Plastofer System

PP-R pipes and fittings

Made in Italy

Enviromental protection

Quality raw material

Prevent mildew

Warrenty

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Plastofer System

PP-R pipes and fittings

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CLASSIC
CLASSICUV
POWER
POWERPLUS
POWERUV
FIBERREINFORCED

Mission

Plastofer is one of the first manufacturer of plastic sanitary installations. It has been operating in the market since 1958.

Plastofer products are made from polypropylene PP-R, the material designed for the needs of internal water installations and central heating. Plastofer has a complete system of pipes, stabi pipes, fiberglass pipes and fittings with diameters ranging from ø 20 to ø 160 mm as well as complementary products.

The highest quality of Plastofer products is certified by an external institute of research.

Plastofer has all indispensable technical approvals, Hygienic Certificate and we are under constant control of external engineering institutes including all which ensures a consistent high quality of our products.

Service life of Plastofer products is up to 50 years. The wide range of available diameters (20-110mm) allows to construct hydro-sanitary system in big and small buildings, water-main system on boats, Residential apartments, condominiums, public housing, Hospital, schools, laboratories, Hotel and resorts, Office buildings and commercial shopping centres.

Our systems show an excellent performance conveying drinking water as well as other kind of fluids.

Plastofer product is the perfect mix between a cared craft production and a vision of global market.

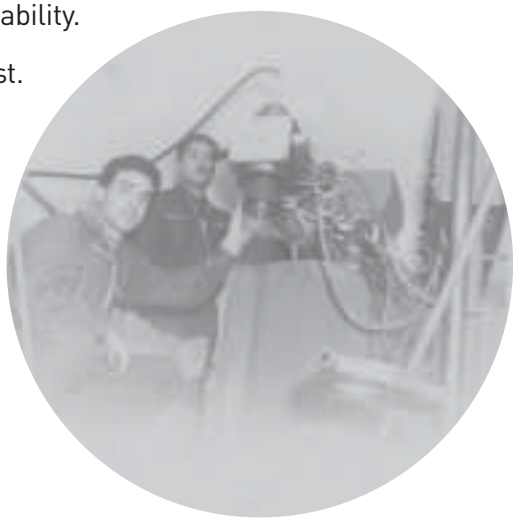
A philosophy of *craft* production

Plastofer conceive, design and produces each product in-house, a mean of safety that gives our company a great value.

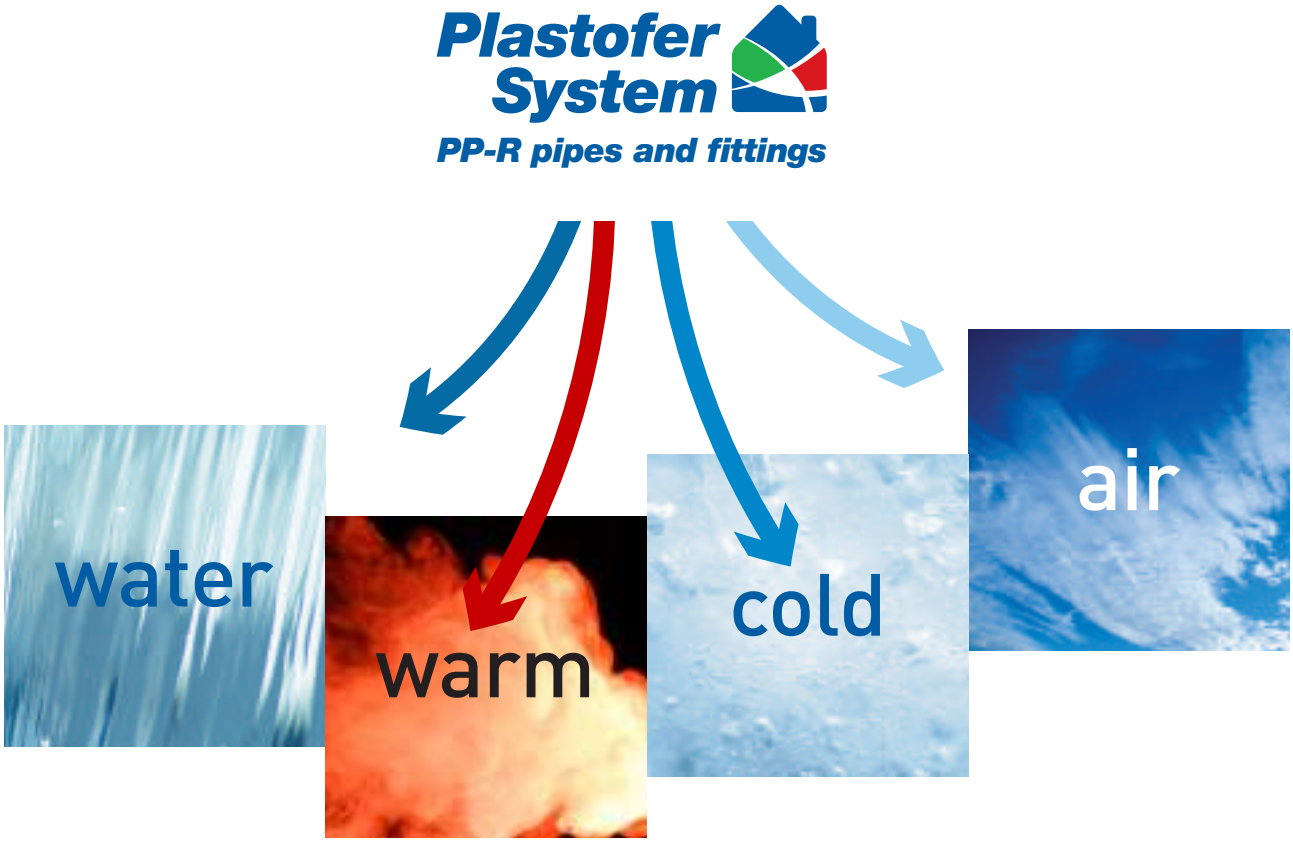
Always attentive to technological innovation , the goods are under control at every stage : from the raw material and his first process, from the design and production of a single product to packaging made by hand. The ability of skilled technicians, and their knowledge of the entire production cycle distinguishes our company for quality and reliability.

