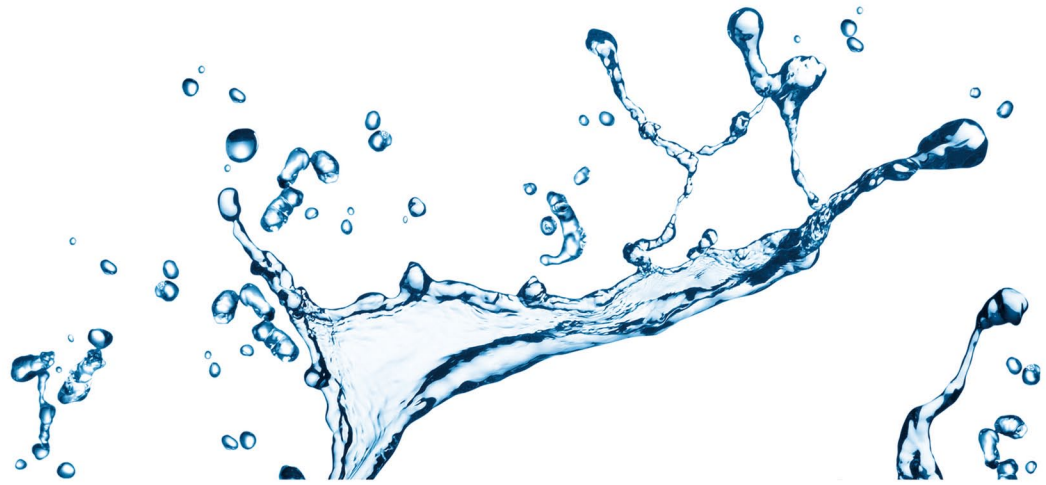




**Blue Ocean**

UNLIMITED  
INNOVATIONS



## OCEAN-FIT PE-RT / PPSU POLYMER PIPING SYSTEMS

Multilayer PE-RT polymer piping systems, PPSU press-fit and push-fit fittings, tools and accessories for hot, cold and potable water installations, water heating systems and air conditioning systems installations inside buildings

2014

**PRODUCT CATALOGUE**

Edition No. 01/2014-08





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**Blue Ocean**

Blue Ocean Industrial Development (UK) Group Limited is a group of companies founded in London, UK.

Blue Ocean is one of the biggest manufacturers of indoor polymer piping systems, welding equipment for polymer piping systems, extrusion equipment, molds and polymer processing equipment.

Strict quality control, years of experience, constant research of new technologies and high quality customer service — these are the main factors that make Blue Ocean one of the leading companies in polymer piping business in the world.

All our products are made according to international standards and are tested in special certified laboratories, our main products are certified by SKZ German Certification Body and our welding equipment, valves and accessories are certified by CE Certification in Italy.

We value our clients and we do our best to support them and all their needs with creative and intelligent solutions.

Products of our Group of companies can be found in more than 40 countries all over the world.



All production companies for Blue Ocean Industrial Development (UK) Group Limited are certified with the following ISO standards:

ISO 9001:2008 Certification of Quality Management System

ISO 14001:2004 Certification of Environmental Management System

ISO 28001:2001 Certification of Occupational Health and Safety Management System

Blue Ocean OCEAN-FIT PE-RT / PPSU polymer piping systems products are produced according to the following international standards:

EN ISO 21003: 2008 Multilayer piping systems for hot and cold water installations inside buildings

EN ISO 22391: 2011 Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT)

DIN 16833: 2009 Polyethylene pipes of raised temperature resistance (PE-RT) - PE-RT Type I and PE-RT Type II - General quality requirements, testing

DIN 16836: 2006 Multilayer pipes – Polyolefin-Aluminum-Multilayer pipes – General requirements and testing

DIN 16837: 2006 Multilayer pipes – Plastics-Multilayer pipes – General quality requirements and testing

DIN 4721 Plastic piping systems for warm water floor heating systems and radiator connections (PE-RT)

DIN 4726 Warm water floor heating systems and radiator pipe connecting – Piping of plastic Materials

