Packing Type	Mt
20	4202002050121	Bundle	100				4201002060121	Bundle	100
25	4202002550121	Bundle	80				4201002560121	Bundle	80
32	4202003250121	Bundle	60				4201003260121	Bundle	60
40	4202004050121	Bundle	40				4201004060121	Bundle	40
50	4202005050121	Bundle	20				4201005060121	Bundle	20
63	4202006350121	Bundle	16				4201006360121	Bundle	16
75	4202007550121	Bundle	12				4201007560121	Bundle	12
90	4202009050121	Bundle	8				4201009060121	Bundle	8
110	4202011050121	Bundle	4				4201011060121	Bundle	4
125	4202012550121	Bundle	4				4201012560121	Bundle	4
160	4202016050121	Bundle	4				4201016060121	Bundle	4



PP-R Elbow 45°

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302102000121	Cartonbox	400	4300102000121	Cartonbox	400	4301102000121	Cartonbox	400
25	4302102500221	Cartonbox	300	4300102500221	Cartonbox	300	4301102500221	Cartonbox	300
32	4302103200321	Cartonbox	175	4300103200321	Cartonbox	175	4301103200321	Cartonbox	175
40	4302104000421	Cartonbox	75	4300104000421	Cartonbox	30	4301104000421	Cartonbox	75
50	4302105000521	Cartonbox	40	4300105000521	Cartonbox	20	4301105000521	Cartonbox	40
63	4302106300621	Cartonbox	20	4300106300621	Cartonbox	8	4301106300621	Cartonbox	20
75	4302107501221	Cartonbox	16	4300107501221	Cartonbox	8	4301107501221	Cartonbox	16
90				4300109001322	Cartonbox	6	4301109001322	Cartonbox	6
110	4302111001422	Cartonbox	4	4300111001422	Cartonbox	4	4301111001422	Cartonbox	4
160	4302116001621	Cartonbox	2	4300116001621	Cartonbox	2	4301116001621	Cartonbox	2

AQUASYSTEM PP-R and PP-RCT



PP-R Elbow 90°

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302102000721	Cartonbox	400	4300102000721	Cartonbox	400	4301102000721	Cartonbox	400
25	4302102500821	Cartonbox	250	4300102500821	Cartonbox	250	4301102500821	Cartonbox	250
32	4302103200921	Cartonbox	125	4300103200921	Cartonbox	125	4301103200921	Cartonbox	125
40	4302104001021	Cartonbox	75	4300104001021	Cartonbox	75	4301104001021	Cartonbox	75
50	4302105001121	Cartonbox	40	4300105001121	Cartonbox	40	4301105001121	Cartonbox	40
63	4302106301221	Cartonbox	20	4300106301221	Cartonbox	20	4301106301221	Cartonbox	20
75	4302107501321	Cartonbox	16	4300107501321	Cartonbox	4	4301107501321	Cartonbox	16
90	4302109001421	Cartonbox	8	4300109001421	Cartonbox	3	4301109001421	Cartonbox	8
110	4302111001521	Cartonbox	3	4300111001521	Cartonbox	3	4301111001521	Cartonbox	3
160	4302116001421	Cartonbox	2	4300116001421	Cartonbox	2	4301116001421	Cartonbox	2



PP-R Male to Female Elbow 90°

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302102005021	Cartonbox	350	4300102005021	Cartonbox	100	4301102005021	Cartonbox	350
25	4302102505121	Cartonbox	200	4300102505121	Cartonbox	80	4301102505121	Cartonbox	200



PP-R Reducing Elbow

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-25	4302402011021	Cartonbox	250	4300402011021	Cartonbox	100	4301402011021	Cartonbox	250
25-32	4302402511121	Cartonbox	150	4300402511121	Cartonbox	75	4301402511121	Cartonbox	150



PP-R Socket

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302502020021	Cartonbox	500	4300502020021	Cartonbox	500	4301502020021	Cartonbox	500
25	4302502520121	Cartonbox	350	4300502520121	Cartonbox	350	4301502520121	Cartonbox	350
32	4302503220221	Cartonbox	200	4300503220221	Cartonbox	200	4301503220221	Cartonbox	200
40	4302504020321	Cartonbox	125	4300504020321	Cartonbox	125	4301504020321	Cartonbox	125
50	4302505020421	Cartonbox	70	4300505020421	Cartonbox	30	4301505020421	Cartonbox	70
63	4302506320521	Cartonbox	45	4300506320521	Cartonbox	18	4301506320521	Cartonbox	45
75	4302507520621	Cartonbox	30	4300507520621	Cartonbox	10	4301507520621	Cartonbox	30
90	4302509020721	Cartonbox	20	4300509020721	Cartonbox	8	4301509020721	Cartonbox	20
110	4302511020821	Cartonbox	10	4300511020821	Cartonbox	4	4301511020821	Cartonbox	10
160	4302516000121	Cartonbox	4	4300516000121	Cartonbox	4	4301516000121	Cartonbox	4

