



POLYETHYLENE TUBINGS AND POLYPROPYLENE FITTINGS COLD WATER INSTALLATIONS



www.usmetrix.com

GSP Group Ltd.
Sw. Teresy 103
91-222 Lodz POLAND
tel. +48 042-613-19-00
fax +48 042-652-03-28
email: sales@gsp.pl

www.gsp.pl

Copyright 2006 All rights reserved®

FEATURES AND CONSTRUCTION OF THE SYSTEM

The **USMetrix PE** system consists of polyethylene tubing and an assortment of the most commonly used polypropylene tightening fittings to make permanent and disconnectable installations.

Features : System can be used for cold drinking and usable water. It can be applied in plumbing, sprinkling and water supply systems.

The basic material of the fittings is black polypropylene copolymers. The tightening ring is made of poly-acetal and the o-ring is made of EPDM rubber. The tubing is produced in blue and sold in coils.

Advantages of **USMetrix PE** tubing:

- Excellent durability,
- Smooth inside surface, decreasing flow resistance,
- Resistance to corrosive factors,
- Harmless material for the environment,
- Easy and quick installation.

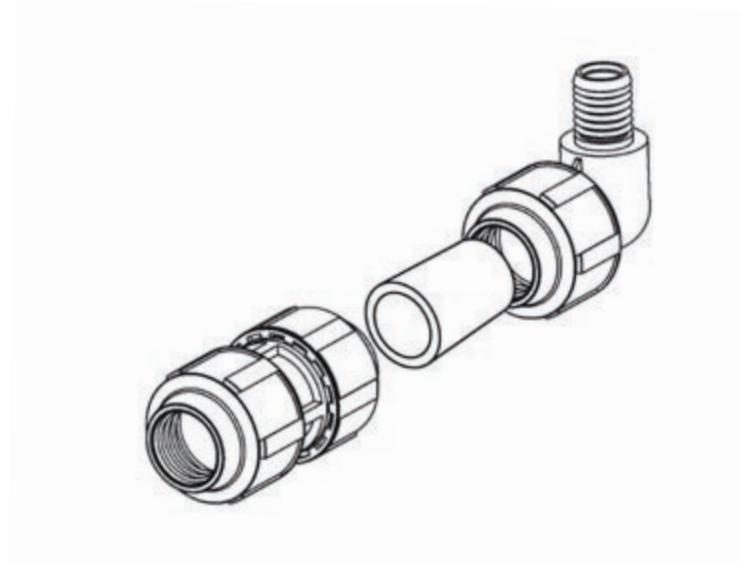
Advantages of **USMetrix PE** fittings:

- Easy and quick installation,
- Special “cone” connection guaranteeing high reliability performance,
- Resistance to corrosive factors,
- Minimum effort required and low costs for installation.

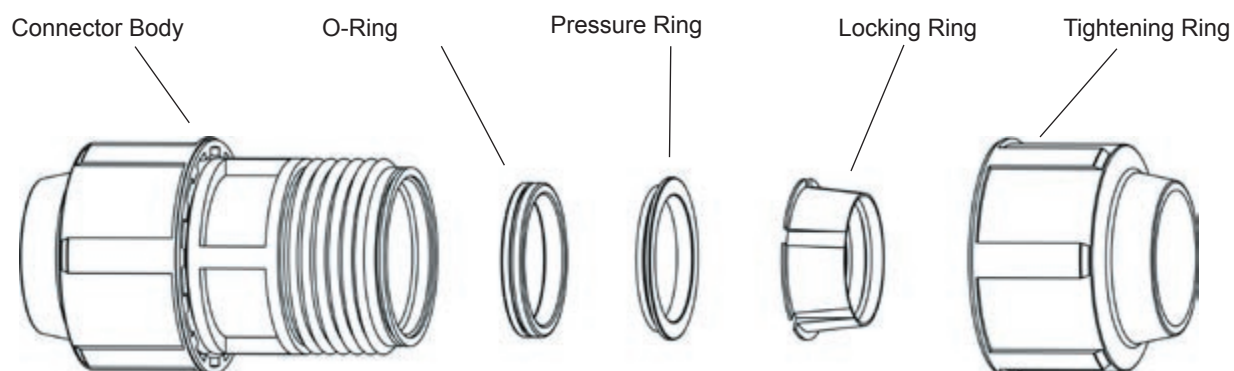
We have on offer PE80 class tubing with a diameter of 20mm to 63mm.