This production structure allows us to satisfy any single request. We can offer series of customized items according to specific needs , having a high production flexibility.

While maintaining the philosophy of craftsmanship, we are attentive to the use of the most advanced skills and technologies in the plastic sector, without neglecting productivity, according to the demands of the domestic and international markets.



Market adaptability



Applications

- Potable water application
- Heating system construction
- Connection heating and cooling
- Chilled water technology
- Agricolture
- Swimming-pool technology
- Chemical transport
- Rainwater application
- District heating pipeline system

Quality Certification

The sector of the water-sanitary system has been suffering the world general business trend as well as the manufacturing sector. Behind those negative scenes, made of pessimism and uncertainty, PLASTOFER has managed to maintain and also strengthen its presence on the export markets. This great achievement has been reached thank to the skills and engagements of all the people involved in the company development who caught the message of the management in terms of customer service and production quality.

Moreover the company policy towards Quality has lead to a stronger image among customers, suppliers and competitors, besides the image growth during these difficult moments.

According to the company positive results, the direction wants to stress again the importance of the customer and his needs.

Therefore the Managerial activity will be based once again on the following goals:

- Strong focus on customers needs;
- Improvement of the capacity of production cycles;
- Maintenance of Company certification according to the norm UNI EN ISO 9001:2015.

Managers have the duty to give the right instruments in order to pursue the objectives given.

PLASTOFER wishes a prosperous work and a peaceful business future.

Quality of Plastofer System

Plastofer system complies with all European standard in term of drinkability and atoxicity both of raw material and final product. The company carries out accurate quality tests according to the control plan of UNI EN ISO 15874:2015.

MEETING THE STANDARDS

Plastofer system is in compliance with all European standards for PPR pipes and fittings.

Standards	Characteristics
UNI EN ISO 15874-2	Plastics piping systems for hot and cold water installations PP – Pipes
UNI EN ISO 15874-3	Plastics piping systems for hot and cold water installations PP – Fittings
UNI EN ISO 15874-5	Plastics piping systems for hot and cold water PP Fitness for purpose of the system
DIN 8077	PP pipes - Dimensions
DIN 8078	Quality Requirements for PP pipes
DVS 2207	Welding of thermoplastic material through heating
DVS 2208	Machines and devices to weld thermoplastic materials

PHYSICAL CHARACTERISTICS

Polypropylene Random used by Plastofer system is a crystal polymer with high molecular weight.

Characteristics	Unit	Method	Value
Density to 23°	g/cm	ISO 1183 - DIN 53479	0,90
MFR 190° C/5 Kg	g/10 min	ISO 1133 - DIN 53735	0,55
MFR 230° C/2,16 Kg	g/10 min	ISO 1133 - DIN 53735	0,30
MFR 230° C/5 Kg	g/10 min	ISO 1133 - DIN 53735	1,28

MECHANICAL CHARACTERISTICS

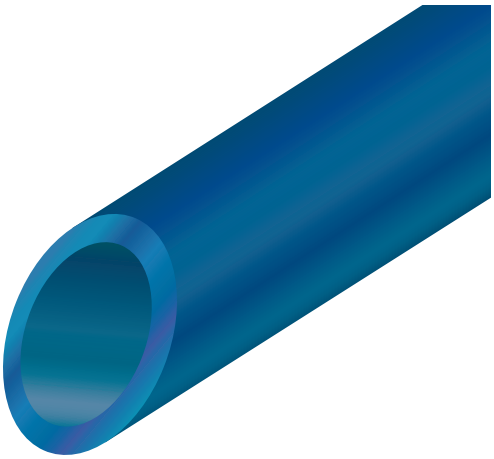
Characteristics	Unit	Method	Value
Tensile modulus (1 mm/min)	MPa	ISO 527	900
Tensile Stress at Yield (50 mm/min)	MPa	ISO 527-2	23
Tensile Strain at Yield (50 mm/min)	%	ISO 527-2	13
Flexural modulus (2 mm/min)	MPa	ISO 178	800
Notch impact strength 23° C	KJ/m2	ISO 179	20
Notch impact strength 0° C	KJ/m2	ISO 179	3,5
Notch impact strength -20° C	KJ/m2	ISO 179	2,0

series
CLASSIC

SDR 6

Applications

Material: PPR
Type: S 2,5
Color: green
Supply: bars of 3-4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