AQUASYSTEM PP-R and PP-RCT



PP-R Reducer

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
25-20	4302402510021	Cartonbox	500	4300402510021	Cartonbox	500	4301402510021	Cartonbox	500
32-20	4302403210121	Cartonbox	400	4300403210121	Cartonbox	200	4301403210121	Cartonbox	400
32-25	4302403210221	Cartonbox	350	4300403210221	Cartonbox	150	4301403210221	Cartonbox	350
40-20	4302404010321	Cartonbox	250	4300404010321	Cartonbox	100	4301404010321	Cartonbox	250
40-25	4302404010421	Cartonbox	250	4300404010421	Cartonbox	100	4301404010421	Cartonbox	250
40-32	4302404010521	Cartonbox	175	4300404010521	Cartonbox	75	4301404010521	Cartonbox	175
50-20	4302405010621	Cartonbox	150	4300405010621	Cartonbox	75	4301405010621	Cartonbox	150
50-25	4302405010721	Cartonbox	150	4300405010721	Cartonbox	50	4301405010721	Cartonbox	150
50-32	4302405010821	Cartonbox	150	4300405010821	Cartonbox	75	4301405010821	Cartonbox	150
50-40	4302405010921	Cartonbox	100	4300405010921	Cartonbox	40	4301405010921	Cartonbox	100
63-25	4302406311021	Cartonbox	75	4300406311021	Cartonbox	30	4301406311021	Cartonbox	75
63-32	4302406311121	Cartonbox	75	4300406311121	Cartonbox	30	4301406311121	Cartonbox	75
63-40	4302406311221	Cartonbox	75	4300406311221	Cartonbox	30	4301406311221	Cartonbox	75
63-50	4302406311321	Cartonbox	50	4300406311321	Cartonbox	20	4301406311321	Cartonbox	50
75-50	4302407511421	Cartonbox	40	4300407511421	Cartonbox	16	4301407511421	Cartonbox	40
75-63	4302407511521	Cartonbox	40	4300407511521	Cartonbox	16	4301407511521	Cartonbox	40
90-50	4302409011521	Cartonbox	20	4300409011521	Cartonbox	10	4301409011521	Cartonbox	20
90-63	4302409011621	Cartonbox	20	4300409011621	Cartonbox	20	4301409011621	Cartonbox	20
90-75	4302409011721	Cartonbox	16	4300409011721	Cartonbox	4	4301409011721	Cartonbox	16
110-63	4302411011721	Cartonbox	16	4300411011721	Cartonbox	16	4301411011721	Cartonbox	16
110-75	4302411011821	Cartonbox	16	4300411011821	Cartonbox	8	4301411011821	Cartonbox	16
110-90	4302411011921	Cartonbox	16	4300411011921	Cartonbox	16	4301411011921	Cartonbox	16
125-90				4300412512122	Cartonbox	12			
160-110	4302416011921	Cartonbox	7	4300416011921	Cartonbox	7	4301416011921	Cartonbox	7
*160-125	4302416012322	Cartonbox	3	4300416012322	Cartonbox	3			

* Butt Weld



PP-R Reducing Cross

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
25-20				4300902560222	Cartonbox	150	4301902560222	Cartonbox	150
32-25				4300903260322	Cartonbox	75	4301903260322	Cartonbox	75
40-32				4300904060422	Cartonbox	40	4301904060422	Cartonbox	40



PP-R Cross

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902060022	Cartonbox	200	4300902060022	Cartonbox	100	4301902060022	Cartonbox	200
25	4302902560122	Cartonbox	150	4300902560122	Cartonbox	50	4301902560122	Cartonbox	150
32	4302903260222	Cartonbox	75	4300903260222	Cartonbox	30	4301903260222	Cartonbox	75
40	4302904060322	Cartonbox	40	4300904060322	Cartonbox	40	4301904060322	Cartonbox	40