Optimal work temperature of **USMetrix PE** systems tubing is 20 °C
Max. work temperature 30°C

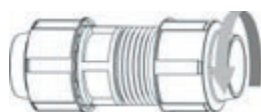
The tubing is produced in blue and is sold in coils.



MONTAŻ



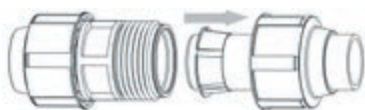
Chamfer end of tubing



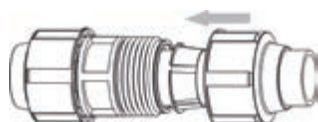
Untighten the tightening ring



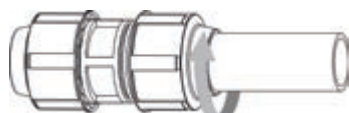
Prepare the tubing and the connector for installation



Slide the tightening ring and then the locking ring on the tubing



Slide the tubing ring inside the connector body



Tighten the tightening ring



	Catalog number	Size	Quantity in box	Box type	Box Weight [kg]
Fitting MIP	PE606-20-12	20X1/2"	60	B	2,95
	PE606-20-34	20X3/4"	50	B	2,50
	PE606-25-12	25X1/2"	75	C	4,45
	PE606-25-34	25X3/4"	75	C	4,40
	PE606-25-1	25X1"	75	C	4,71
	PE606-32-34	32X3/4"	50	C	4,50
	PE606-32-1	32X1"	50	C	4,85
	PE606-32-114	32X1 1/4"	50	C	4,75
	PE606-40-1	40X1"	30	C	4,55
	PE606-40-114	40X1 1/4"	30	C	4,60
	PE606-40-112	40X1 1/2"	30	C	3,50
	PE606-50-112	50X1 1/2"	20	C	4,50
	PE606-50-2	50X2"	10	B	2,40



Fitting FIP	PE607-20-12	20X1/2"	50	B	2,75
	PE607-25-12	25X1/2"	75	C	4,95
	PE607-25-34	25X3/4"	75	C	4,95
	PE607-25-1	25X1"	75	C	5,00
	PE607-32-34	32X3/4"	50	C	5,00
	PE607-32-1	32X1"	50	C	4,50
	PE607-40-1	40X1"	30	C	4,90
	PE607-40-114	40X1 1/4"	30	C	4,70
	PE607-50-114	50X1 1/4"	20	C	4,95
	PE607-50-112	50X1 1/2"	20	C	4,95



Fitting	PE305-20	20X20	50	C	4,00
	PE305-25	25X25	50	C	5,00
	PE305-32	32X32	70	D	10,80
	PE305-40	40X40	40	D	9,00
	PE305-50	50X50	30	D	10,90



Tee	PE301-20	20X20X20	30	C	4,10
	PE301-25	25X25X25	30	C	4,85
	PE301-32	32X32X32	35	D	9,00
	PE301-40	40X40X40	20	D	8,00
	PE301-50	50X50X50	12	D	7,55



Tee MIP	PE602-20-12-20	20X1/2"X20	45	C	4,95
	PE602-20-34-20	20X3/4"X20	45	C	4,85
	PE602-25-12-25	25X1/2"X25	30	C	3,90
	PE602-25-34-25	25X3/4"X25	40	C	4,95
	PE602-32-34-32	32X3/4"X32	20	C	4,05
	PE602-32-1-32	32X1"X32	40	D	8,45
	PE602-40-1-40	40X1"X40	25	D	8,00
	PE602-40-114-40	40X1 1/4"X40	20	D	7,60
	PE602-50-114-50	50X1 1/4"X50	8	C	4,00
	PE602-50-112-50	50X1 1/2"X50	8	C	4,00



	Catalog number	Size	Quantity in box	Box type	Box Weight [kg]
Tee FIP	PE601-20-12-20	20X1/2"X20	45	C	5,15
	PE601-20-34-20	20X3/4"X20	45	C	5,50
	PE601-25-12-25	25X1/2"X25	30	C	3,75
	PE601-25-34-25	25X3/4"X25	40	C	5,50
	PE601-32-12-32	32X1/2"X32	40	D	8,25
	PE601-32-34-32	32X3/4"X32	20	C	4,40
	PE601-32-1-32	32X1"X32	40	D	8,95
	PE601-40-1-40	40X1"X40	25	D	8,00
	PE601-40-114-40	40X11/4"X40	20	D	6,60
	PE601-50-114-50	50X11/4"X50	8	C	4,00
	PE601-50-112-50	50X11/2"X50	8	C	4,15