Cod	Ø (mm)	S	pack/m	price
532020	20	3,4	102	
532025	25	4,2	75	
532032	32	5,4	45	

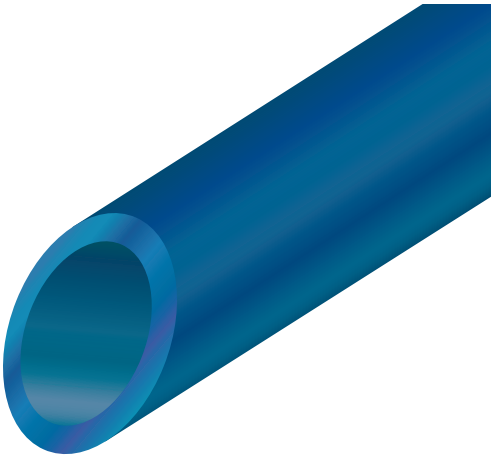
bar lenght 4 meter

542020	20	3,4	100	
542025	25	4,2	100	
542032	32	5,4	60	
542040	40	6,7	40	
542050	50	8,3	20	
542063	63	10,5	20	
542075	75	12,5	12	
542090	90	15,0	8	

SDR 7,4

Applications

Material: PPR
Type: S 3,2
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078

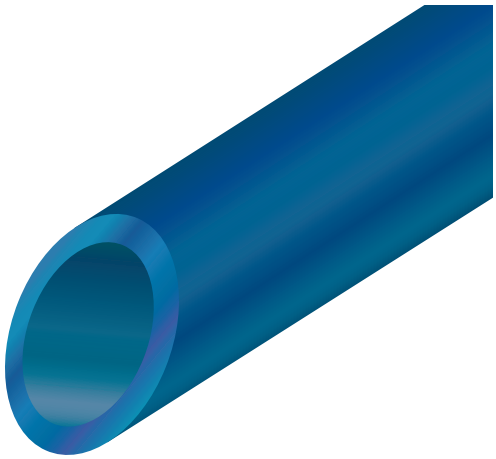


Cod	Ø (mm)	S	pack/m	price
541620	20	2,8	100	
541625	25	3,5	100	
541632	32	4,4	60	
541640	40	5,5	40	
541650	50	6,9	20	
541663	63	8,6	20	
541675	75	10,3	12	
541690	90	12,3	8	
5416110	110	15,1	8	
5416125	125	17,1	4	
5416160	160	21,9	4	

SDR 11

Applications

Material: PPR
Type: S 5
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



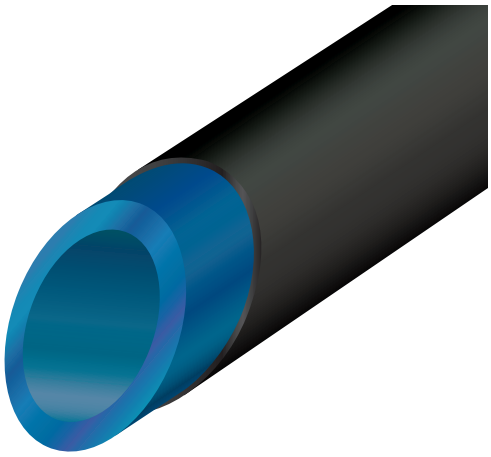
Cod	Ø (mm)	S	pack/m	price
541032	32	2,9	60	
541040	40	3,7	40	
541050	50	4,6	20	
541063	63	5,8	20	
541075	75	6,8	12	
541090	90	8,2	8	
5410110	110	10,0	8	
5410125	125	11,4	4	
5410160	160	14,6	4	

series CLASSICUV

SDR 6

Applications

Material: PPR-PE-UV
Type: S 2,5
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



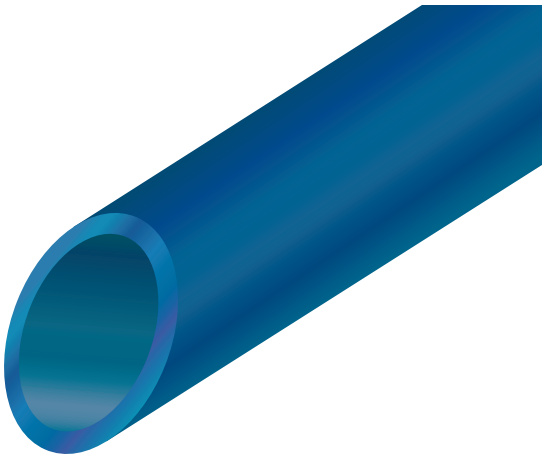
Cod	Ø (mm)	S	pack/m	price
TUBN2020	20	3,4	100	
TUBN2025	25	4,2	100	
TUBN2032	32	5,4	60	
TUBN2040	40	6,7	40	
TUBN2050	50	8,3	20	
TUBN2063	63	10,5	20	
TUBN2075	75	12,5	12	
TUBN2090	90	15,0	8	

series
POWER

SDR 7,4

Applications

Material: PPR-CT
Type: S 3,2
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