AQUASYSTEM PP-R and PP-RCT



PP-R Tee

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902008021	Cartonbox	250	4300902008021	Cartonbox	250	4301902008021	Cartonbox	250
25	4302902508121	Cartonbox	150	4300902508121	Cartonbox	150	4301902508121	Cartonbox	150
32	4302903208221	Cartonbox	100	4300903208221	Cartonbox	100	4301903208221	Cartonbox	100
40	4302904008321	Cartonbox	50	4300904008321	Cartonbox	20	4301904008321	Cartonbox	50
50	4302905008421	Cartonbox	30	4300905008421	Cartonbox	30	4301905008421	Cartonbox	30
63	4302906308521	Cartonbox	20	4300906308521	Cartonbox	8	4301906308521	Cartonbox	20
75	4302907508621	Cartonbox	10	4300907508621	Cartonbox	4	4301907508621	Cartonbox	10
90	4302909008721	Cartonbox	6	4300909008721	Cartonbox	2	4301909008721	Cartonbox	6
110	4302911008821	Cartonbox	3	4300911008821	Cartonbox	3	4301911008821	Cartonbox	3
160	4302916009021	Cartonbox	1	4300916009021	Cartonbox	1	4301916009021	Cartonbox	1



PP-R Reducing Tee

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
25-20-20	4302902520021	Cartonbox	200	4300902520021	Cartonbox	100	4301902520021	Cartonbox	200
25-20-25	4302902520121	Cartonbox	175	4300902520121	Cartonbox	175	4301902520121	Cartonbox	175
32-20-20	4302903220221	Cartonbox	125	4300903220221	Cartonbox	50	4301903220221	Cartonbox	125
32-20-25	4302903220321	Cartonbox	125	4300903220321	Cartonbox	50	4301903220321	Cartonbox	125
32-20-32	4302903220421	Cartonbox	100	4300903220421	Cartonbox	100	4301903220421	Cartonbox	100
32-25-20	4302903220521	Cartonbox	125	4300903220521	Cartonbox	50	4301903220521	Cartonbox	125
32-25-32	4302903220621	Cartonbox	100	4300903220621	Cartonbox	100	4301903220621	Cartonbox	100
40-20-40	4302904020721	Cartonbox	50	4300904020721	Cartonbox	25	4301904020721	Cartonbox	50
40-25-40	4302904020821	Cartonbox	50	4300904020821	Cartonbox	50	4301904020821	Cartonbox	50
40-32-40	4302904020921	Cartonbox	50	4300904020921	Cartonbox	20	4301904020921	Cartonbox	50
50-20-50	4302905021021	Cartonbox	40	4300905021021	Cartonbox	10	4301905021021	Cartonbox	40
50-25-50	4302905021221	Cartonbox	30	4300905021221	Cartonbox	10	4301905021221	Cartonbox	30
50-32-50	4302905021321	Cartonbox	30	4300905021321	Cartonbox	10	4301905021321	Cartonbox	30
50-40-50	4302905021421	Cartonbox	30	4300905021421	Cartonbox	30	4301905021421	Cartonbox	30
63-20-63	4302906321321	Cartonbox	24	4300906321321	Cartonbox	24	4301906321321	Cartonbox	24
63-25-63	4302906321421	Cartonbox	24	4300906321421	Cartonbox	24	4301906321421	Cartonbox	24
63-32-63	4302906321521	Cartonbox	24	4300906321521	Cartonbox	12	4301906321521	Cartonbox	24
63-40-63	4302906321621	Cartonbox	16	4300906321621	Cartonbox	8	4301906321621	Cartonbox	16
63-50-63	4302906321721	Cartonbox	16	4300906321721	Cartonbox	16	4301906321721	Cartonbox	16
75-20-75	4302907521621	Cartonbox	10	4300907521621	Cartonbox	10	4301907521621	Cartonbox	10
75-25-75	4302907521721	Cartonbox	10	4300907521721	Cartonbox	10	4301907521721	Cartonbox	10
75-32-75	4302907521821	Cartonbox	10	4300907521821	Cartonbox	10	4301907521821	Cartonbox	10
75-40-75	4302907521921	Cartonbox	10	4300907521921	Cartonbox	10	4301907521921	Cartonbox	10
75-50-75	4302907522021	Cartonbox	10	4300907522021	Cartonbox	10	4301907522021	Cartonbox	10
75-63-75	4302907522121	Cartonbox	10	4300907522121	Cartonbox	10	4301907522121	Cartonbox	10
90-63-90	4302409021622	Cartonbox	12	4300909021622	Cartonbox	5	4301909021622	Cartonbox	5
90-75-90				4300909021722	Cartonbox	5	4301909021722	Cartonbox	5
110-63-110	4302411021522	Cartonbox	3	4300911021522	Cartonbox	2	4301911021522	Cartonbox	2
110-75-110	4302911021622	Cartonbox	3	4300911021622	Cartonbox	2	4301911021622	Cartonbox	3
110-90-110				4300911021722	Cartonbox	2	4301911021722	Cartonbox	2
125-75-125	4302412521622	Cartonbox	2						
125-90-125	4302412521722	Cartonbox	2						
*160-110-160	4302916021922	Cartonbox	2						