DIN 16838: 2010 Thermoplastics materials for fittings - Polyphenylene sulfone (PPSU) - General quality requirements and testing

## Blue Ocean OCEAN-FIT Series PE-RT / PPSU polymer piping systems

Blue Ocean OCEAN-FIT Series PE-RT / PPSU system is produced according to the latest and improved technologies in plumbing and heating systems. After many years of research and technology improvement, we proudly present our own PE-RT / PPSU system. Easiness of application both for push-fit and press-fit systems makes it a perfect solution for modern plumbing and heating applications, and light weight and high raw material resistances is a huge advantage over brass systems in the same applications.

### Main applications\*:

- Plumbing (Hot, cold and potable water transportation)
- Water heating radiator connections and manifolds
- Under floor heating systems
- Air pressure and air conditioning systems
- Solar thermal systems

### PPSU Raw material:

Polyphenylsulfone (PPSU) is a type of moldable plastic often used in rapid prototyping and rapid manufacturing applications. Polyphenylsulfone is a heat and chemical-resistant material. It is typically used in automotive, aerospace and plumbing applications. Polyphenylsulfone has virtually no melting point, due to its amorphous nature, and offers tensile strength up to 8000 psi. Its commercial name is Radel.

### Key features:

- High temperature resistance
- High chemical resistance
- Low weight comparing to brass fittings for the same applications
- Low heat expansion
- Exceptional long-term hydrolytic stability
- Superior toughness and impact strength
- No corrosion

\*for indoor application only



# POLYMER AND POLYMER-COMPOSITE PIPES FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



PERT single layer pipes for under floor heating, water temp. up to 60°C, PN. 1.0 MPa (Series Code BO - 020100100000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/FHS /16x2.0 - c (in coils)	16	2.0	PERT/FHS	1.0	200
PERT/FHS /20x2.0 - c (in coils)	20	2.0	PERT/FHS	1.0	100
PERT/FHS /25x2.3 - c (in coils)	25	2.3	PERT/FHS	1.0	50



PERT/EVOH/PERT multilayer composite pipes with oxygen barrier for under floor heating, water temp. up to 60°C, PN. 1.0 MPa (Series Code BO - 020100200000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT /EVOH/PERT-OB/16x2.0 - c (in coils)	16	2.0	PERT/EVOH	1.0	200
PERT /EVOH/PERT-OB/20x2.0 - c (in coils)	20	2.0	PERT/EVOH	1.0	100
PERT /EVOH/PERT-OB/25x2.5 - c (in coils)	25	2.5	PERT/EVOH	1.0	50



PERT/AL/PERT overlap welding composite pipe for cold, hot water transportation, heating systems, water temp. up to 95°C, PN. 1.0 MPa (Series Code BO - 020100300000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/AL/PERT (X) OLW -16x2.0 - c (in coils)	16	2.0	PERT/AL	1.0	200
PERT/AL/PERT (X) OLW -20x2.0 - c (in coils)	20	2.0	PERT/AL	1.0	100
PERT/AL/PERT (X) OLW -25x2.5 - c (in coils)	25	2.5	PERT/AL	1.0	50
PERT/AL/PERT (X) OLW -32x3.0 - c (in coils)	32	3.0	PERT/AL	1.0	50



PERT/AL/PERT but welding composite pipe for cold, hot water transportation, heating system, water temp. up to 95°C, PN. 1.0 MPa (Series Code BO - 020100400000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/AL/PERT (X) BW -16x2.0 - c (in coils)	16	2.0	PERT/AL	1.0	200
PERT/AL/PERT (X) BW -20x2.0 - c (in coils)	20	2.0	PERT/AL	1.0	100
PERT/AL/PERT (X) BW -25x2.5 - c (in coils)	25	2.5	PERT/AL	1.0	50
PERT/AL/PERT (X) BW -26x3.0 - c (in coils)	26	3.0	PERT/AL	1.0	50
PERT/AL/PERT (X) BW -32x3.0 - c (in coils)	32	3.0	PERT/AL	1.0	50