Elbow 90°	PE304-20	20X20	50	C	4,85
	PE304-25	25X25	45	C	5,10
	PE304-32	32X32	50	D	8,80
	PE304-40	40X40	30	D	8,20
	PE304-50	50X50	10	C	4,50



Elbow 90° MIP	PE605-20-12	20X1/2"	75	C	5,00
	PE605-20-34	20X3/4"	75	C	4,95
	PE605-25-12	25X1/2"	60	C	5,00
	PE605-25-34	25X3/4"	45	C	3,75
	PE605-25-1	25X1"	30	B	2,50
	PE605-32-34	32X3/4"	40	C	4,95
	PE605-32-1	32X1"	20	C	5,00
	PE605-40-1	40X1"	25	C	4,95
	PE605-40-114	40X1 1/4"	20	C	4,00
	PE605-50-114	50X1 1/4"	12	C	3,50
	PE605-50-112	50X1 1/2"	12	C	4,00



Elbow 90° FIP	PE603-20-12	20X1/2"	75	C	5,40
	PE603-20-34	20X3/4"	75	C	5,00
	PE603-25-12	25X1/2"	50	C	4,60
	PE603-25-34	25X3/4"	45	C	4,50
	PE603-32-34	32X3/4"	30	C	4,10
	PE603-32-1	32X1"	30	C	4,10
	PE603-40-1	40X1"	20	C	4,10
	PE603-40-114	40X1 1/4"	20	C	4,35
	PE603-50-114	50X1 1/4"	16	C	4,60
	PE603-50-112	50X1 1/2"	12	C	3,95



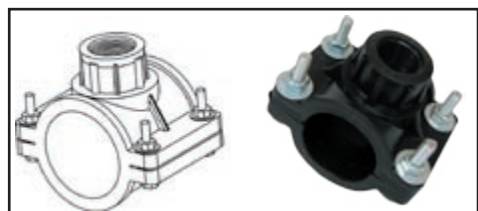
Reduction Tee	PE302-20-25-20	20X25X20	30	C	4,00
	PE302-25-20-25	25X20X25	30	C	4,50
	PE302-25-32-25	25X32X25	20	C	4,00
	PE302-32-25-32	32X25X32	15	C	3,80
	PE302-40-32-40	40X32X40	10	C	3,90
	PE302-50-32-50	50X32X50	8	C	4,50
	PE302-50-40-50	50X40X50	8	C	4,55



	Catalog number	Size	Quantity in box	Box type	Box Weight [kg]
Reduction Fitting	PE306-25-20	25X20	50	C	5,00
	PE306-32-20	32X20	30	C	4,00
	PE306-32-25	32X25	30	C	3,95
	PE306-40-25	40X25	60	D	10,70
	PE306-40-32	40X32	50	D	10,00
	PE306-50-32	50X32	18	C	5,05
	PE306-50-40	50X40	24	D	7,50

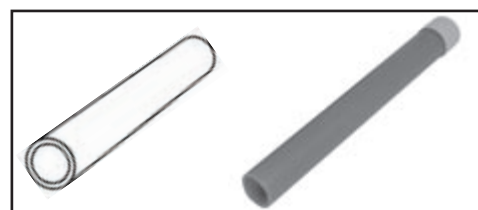


Cap	PE309-20	20 MM.	100	C	5,95
	PE309-25	25 MM.	75	C	5,50
	PE309-32	32 MM.	50	C	5,35
	PE309-40	40 MM.	30	C	5,10
	PE309-50	50 MM.	36	D	8,55



Yoke with screws	PE322-32-12	32X1/2"	50	C	5,00
	PE322-32-34	32X3/4"	50	C	4,95
	PE322-40-12	40X1/2"	50	C	6,55
	PE322-40-34	40X3/4"	75	D	9,50
	PE322-50-12	50X1/2"	20	C	5,65
	PE322-50-34	50X3/4"	20	C	5,65

POLIETHYLENE TUBING



	Catalog number	Diameter x Thickness [mm] of the tubing	Coil Length [m]	Coil Weight [kg/m]
Water tubing PE 80 SDR 13,6 PN 10	PE80-1020*	20X2.0	300	0,12
	PE80-1025	25x2.0	200	0,15
	PE80-1032	32x2.4	200	0,22
	PE80-1040	40x3.0	100	0,35
	PE80-1050	50x3.7	100	0,53
	PE80-1063*	63x4.7	100	0,86

* for the special orders

In order to further satisfy clients we have improved the way you can order USMetrix® systems.