* Butt Fusion



PP-R Crossover w Socket Short

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902000321	Cartonbox	200	4300902000321	Cartonbox	100	4301902000321	Cartonbox	200
25	4302902500321	Cartonbox	125	4300902500321	Cartonbox	125	4301902500321	Cartonbox	125

AQUASYSTEM PP-R and PP-RCT

PP-R Crossover w Socket



Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902000121	Cartonbox	120	4300902000121	Cartonbox	120	4301902000121	Cartonbox	120
25	4302902500221	Cartonbox	80	4300902500221	Cartonbox	80	4301902500221	Cartonbox	80
32	4302903200321	Cartonbox	30	4300903200321	Cartonbox	30	4301903200321	Cartonbox	30

PP-R Pipe Clamp Single



Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902025021	Cartonbox	1000	4300902025021	Cartonbox	500	4301902025021	Cartonbox	1000
25	4302902525121	Cartonbox	700	4300902525121	Cartonbox	300	4301902525121	Cartonbox	700
32	4302903225221	Cartonbox	500	4300903225221	Cartonbox	500	4301903225221	Cartonbox	500
40	4302904025322	Cartonbox	800	4300904025322	Cartonbox	300	4301904025322	Cartonbox	800
50	4302905025422	Cartonbox	100	4300905025422	Cartonbox	25	4301905025422	Cartonbox	100
63	4302906331622	Cartonbox	100	4300906331622	Cartonbox	300	4301906331622	Cartonbox	100
75	4302907525522	Cartonbox	200	4300907525522	Cartonbox	200	4301907525522	Cartonbox	200
90	4302909009022	Cartonbox	100	4300909009022	Cartonbox	100	4301909009022	Cartonbox	100
110	4302911009022	Cartonbox	100	4300911009022	Cartonbox	150	4301911009022	Cartonbox	150

PP-R Pipe Double Clamp



Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902006021	Cartonbox	400	4300902006021	Cartonbox	200	4301902006021	Cartonbox	400
25	4302902525621	Cartonbox	250	4300902525621	Cartonbox	250	4301902525621	Cartonbox	250
32	4302903225722	Cartonbox	200	4300903225722	Cartonbox	200	4301903225722	Cartonbox	200

PP-R Blind Cap



Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902014021	Cartonbox	700	4300902014021	Cartonbox	700	4301902014021	Cartonbox	700
25	4302902514121	Cartonbox	500	4300902514121	Cartonbox	300	4301902514121	Cartonbox	500

PP-R End Cap



Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902006021	Cartonbox	1000	4300902006021	Cartonbox	500	4301902006021	Cartonbox	1000
25	4302902506121	Cartonbox	600	4300902506121	Cartonbox	300	4301902506121	Cartonbox	600
32	4302903206221	Cartonbox	300	4300903206221	Cartonbox	100	4301903206221	Cartonbox	300
40	4302904006321	Cartonbox	175	4300904006321	Cartonbox	75	4301904006321	Cartonbox	175
50	4302905006421	Cartonbox	100	4300905006421	Cartonbox	40	4301905006421	Cartonbox	100
63	4302906306521	Cartonbox	50	4300906306521	Cartonbox	20	4301906306521	Cartonbox	50
75	4302907506621	Cartonbox	25	4300907506621	Cartonbox	25	4301907506621	Cartonbox	25
90	4302909006821	Cartonbox	18	4300909006821	Cartonbox	18	4301909006821	Cartonbox	18
110	4302911006721	Cartonbox	9	4300911006721	Cartonbox	3	4301911006721	Cartonbox	9