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The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011



# POLYMER AND POLYMER-COMPOSITE PIPES FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



PERT/AL/PERT overlap welding composite pipe for gas transportation for indoor application, yellow color, PN. 1.6 Mpa (Series Code BO - 020100500000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/AL/PERT (X) OLW- G -16x2.0 - c (in coils)	16	2.0	PERT/AL-GAS	1.6	200
PERT/AL/PERT (X) OLW- G -20x2.0 - c (in coils)	20	2.0	PERT/AL-GAS	1.6	100
PERT/AL/PERT (X) OLW- G -25x2.5 - c (in coils)	25	2.5	PERT/AL-GAS	1.6	50
PERT/AL/PERT (X) OLW- G -32x3.0 - c (in coils)	32	3.0	PERT/AL-GAS	1.6	50



PERT/AL/PERT but welding composite pipe for gas transportation for indoor application, yellow color, PN. 1.6 MPa (Series Code BO - 020100600000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/AL/PERT (X) BW -G -16x2.0 - c (in coils)	16	2.0	PERT/AL-GAS	1.6	200
PERT/AL/PERT (X) BW - G -20x2.0 - c (in coils)	20	2.0	PERT/AL-GAS	1.6	100
PERT/AL/PERT (X) BW - G -25x2.5 - c (in coils)	25	2.5	PERT/AL-GAS	1.6	50
PERT/AL/PERT (X) BW - G -26x3.0 - c (in coils)	26	3.0	PERT/AL-GAS	1.6	50
PERT/AL/PERT (X) BW - G -32x3.0 - c (in coils)	32	3.0	PERT/AL-GAS	1.6	50



PERT/AL/PERT overlap welding composite pipe for air conditioning systems for indoor application, silver color, PN. 1.0 Mpa (Series Code BO - 020100700000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/AL/PERT (S)/OLW-CS-16x2.0 (in coils)	16	2.0	PERT/AL-CS	1.0	200
PERT/AL/PERT (S)/OLW-CS-20x2.0 (in coils)	20	2.0	PERT/AL-CS	1.0	100
PERT/AL/PERT (S)/OLW-CS-25x2.5 (in coils)	25	2.5	PERT/AL-CS	1.0	50
PERT/AL/PERT (S)/OLW-CS-32x3.0 (in coils)	32	3.0	PERT/AL-CS	1.0	50



PERT/AL/PERT but welding composite pipe for air conditioning systems for indoor application, silver color, PN. 1.0 MPa (Series Code BO - 020100800000)

Product Code	Outside diameter, mm	Wall thickness mm	Pipes Serial	Water working pressure, MPa	Quantity per package, pieces/ m
PERT/AL/PERT (S)/BW-CS-16x2.0 (in coils)	16	2.0	PERT/AL-CS	1.0	200
PERT/AL/PERT (S)/BW-CS-20x2.0 (in coils)	20	2.0	PERT/AL-CS	1.0	100
PERT/AL/PERT (S)/BW-CS-25x2.5 (in coils)	25	2.5	PERT/AL-CS	1.0	50
PERT/AL/PERT (S)/BW-CS-26x3.0 (in coils)	26	3.0	PERT/AL-CS	1.0	50
PERT/AL/PERT (S)/BW-CS-32x3.0 (in coils)	32	3.0	PERT/AL-CS	1.0	50

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011

# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS

BLUE OCEAN PPSU OCEAN-FIT press-fit series fittings for heating and water supply



## Equal Tee (Series Code BO - 020201001000)

Product code	Inside diameter D, mm	Quantity per carton, pcs
PPSU/ET(B)PRFF -16	16	240
PPSU/ET(B)PRFF -20	20	240
PPSU/ET(B)PRFF -25	25	120
PPSU/ET(B)PRFF -26	26	120
PPSU/ET(B)PRFF -32	32	60