Cod	Ø (mm)	S	pack/m	price
TRCT2025	25	3,5	100	
TRCT2032	32	4,4	60	
TRCT2040	40	5,5	40	
TRCT2050	50	6,9	20	
TRCT2063	63	8,6	20	
TRCT2075	75	10,3	12	
TRCT2090	90	12,3	8	
TRCT20110	110	15,1	8	
TRCT20125	125	17,1	4	
TRCT20160	160	21,9	4	

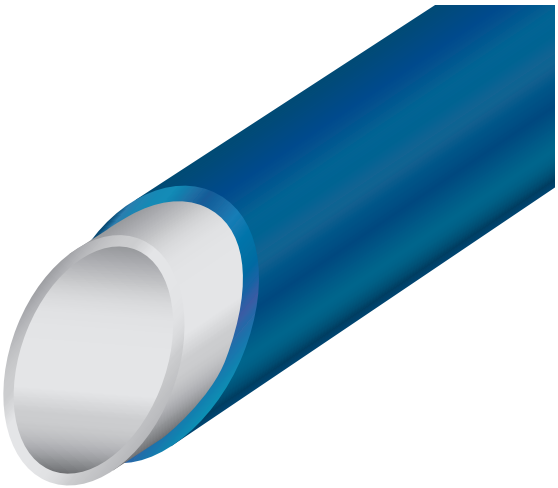
* On request for qty

series
POWERPLUS

SDR 7,4

Applications

Material: PP-RCT
PP-RCT PLUS
Type: S 3,2
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



Cod	Ø (mm)	S	pack/m	price
DBC2020	20	2,8	100	
DBC2025	25	3,5	100	
DBC2032	32	4,4	60	
DBC2040	40	5,5	40	
DBC2050	50	6,9	20	
DBC2063	63	8,6	20	

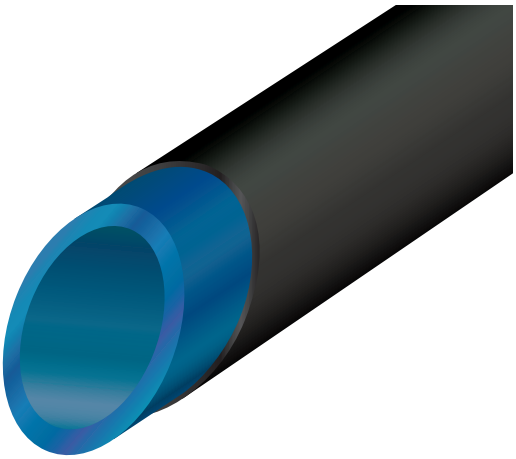
* On request for qty

series
POWERUV

SDR 7,4

Applications

Material: PP-RCT
PE UV
Type: S 3,2
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



Cod	Ø (mm)	S	pack/m	price
TRCN2025	25	3,5	100	
TRCN2032	32	4,4	60	
TRCN2040	40	5,5	40	
TRCN2050	50	6,9	20	
TRCN2063	63	8,6	20	
TRCN2075	75	10,3	12	
TRCN2090	90	12,3	8	

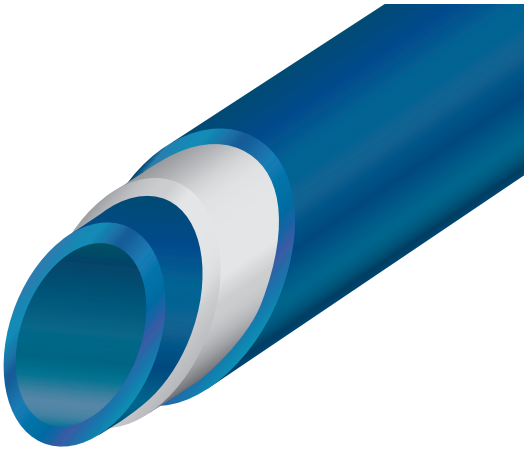
* On request for qty

series
FIBERREINFORCED

SDR 7,4

Applications

Material: PP-RCT
FIBER
PP-RCT
Type: S 3,2
Color: green
Supply: bars of 4 meters
Standards: UNI EN ISO 15874-2
DIN 8077
DIN 8078



Cod	Ø (mm)	S	pack/m	price
TFG2020	20	2,8	100	
TFG2025	25	3,5	100	
TFG2032	32	4,4	60	
TFG2040	40	5,5	40	
TFG2050	50	6,9	20	
TFG2063	63	8,6	20	
TFG2075	75	10,3	12	
TFG2090	90	12,3	8	
TFG20110	110	15,1	8	