AQUASYSTEM PP-R and PP-RCT



PP-R Union - PN10

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302902028021	Cartonbox	200	4300902028021	Cartonbox	100	4301902028021	Cartonbox	200
25	4302902528121	Cartonbox	125	4300902528121	Cartonbox	50	4301902528121	Cartonbox	125
32	4302903228221	Cartonbox	80	4300903228221	Cartonbox	80	4301903228221	Cartonbox	80
40	4302904028321	Cartonbox	50	4300904028321	Cartonbox	20	4301904028321	Cartonbox	50
50	4302905028421	Cartonbox	30	4300905028421	Cartonbox	15	4301905028421	Cartonbox	30
63	4302906328521	Cartonbox	20	4300906328521	Cartonbox	20	4301906328521	Cartonbox	20
75	4302907528621	Cartonbox	16	4300907528621	Cartonbox	16	4301907528621	Cartonbox	16
90	4302909032521	Cartonbox	8	4300909032521	Cartonbox	8			



PP-R Female Coupler (Round)

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302702030021	Cartonbox	325	4300702030021	Cartonbox	325	4301702030021	Cartonbox	325
20-3/4"	4302702030121	Cartonbox	250	4300702030121	Cartonbox	100	4301702030121	Cartonbox	250
25-1/2"	4302702530221	Cartonbox	225	4300702530221	Cartonbox	225	4301702530221	Cartonbox	225
25-3/4"	4302702530321	Cartonbox	225	4300702530321	Cartonbox	225	4301702530321	Cartonbox	225
32-3/4"	4302703225321	Cartonbox	100	4300703225321	Cartonbox	40	4301703225321	Cartonbox	100
32-1"	4302703230421	Cartonbox	125	4300703230421	Cartonbox	125	4301703230421	Cartonbox	125



PP-R Male Coupler (Round)

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302702032921	Cartonbox	250	4300702032921	Cartonbox	250	4301702032921	Cartonbox	250
25-1/2"	4302702532921	Cartonbox	200	4300702532921	Cartonbox	200	4301702532921	Cartonbox	200
20-3/4"	4302702032121	Cartonbox	200	4300702032121	Cartonbox	50	4301702032121	Cartonbox	200
25-3/4"	4302702532321	Cartonbox	200	4300702532321	Cartonbox	200	4301702532321	Cartonbox	200
32-3/4"	4302703227421	Cartonbox	100	4300703227321	Cartonbox	100	4301703227321	Cartonbox	100
32-1"	4302703232421	Cartonbox	100	4300703232421	Cartonbox	100	4301703232421	Cartonbox	100



PP-R Male Coupler (Hexagonal)

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
32-1"	4302703227121	Cartonbox	80	4300703227021	Cartonbox	40	4301703227121	Cartonbox	80
40-1.1/4"	4302704027121	Cartonbox	50	4300704027121	Cartonbox	50	4301704027221	Cartonbox	50
50-1.1/2"	4302705027221	Cartonbox	40	4300705027221	Cartonbox	20	4301705027321	Cartonbox	40
63-2"	4302706327321	Cartonbox	20	4300706327321	Cartonbox	20	4301706327421	Cartonbox	20
75-2.1/2"	4302707527421	Cartonbox	16	4300707527421	Cartonbox	16	4301707527521	Cartonbox	16
90-3"	4302709029421	Cartonbox	10	4300709027521	Cartonbox	4	4301709027721	Cartonbox	10
110-4"	4302711027621	Cartonbox	4	4300711027621	Cartonbox	4	4301711027621	Cartonbox	4



PP-R Female Coupler (Hexagonal)

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
32-1"	4302703227021	Cartonbox	80	4300703225021	Cartonbox	40	4301703227021	Cartonbox	80
40-1.1/4"	4302704025121	Cartonbox	50	4300704025121	Cartonbox	30	4301704025121	Cartonbox	50
50-1.1/2"	4302705025221	Cartonbox	40	4300705025221	Cartonbox	10	4301705025221	Cartonbox	40
63-2"	4302706325321	Cartonbox	20	4300706325321	Cartonbox	5	4301706325321	Cartonbox	20
75-2.1/2"	4302707525421	Cartonbox	16	4300707525421	Cartonbox	16	4301707525421	Cartonbox	16
90-3"	4302709028421	Cartonbox	10	4300709025621	Cartonbox	10	4301709025621	Cartonbox	10
110-4"	4302711025521	Cartonbox	6	4300711025521	Cartonbox	3	4301711025521	Cartonbox	6

AQUASYSTEM PP-R and PP-RCT



PPR Male Elbow

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302102007021	Cartonbox	200	4300102007021	Cartonbox	200	4301102007021	Cartonbox	200
20-3/4"	4302102007121	Cartonbox	180	4300102007121	Cartonbox	80	4301102007121	Cartonbox	180
25-1/2"	4302102507221	Cartonbox	180	4300102507221	Cartonbox	180	4301102507221	Cartonbox	180
25-3/4"	4302102507321	Cartonbox	100	4300102507321	Cartonbox	100	4301102507321	Cartonbox	100
32-3/4"	4302103207421	Cartonbox	75	4300103207421	Cartonbox	30	4301103207421	Cartonbox	75
32-1"	4302103207521	Cartonbox	80	4300103207521	Cartonbox	80	4301103207521	Cartonbox	80