## Bottom reducing tee (Series Code BO - 0202010200)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/BRT(B)PRFF -16x20x16	20	16	240
PPSU/BRT(B)PRFF -20x25x20	25	20	120
PPSU/BRT(B)PRFF -20x26x20	26	20	120
PPSU/BRT(B)PRFF -20x32x20	32	20	90
PPSU/BRT(B)PRFF -25x32x25	32	25	60
PPSU/BRT(B)PRFF -26x32x26	32	26	60



## Top reducing tee (Series Code BO - 0202010300)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/TRT(B)PRFF -20x16x20	20	16	240
PPSU/TRT(B)PRFF -25x16x25	25	16	120
PPSU/TRT(B)PRFF -26x16x26	26	16	120
PPSU/TRT(B)PRFF -25x20x25	25	20	120
PPSU/TRT(B)PRFF -26x20x26	26	20	120
PPSU/TRT(B)PRFF -32x20x32	32	20	120
PPSU/TRT(B)PRFF -32x25x32	32	25	60
PPSU/TRT(B)PRFF -32x26x32	32	26	60



# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



Side reducing tee (Series Code BO - 0202010400)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/SRT(B)PRFF -20x16x16	20x16x16		240
PPSU/SRT(B)PRFF -20x20x16	20x20x16		240
PPSU/SRT(B)PRFF -25x16x16	25x16x16		180
PPSU/SRT(B)PRFF -26x16x16	26x16x16		180
PPSU/SRT(B)PRFF -25x16x20	25x16x20		180
PPSU/SRT(B)PRFF -26x16x20	26x16x20		180
PPSU/SRT(B)PRFF -25x20x20	25x20x20		90
PPSU/SRT(B)PRFF -26x20x20	26x20x20		90
PPSU/SRT(B)PRFF -25x32x32	25x32x32		60
PPSU/SRT(B)PRFF -26x32x32	26x32x32		60
PPSU/SRT(B)PRFF -32x25x25	32x25x25		60
PPSU/SRT(B)PRFF -32x26x26	32x26x26		60



Tee FT with brass alloy insert (Series Code BO - 0202010500)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/TFT(B)PRFF -16x1/2Fx16	16	1/2"	120
PPSU/TFT(B)PRFF -20x 1/2Fx20	20	1/2"	120
PPSU/TFT(B)PRFF -20x 3/4Fx20	20	3/4"	120
PPSU/TFT(B)PRFF -25x 1/2Fx25	25	1/2"	90
PPSU/TFT(B)PRFF -25x 3/4Fx25	25	3/4"	120
PPSU/TFT(B)PRFF -26x 1/2Fx26	26	1/2"	90
PPSU/TFT(B)PRFF -26x 3/4Fx26	26	3/4"	120
PPSU/TFT(B)PRFF -32x 3/4Fx32	32	3/4"	60
PPSU/TFT(B)PRFF -32x 1Fx32	32	1"	60



Tee MT (Series Code BO - 0202010600)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/TMT(B)PRFF -16x1/2Mx16	16	1/2"	240
PPSU/TMT(B)PRFF -20x 1/2Mx20	20	1/2"	240
PPSU/TMT(B)PRFF -20x 3/4Mx20	20	3/4"	180
PPSU/TMT(B)PRFF -25x 1/2Mx25	25	1/2"	120
PPSU/TMT(B)PRFF -25x 3/4Mx25	25	3/4"	120
PPSU/TMT(B)PRFF -26x 1/2Mx26	26	1/2"	120
PPSU/TMT(B)PRFF -26x 3/4Mx26	26	3/4"	120
PPSU/TMT(B)PRFF -32x 3/4Mx32	32	3/4"	60
PPSU/TMT(B)PRFF -32x 1Mx32	32	1"	60

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011

# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



## 90° elbow (Series Code BO - 0202010700)

Product code	Inside diameter D, mm	Quantity per carton, pcs
PPSU/90E(B)PRFF -16	16	480
PPSU/90E(B)PRFF -20	20	240
PPSU/90E(B)PRFF -25	25	120
PPSU/90E(B)PRFF -26	26	120
PPSU/90E(B)PRFF -32	32	90