Fittings

Applications

POTABLE WATER APPLICATION

HEATING SYSTEM CONSTRUCTION

CONNECTION HEATING AND COOLING

CHILLED WATER TECHNOLOGY

AGRICOLTURE

SWIMMING-POOL TECHNOLOGY

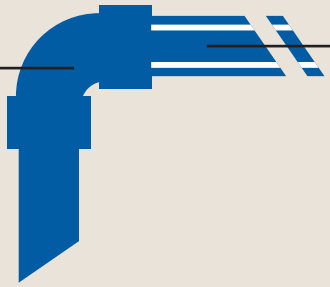
CHEMICAL TRANSPORT

RRAINWATER APPLICATION

DISTRICT HEATING PIPELINE SYSTEM

Assembly Compatibility

RACCORDS
TRADITIONNELS
PP-R



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90° plain elbow

Cod	Ø (mm)	box/pcs	price
601020	20	400	
601025	25	250	
601032	32	150	
601040	40	80	
601050	50	50	
601063	63	24	
601075	75	10	
601090	90	5	
6010110	110	5	
6010125	125	1	
6010160	160	1	

45° plain elbow

Cod	Ø (mm)	box/pcs	price
603020	20	500	
603025	25	300	
603032	32	150	
603040	40	100	
603050	50	50	
603063	63	25	
603075	75	10	
603090	90	5	
6030110	110	5	
6030160	160	1	

Plain coupling

Cod	Ø (mm)	box/pcs	price
604020	20	500	
604025	25	400	
604032	32	200	
604040	40	120	
604050	50	100	
604063	63	50	
604075	75	10	
604090	90	10	
6040110	110	5	
6040125	125	1	
6040160	160	1	

90° plain Tee

Cod	Ø (mm)	box/pcs	price
605020	20	250	
605025	25	150	
605032	32	100	
605040	40	60	
605050	50	30	
605063	63	20	
605075	75	5	
605090	90	5	
6050110	110	1	
6050125	125	1	
6050160	160	1	

M/F plain reduction

Cod	Ø (mm)	box/pcs	price
607015	25x20	600	
607020	32x20	300	
607025	32x25	300	
607030	40x20	200	
607035	40x25	200	
607040	40x32	150	
607043	50x20	200	
607044	50x25	200	
607045	50x32	200	
607050	50x40	100	
607052	63x20	100	
607053	63x25	100	
607054	63x32	100	
607055	63x40	100	
607060	63x50	100	
607065	75x40	5	
607070	75x50	5	
607075	75x63	5	
607083	90x50	2	
607087	90x63	2	
607090	90x75	2	
607094	110x63	2	
607096	110x75	2	
607098	110x90	2	
6070125	125x110	1	
6070159	160x110	1	
6070160	160x125	1	

90° plain reduced Tee

Cod	Ø (mm)	box/pcs	price
608005	25x20x25	200	
608010	32x20x32	100	
608015	32x25x32	100	
608018	40x20x40	60	
608019	40x25x40	60	
608020	40x32x40	60	
608022	50x20x50	40	
608023	50x25x50	40	
608024	50x32x50	40	
608025	50x40x50	30	
608028	63x20x63	25	
608029	63x25x63	25	
608030	63x32x63	25	
608035	63x40x63	20	
608040	63x50x63	20	
608072	75x40x75	2	
608073	75x50x75	2	
608074	75x63x75	2	
608091	90x50x90	1	
608093	90x63x90	1	
608094	90x75x90	1	
608011	110x63x110	1	
608012	110x75x110	1	
608013	110x90x110	1	

By-pass

Cod	Ø (mm)	box/pcs	price
609020	20	100	
609025	25	70	
609032	32	45	

By-pass with coupling

Cod	Ø (mm)	box/pcs	price
609220	20	150	
609225	25	80	

M/F 90° plain elbow

Cod	Ø (mm)	box/pcs	price
602020	20	400	
602025	25	250	
602032	32	150	

Elbow reduction

Cod	Ø (mm)	box/pcs	price
603524	25x20	50	
603530	32x20	50	
603531	32x25	50	

Flange

Cod	Ø (mm)	box/pcs	price
	40	5	
	50	5	
	63	5	
	75	2	
	90	1	
	110	1	
	125	1	
	160	1	

Plain cap

Cod	Ø (mm)	box/pcs	price
606020	20	600	
606025	25	400	
606032	32	250	
606040	40	150	
606050	50	100	
606063	63	50	
606075	75	5	
606090	90	2	
6060110	110	2	

Elbow long

Cod	Ø (mm)	box/pcs	price
602525	25	120	
602532	32	60	

Male stopper

Cod	Ø (mm)	box/pcs	price
606540	40	50	
606550	50	50	
606563	63	50	

Male threaded joint

Cod	Ø (mm)	box/pcs	price
701020	20 x ½	250	
701024	25 x ½	200	
701025	25 x ¾	200	
701032	32 x 1	120	
701040	40 x 1¼	50	
701050	50 x 1½	50	
701063	63 x 2	35	
701075	75 x 2½	2	
701090	90 x 3	2	
7010110	110x4	2	

Female threaded joint

Cod	Ø (mm)	box/pcs	price
702020	20 x ½	300	
702024	25 x ½	250	
702025	25 x ¾	250	
703031	32 x ¾	150	
702032	32 x 1	150	
702040	40 x 1¼	50	
702050	50 x 1½	50	
702063	63 x 2	35	
702075	75 x 2½	2	
702090	90 x 3	2	
7020110	110 x 4	2	