PP-R Union Socket Female

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302702003021	Cartonbox	300	4300902003021	Cartonbox	100	4301902003021	Cartonbox	300
20-3/4"	4302902003121	Cartonbox	150	4300902003121	Cartonbox	150	4301902003121	Cartonbox	150
25-3/4"	4302702503121	Cartonbox	150	4300902503321	Cartonbox	50	4301902503321	Cartonbox	150
32-1"	4302703203521	Cartonbox	150	4300903203521	Cartonbox	50	4301903203521	Cartonbox	150
40-1.1/4"	4302904005021	Cartonbox	50	4300904005021	Cartonbox	20	4301904005021	Cartonbox	50
50-1.1/2"	4302905005121	Cartonbox	30	4300905005121	Cartonbox	15	4301905005121	Cartonbox	30
63-2"	4302906305221	Cartonbox	20	4300906305221	Cartonbox	4	4301906305221	Cartonbox	20



PP-R Union Socket Male

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302702004021	Cartonbox	300	4300902004021	Cartonbox	150	4301902004021	Cartonbox	300
20-3/4"	4302902004121	Cartonbox	150	4300902004121	Cartonbox	50	4301902004121	Cartonbox	150
25-3/4"	4302702504321	Cartonbox	150	4300902504321	Cartonbox	150	4301902504321	Cartonbox	150
32-1"	4302703204521	Cartonbox	125	4300903204521	Cartonbox	50	4301903204521	Cartonbox	125
40-1.1/4"	4302904005321	Cartonbox	50	4300904005321	Cartonbox	20	4301904005321	Cartonbox	50
50-1.1/2"	4302905005421	Cartonbox	30	4300905005421	Cartonbox	15	4301905005421	Cartonbox	30
63-2"	4302906305521	Cartonbox	20	4300906305521	Cartonbox	10	4301906305521	Cartonbox	20



PP-R Female Tee

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902010021	Cartonbox	160	4300902010021	Cartonbox	160	4301902010021	Cartonbox	160
20-3/4"	4302902010121	Cartonbox	160	4300902010121	Cartonbox	80	4301902010121	Cartonbox	160
25-1/2"	4302902510221	Cartonbox	120	4300902510221	Cartonbox	120	4301902510221	Cartonbox	120
25-3/4"	4302902510321	Cartonbox	120	4300902510321	Cartonbox	60	4301902510321	Cartonbox	120
32-3/4"	4302903210421	Cartonbox	60	4300903210421	Cartonbox	30	4301903210421	Cartonbox	60
32-1"	4302903210521	Cartonbox	70	4300903210521	Cartonbox	30	4301903210521	Cartonbox	70



PP-R Male Tee

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902012021	Cartonbox	150	4300902012021	Cartonbox	60	4301902012021	Cartonbox	150

AQUASYSTEM PP-R and PP-RCT



PP-R Backplate Elbow Male- 3 Pin

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
25-3/4"	4302102509221	Cartonbox	100	4300102509221	Cartonbox	100	4301102509221	Cartonbox	100



PP-R Backplate Elbow Female- 3 Pin

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902002021	Cartonbox	150	4300902002021	Cartonbox	150	4301902002021	Cartonbox	150



PP-R Female Elbow

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302102006021	Cartonbox	200	4300102006021	Cartonbox	200	4301102006021	Cartonbox	200
20-3/4"	4302102006121	Cartonbox	200	4300102006121	Cartonbox	80	4301102006121	Cartonbox	200
25-1/2"	4302102506221	Cartonbox	175	4300102506221	Cartonbox	175	4301102506221	Cartonbox	175
25-3/4"	4302102506321	Cartonbox	140	4300102506321	Cartonbox	140	4301102506321	Cartonbox	140
32-3/4"	4302103206421	Cartonbox	75	4300103206421	Cartonbox	30	4301103206421	Cartonbox	75
32-1"	4302103206521	Cartonbox	75	4300103206521	Cartonbox	30	4301103206521	Cartonbox	75