How to order:

After receiving your completed order form we will send you confirmation with an order number and its specifications. The order is realized within 3 working days (only in Poland)

The majority of our supplies are constantly in stock and available in our warehouses.

In sporadic cases where the desired goods are not currently available, or the order's specification needs to be adapted to the individual preferences of the client, the order may take longer to be processed. This will be discussed and agreed with the client by phone.

We inform you that we reserve the right to part fulfillment of orders (in the case of shortage of supplies), and to cancel the order for the parts which were unavailable.

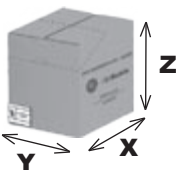
The shipments ☐

Preparing orders for shipment:

All shipments we send are subjected to a dual system of packaging and quantity control.

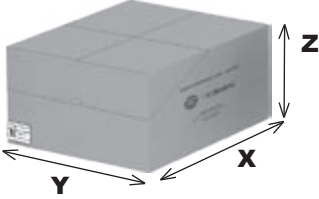
There is a minimum order [given in catalogue] on USMetrix goods, which are packed in standard cardboard boxes, A,B,C or D as shown below.

The company logo, commercial specifications, the size and quantity of the products inside, are marked on every box.



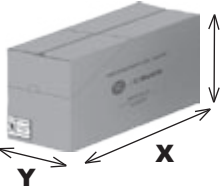
type A Outside dimensions

x [mm]	y [mm]	z [mm]
189	142	173



type C Outside dimensions

x [mm]	y [mm]	z [mm]
394	293	174



type B Outside dimensions

x [mm]	y [mm]	z [mm]
392	148	173

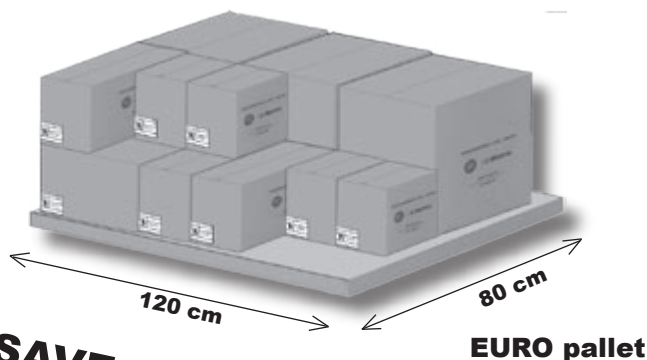


type D Outside dimensions

x [mm]	y [mm]	z [mm]
394	293	358

The durable box is taped with strong, wide tape bearing the company logo. In this way there is no chance that during transport, any unauthorized person could succeed in gaining access to the contents of the shipment.

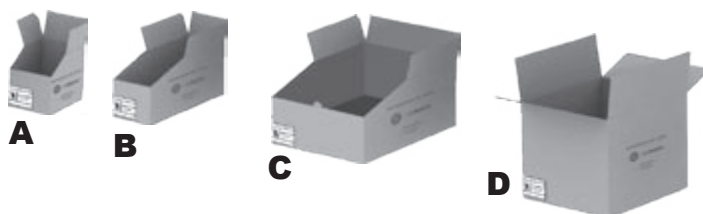
For transport our products are packed on **EURO pallets** and wrapped safely in stretch foil. This way of packaging guarantees that the goods reach the client safely and undamaged. The dimensions of the standard boxes are adapted to the size of the pallets, and loaded accordingly.



SAVE MONEY AND SPACE!

USMetrix
WWW.USMETRIX.COM

**SAVE YOUR MONEY
USING OUR IDEAS!**



For the client's convenience and satisfaction we have perforated every box, which allows you to tear off the cardboard pieces. This creates a kind of „display box”, which can easily replace other packaging and be effectively displayed on warehouse and shop shelves.

Limited liability:

Despite making great efforts to procure it, we cannot guarantee that the technical data published is complete, and does not contain mistakes. Because eventual description errors are not, however, grounds for making claims, if you have any doubts please contact the sales representative who arranged, and assisted you in reaching your decision to make, your purchase.

GSP Group Ltd. is the rightful owner of legal rights to all materials contained in the USMetrix® catalogue, and on our website, www.usmetrix.com. Please contact us to receive permission for any eventual copying of our materials



US Metrix

Solvent welding CPVC installations. Tubing and fittings for cold and hot water.



US Metrix PP

Welding installations. Polypropylene tubing and fittings for cold and hot water.



US Metrix PEX

Tubing and connectors for cold and hot water.



US Metrix QC

Quick connect and manifold systems for cold and hot water.