Female threaded elbow

Cod	assembled	Ø (mm)	box/pcs	price
703020		20 x ½	250	
703024		25 x ½	150	
703025		25 x ¾	150	
703031		32 x ¾	100	
703032		32 x 1	100	
703040		40 x 1¼	50	
703050	●	50 x 1½	35	
703063		63 x 2	20	

● ASSEMBLED

Male threaded elbow

Cod	Ø (mm)	box/pcs	price
707020	20 x ½	200	
707024	25 x ½	150	
707025	25 x ¾	150	
707032	32x1	50	

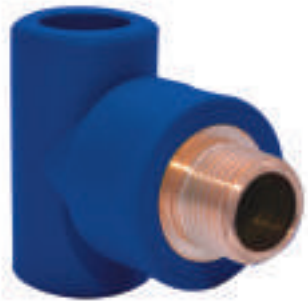
Female threaded Tee

Cod	assembled	Ø (mm)	box/pcs	price
708020		20 x ½	200	
708024		25 x ½	150	
708025		25 x ¾	120	
708031		32 x ¾	50	
708032		32 x 1	50	
708037		40 x ¾	50	
708040		40 x 1¼	40	
708047		50 x ¾	40	
708050	●	50 x 1½	30	
708057		63 x ¾	25	
708063		63 x 2	20	

● ASSEMBLED

Female threaded Tee double

Cod	Ø (mm)	box/pcs	price
708537	40 x ¾ x ¾	40	
708547	50 x ¾ x ¾	30	
708557	63 x ¾ x ¾	20	



Male threaded Tee

Cod	Ø (mm)	box/pcs	price
709020	20 x ½	150	
709024	25 x ½	120	
709025	25 x ¾	120	
709032	32 x 1	50	

Male adaptor threaded female

Cod	Ø (mm)	box/pcs	price
702540	40 x 1¼	100	
702550	50 x 1½	70	
702563	63 x 2'	45	

Female threaded elbow with brackets

Cod	Ø (mm)	box/pcs	price
705020	20	200	

Tap with cap PP/seat

Cod	Ø (mm)	box/pcs	price
803020	20	75	
803025	25	50	
803032	32	50	

Tap with knob PP/seat Luxury

Cod	Ø (mm)	box/pcs	price
803520	20	50	
803525	25	50	
803532	32	40	

Tap with plastic knob

Cod	Ø (mm)	box/pcs	price
807020	20	50	
807025	25	50	
807032	32	40	

Valve with extractable ball luxury **w/cap**

Cod	Ø (mm)	box/pcs	price
804020	20	2	
804025	25	2	
804032	32	2	

Valve with extractable ball luxury **w/lever**

Cod	Ø (mm)	box/pcs	price
805020	20	2	
805025	25	2	
805032	32	2	

Valve with extractable ball luxury **w/handle**

Cod	Ø (mm)	box/pcs	price
806020	20	2	
806025	25	2	
806032	32	2	

Brass union ball valve

Cod	Ø (mm)	box/pcs	price
808020	20	20	
808025	25	20	
808032	32	20	
808040	40	10	
808050	50	10	
808063	63	10	

Valve with plastic lever

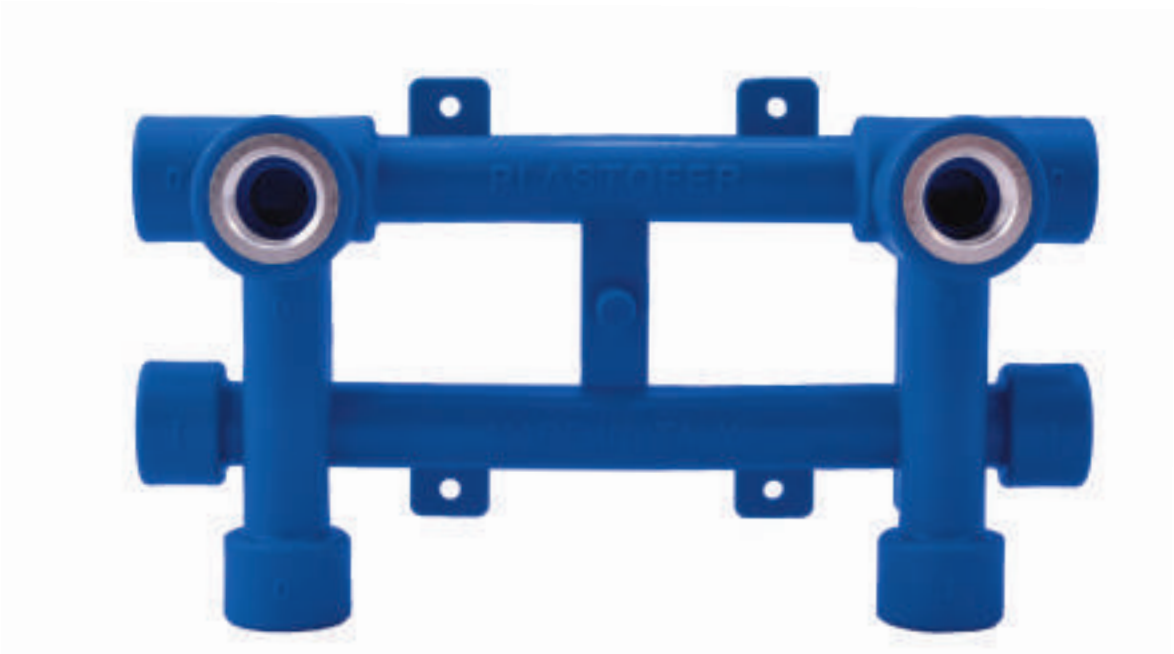
Cod	Ø (mm)	box/pcs	price
807520	20	20	
807525	25	20	
807532	32	20	
807540	40	10	
807550	50	10	
807563	63	10	