PP-R Backplate Elbow Female- 2 Pin

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302102008021	Cartonbox	100	4300102008021	Cartonbox	100			
20-3/4"	4302102008121	Cartonbox	100	4300102008121	Cartonbox	100	4301102008121	Cartonbox	100
25-1/2"	4302102508221	Cartonbox	100	4300102508221	Cartonbox	100	4301102508221	Cartonbox	100
25-3/4"	4302102508321	Cartonbox	100	4300102508321	Cartonbox	60	4301102508321	Cartonbox	100



PP-R Backplate Elbow Double Female

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
25-1/2"	4302902502121	Cartonbox	80	4300902502121	Cartonbox	40	4301902502121	Cartonbox	80



PP-R Backplate Elbow Male- 2 Pin

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902002121	Cartonbox	150	4300902002121	Cartonbox	150	4301902002121	Cartonbox	150



PP-R Transition w Loose Nut

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902013021	Cartonbox	300	4300902013021	Cartonbox	100	4301902013021	Cartonbox	300
25-3/4"	4302902513221	Cartonbox	200	4300902513221	Cartonbox	100	4301902513221	Cartonbox	200
25-1"	4302902513321	Cartonbox	150	4300902513321	Cartonbox	50	4301902513321	Cartonbox	150

AQUASYSTEM PP-R and PP-RCT



PP-R Double Internal Threaded Battery Connector

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902011021	Cartonbox	50	4300902011021	Cartonbox	50	4301902011021	Cartonbox	50
25-1/2"	4302902503121	Cartonbox	50	4300902503121	Cartonbox	50	4301902503121	Cartonbox	50



PP-R Distribution Manifold

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902002321	Cartonbox	15	4300902002321	Cartonbox	15	4301902002321	Cartonbox	15



PP-R Faucet Connection – Bidet

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302902012321	Cartonbox	50	4300902012121	Cartonbox	50	4301902012121	Cartonbox	50



PP-R Check Valve - PN10

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20				4300902031022	Cartonbox	20	4301902031022	Cartonbox	100
25	4302902531122	Cartonbox	50	4300902531122	Cartonbox	50			
32	4302903231222	Cartonbox	40	4300903231222	Cartonbox	40	4301903231222	Cartonbox	40
40				4300904031322	Cartonbox	24			
50	4302905031422	Cartonbox	15	4300905031422	Cartonbox	15			
63	4302906331522	Cartonbox	8						
75	4302907531622	Cartonbox	4						



PP-R Gate Valve

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302802035021	Cartonbox	75	4300802035021	Cartonbox	75	4301802035021	Cartonbox	75
25-3/4"	4302802535121	Cartonbox	60	4300802535121	Cartonbox	20	4301802535121	Cartonbox	60
32-1"	4302803235221	Cartonbox	40	4300803235221	Cartonbox	15	4301803235221	Cartonbox	40

PP-R Gate Valve Cap

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302802035121	Cartonbox	75						
25-3/4"	4302802535221	Cartonbox	60						



Union Ball Valve – PN10

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302802042522	Cartonbox	70	4300802042522	Cartonbox	70			
25	4302802542622	Cartonbox	50	4300802542622	Cartonbox	50	4301802542622	Cartonbox	50
32	4302803242722	Cartonbox	30	4300803242722	Cartonbox	30	4301803242722	Cartonbox	30
40	4302804043122	Cartonbox	15	4300804043122	Cartonbox	15			
50	4302805043222	Cartonbox	12	4300805043222	Cartonbox	12			
63	4302806343322	Cartonbox	8	4300806343322	Cartonbox	8			

AQUASYSTEM PP-R and PP-RCT



PP-R Lux Chromium Valve Long

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302802040221	Cartonbox	50	4300802040721	Cartonbox	20	4301802040621	Cartonbox	50
25-3/4"	4302802540421	Cartonbox	40	4300802540821	Cartonbox	40	4301802540721	Cartonbox	40
32-1"	4302803240621	Cartonbox	40	4300803240621	Cartonbox	40			



PP-R Chromium Valve Long

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302802040121	Cartonbox	50	4300802040121	Cartonbox	50	4301802040121	Cartonbox	50
25-3/4"	4302802540321	Cartonbox	40	4300802540321	Cartonbox	20	4301802540321	Cartonbox	40
32-1"	4302803240521	Cartonbox	40	4300803240521	Cartonbox	40	4301803240521	Cartonbox	40

PP-R Locket Valve

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302802070721	Cartonbox	36						
25-3/4"	4302802570821	Cartonbox	36						
32-1"	4302803270921	Cartonbox	36						