Monocontrol mix shower Luxury

Cod	Ø (mm)	box/pcs	price
852020	20	10	

Screw cap for circuit test

Cod	color	Ø (mm)	box/pc	price
911010	B	1/2	300	
911020	R	1/2	300	
911510	B	3/4	300	
911520	R	3/4	300	



6-way modul aligning

Cod	Ø (mm)	box/pcs	price
916510	20	15	

Modul Aligning

Cod	Ø (mm)	box/pc	price
916507	20x1/2	40	
916508	25x1/2	40	

Union male

Cod	Ø (mm)	box/pcs	price
921020	20	10	
921025	25	10	
921032	32	10	
921040	40	5	
921050	50	5	
921063	63	5	

Union female

Cod	Ø (mm)	box/pcs	price
922020	20	10	
922025	25	10	
922032	32	10	
922040	40	5	
922050	50	5	
922063	63	5	

Double union with brass

Cod	Ø (mm)	box/pcs	price
923020	20	10	
923025	25	10	
923032	32	10	
923040	40	5	
923050	50	5	
923063	63	5	

Union PP

Cod	Ø (mm)	box/pcs	price
924020	20	10	
924025	25	10	
924032	32	10	
924040	40	5	
924050	50	5	
924063	63	5	

Melting equipment case

Cod	Ø (mm)	box/pcs	price
916500	20-25-32-40	1	

Pipe cutter

Cod	Ø (mm)	box/pcs	price
918043	0-43	1	

Die to repair holes

Cod	Ø (mm)	box/pcs	price
917007	7	1	
917011	11	1	

Die for male/female welding

Cod	Ø (mm)	box/pcs	price
916020	20	1	
916025	25	1	
916032	32	1	
916040	40	1	
916050	50	1	
916063	63	1	
916075	75	1	
916090	90	1	
9160110	110	1	

Piper calibrator

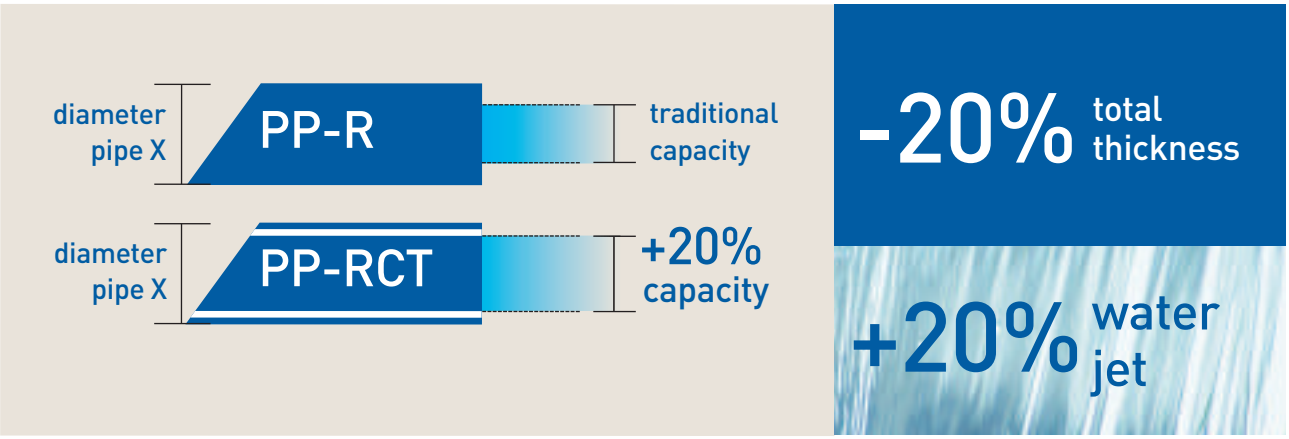
Cod	Ø (mm)	box/pcs	price
918510	20-25	1	
918520	32-40	1	
918530	50-63	1	

The evolution of traditional PP-RCT pipe

The POWER system characterizes Plastofer's response to the evolution of the PP-RCT market. The pipe interior is white and contains additives that increase its strength and purity, allowing a thinner pipe wall and, increasing the water flowrate. Thanks to its greater size stability, these pipes are better suited for heating and cooling systems, compressed-air systems, and various industrial applications.

Plastofer PP-RCT

The special Plastofer PP-RCT β-nucleation process improves the material's crystalline structure, with a consequent improvement in resistance to specific chemical substances. Plastofer PP-RCT's new formulation and production process allows the pipes produced with this material to withstand high levels of pressure, especially at high temperatures.



CLASSIC UV

CLASSIC PLASTOFER UV piping consists of a multilayer PP-R 80 pipe, that covers the series of metric diameters, and an external black PP-R layer. The two layers are bonded together by a special polymer acting as an adhesive.

The outside black PP-R system is a barrier against UV-rays and ageing allowing pipes to be used on the outside of buildings.

A great improvement in acoustic and thermal insulation (with consequential energy conservation), very low friction-head losses, corrosion resistance, non-toxicity. Easy to install.

FIBERREINFORCED and PP-R

Plastofer FIBERGLASS is a three-layer random fiberglass pipe.

This type of pipe immediately exhibits a low thermal dilation, greater resistance to mechanical damage, low-gas permeability, particularly vital in the installation of closed-cycle heating.

The traditional pipe sealing method is sufficient for pipe welding.

General Terms of sale

The following general terms of sale are applicable to all sale contracts carried out in Italy or abroad by PLASTOFER srl. Terms can be changed without any previous notice and they are totally accepted by sellers according to order underwriting.

All offers, orders confirmation and each delivery are ruled by the following conditions:

Orders will be accepted only after buyer have signed agreement, and sellers might have discretion to accept or reject specific orders according to his judgement. Each change or cancellation has to be confirmed by sellers. Quality or quantity of products must to be indicated at the order confirmation moment, or in the invoice when delivered.

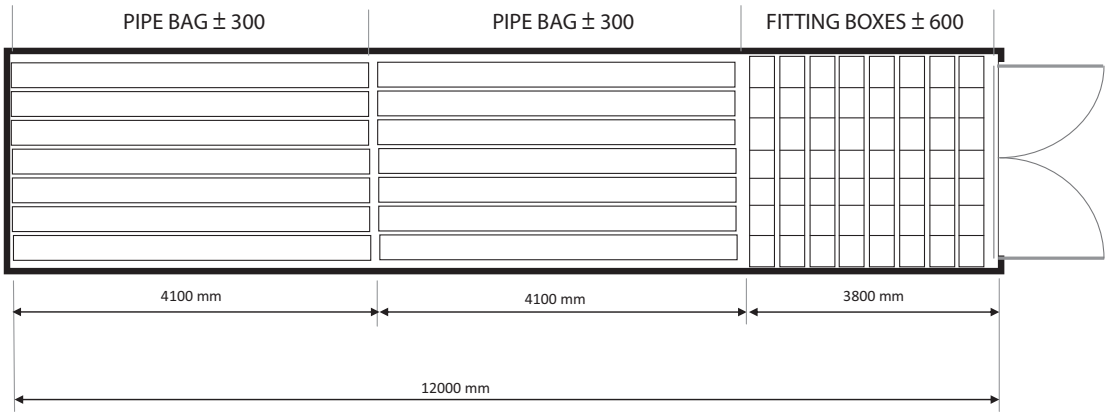
Howered it is allowed to change the quantity, according to the packing standards.

1) Delivery times: to finalize during the confirmation of the order.
2) Delivery: ex-work our factory in Rome.
3) Packaging: any kind of packaging, different from our standard and requested by buyers, could be allowed with an additional cost.
4) Claims: any kind of claim should get within 15 days from order delivery.
5) Payment: to define.
6) Validity: the validity of the offer conditions are generally 30 days.
7) Guaranty: Plastofer srl, has its own guarantee for damages on material raised by Plastofer internal production mistakes.

Boxing and shipping

Example of loading for international Standard Container

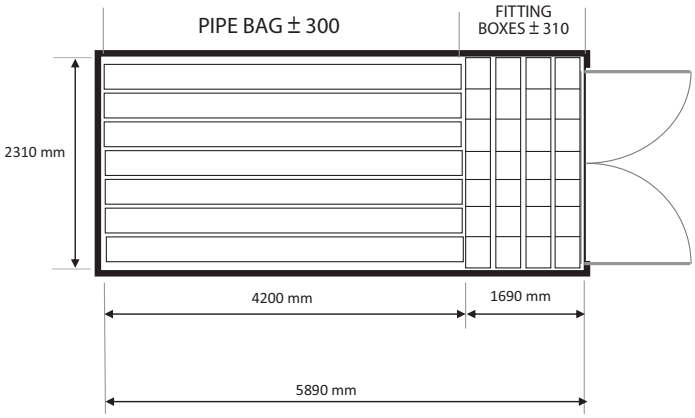
40'' feet Container

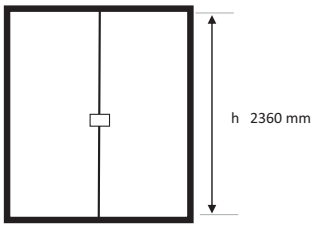


Max Bags n 600

Max Boxes n 600

20'' feet Container





Max Bags n 300

Max Boxes n 310

The Italian PRODUCT

www.plastofer.com

All Plastofer products are fully recyclable

Plastofer®

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