Ball Valve New (Welt-In) - PN20

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302802042822	Cartonbox	100	4300802042822	Cartonbox	30	4301802042822	Cartonbox	100
25	4302802542922	Cartonbox	70	4300802542922	Cartonbox	30	4301802542922	Cartonbox	70
32	4302803243022	Cartonbox	45	4300803243022	Cartonbox	45	4301803243022	Cartonbox	45
40	4302804043622	Cartonbox	25	4300804043622	Cartonbox	10	4301804040422	Cartonbox	25
50	4302805043722	Cartonbox	20	4300805043722	Cartonbox	20	4301805040522	Cartonbox	20
63	4302806343822	Cartonbox	15	4300806343822	Cartonbox	3	4301806343822	Cartonbox	15
75	4302807543922	Cartonbox	8	4300807543322	Cartonbox	8	4301807543522	Cartonbox	8

PP-R Valve Body

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20	4302802042021	Cartonbox	160						
25	4302802542121	Cartonbox	100						
32	4302803242221	Cartonbox	60						



PP-R Chromium Valve Short

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
20-1/2"	4302802040021	Cartonbox	50	4300802040021	Cartonbox	20	4301802040021	Cartonbox	50
25-3/4"	4302802540221	Cartonbox	40	4300802540221	Cartonbox	20	4301802540221	Cartonbox	40
32-1"	4302803240421	Cartonbox	40	4300803240421	Cartonbox	10	4301803240421	Cartonbox	40

AQUASYSTEM PP-R and PP-RCT

PP-RCT Saddle

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
40-50-25	4302906390132	Cartonbox	240						
75-125-40	4302912590622	Cartonbox	30						

Fml Saddle wSpgt PP-RCT

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
63-25x3/4"	4302906392022	Cartonbox	150						
110-25x1/2"	4302911091132	Cartonbox	150						



Welding Machine Set Economic

Dia. (mm)	Code	Packing Type	Pc
20-40	4301900044082	Piece	1



Welding Machine Set

Dia. (mm)	Code	Packing Type	Pc
20-40	4301900044282	Piece	1



Welding Machine

Dia. (mm)	Code	Packing Type	Pc
63-110	4301900044382	Cartonbox	1



Welding Machine Car Type

Dia. (mm)	Code	Packing Type	Pc
63-160	4301900044582	Piece	1

Welding Machine- Economic (Single)

Dia. (mm)	Code	Packing Type	Pc
20-50	4301900044182	Cartonbox	1

Welding Machine Single

Dia. (mm)	Code	Packing Type	Pc
-	4301900044482	Cartonbox	1

Welding Machine

Dia. (mm)	Code	Packing Type	Pc
Set - 120V	4301900044682	Cartonbox	1
Single - 120V	4301900044782	Cartonbox	1

Welding Machine Set

Dia. (mm)	Code	Packing Type	Pc
50-125	4301900044582	Cartonbox	1

PP-R Welding Machine - Bag Type

Dia. (mm)	Code	Packing Type	Pc
160	4301900044082	Cartonbox	1

Welding Machine Set - 110-120 Volt

Dia. (mm)	Code	Packing Type	Pc
-	4301900044582	Cartonbox	1

AQUASYSTEM PP-R and PP-RCT



PP-R Flange Adaptor

Dia. (mm)	Green Code	Packing Type	Pc	White Code	Packing Type	Pc	Grey Code	Packing Type	Pc
75				4300907533022	Cartonbox	48	4301907533022	Cartonbox	45
90				4300909033022	Cartonbox	24	4301909033022	Cartonbox	28
110				4300911033022	Cartonbox	12	4301911033022	Cartonbox	13



PP-R Pipe Welding Mould

Dia. (mm)	Code	Packing Type	Pc
20	4301902045082	Cartonbox	300
25	4301902545182	Cartonbox	15
32	4301903245282	Cartonbox	200
40	4301904045382	Cartonbox	40
50	4301905045482	Cartonbox	70
63	4301906345582	Cartonbox	45
75	4301907545682	Cartonbox	30
90	4301909045782	Cartonbox	5
110	4301911045882	Cartonbox	5
160	4301916046082	Cartonbox	1

PPR Pipe Clipper

Dia. (mm)	Code	Packing Type	Pc
20-40	4301900043082	Cartonbox	4

Gloves

Size	Code	Packing Type	Pc
Standard	4301900000122	Piece	1

Welding Depth Gauge

Size	Code	Packing Type	Pc
Standard	4301900000282	Piece	1

Tempilstick

Temp. [°C]	Code	Packing Type	Pc
253	4301900000082	Piece	1
274	4301900000182	Piece	1