## 90° elbow MT (Series Code BO - 0202010800)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/90EMT(B)PRFF -16x1/2M	16	1/2"	240
PPSU/90EMT(B)PRFF -20x 1/2M	20	1/2"	240
PPSU/90EMT(B)PRFF -20x 3/4M	20	3/4"	240
PPSU/90EMT(B)PRFF -25x 1/2M	25	1/2"	240
PPSU/90EMT(B)PRFF -25x 3/4M	25	3/4"	180
PPSU/90EMT(B)PRFF -26x 1/2M	26	1/2"	240
PPSU/90EMT(B)PRFF -26x 3/4M	26	3/4"	180
PPSU/90EMT(B)PRFF -32x 3/4M	32	3/4"	90
PPSU/90EMT(B)PRFF -32x 1M	32	1"	90



## 90° elbow FT with brass alloy insert (Series Code BO - 0202010900)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/90EFT(B)PRFF -16x1/2F	16	1/2"	240
PPSU/90EFT(B)PRFF -20x 1/2F	20	1/2"	240
PPSU/90EFT(B)PRFF -20x 3/4F	20	3/4"	120
PPSU/90EFT(B)PRFF -25x 1/2F	25	1/2"	120
PPSU/90EFT(B)PRFF -25x 3/4F	25	3/4"	120
PPSU/90EFT(B)PRFF -26x 1/2F	26	1/2"	120
PPSU/90EFT(B)PRFF -26x 3/4F	26	3/4"	120
PPSU/90EFT(B)PRFF -32x 3/4F	32	3/4"	90
PPSU/90EFT(B)PRFF -32x 1F	32	1"	90



## Back plate 90° elbow FT with brass alloy insert (Series Code BO - 0202011000)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/BP90EFT(B)PRFF -16x1/2F	16	1/2"	240
PPSU/BP90EFT(B)PRFF -20x 1/2F	20	1/2"	120
PPSU/BP90EFT(B)PRFF -20x 3/4F	20	3/4"	120



UNLIMITED INNOVATIONS

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011





# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



## Coupling (Series Code BO - 0202011100)

Product code	Inside diameter D, mm		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/C(B)PRFF -16	16		480
PPSU/C(B)PRFF -20	20		240
PPSU/C(B)PRFF -25	25		120
PPSU/C(B)PRFF -26	26		120
PPSU/C(B)PRFF -32	32		120



## Reducing coupling (Series Code BO - 0202011200)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/RC(B)PRFF -20x 16	20	16	240
PPSU/RC(B)PRFF -25x 16	25	16	240
PPSU/RC(B)PRFF -25x 20	25	20	240
PPSU/RC(B)PRFF -26x 16	26	16	240
PPSU/RC(B)PRFF -26x 20	26	20	240
PPSU/RC(B)PRFF -32x 20	32	20	120
PPSU/RC(B)PRFF -32x 25	32	25	120
PPSU/RC(B)PRFF -32x 26	32	26	120



## Adaptor MT (Series Code BO - 0202011300)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/AMT(B)PRFF -16x 1/2M	16	1/2"	480
PPSU/AMT(B)PRFF -20x 1/2M	20	1/2"	480
PPSU/AMT(B)PRFF -20x 3/4M	20	3/4"	240
PPSU/AMT(B)PRFF -25x 1/2M	25	1/2"	240
PPSU/AMT(B)PRFF -25x 3/4M	25	3/4"	240
PPSU/AMT(B)PRFF -26x 1/2M	26	1/2"	240
PPSU/AMT(B)PRFF -26x 3/4M	26	3/4"	240
PPSU/AMT(B)PRFF -32x 3/4M	32	3/4"	120
PPSU/AMT(B)PRFF -32x 1M	32	1"	120



## Adaptor FT with brass alloy insert (Series Code BO - 0202011400)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/AFT(B)PRFF -16x 1/2F	16	1/2"	240
PPSU/AFT(B)PRFF -20x 1/2F	20	1/2"	240
PPSU/AFT(B)PRFF -20x 3/4F	20	3/4"	240
PPSU/AFT(B)PRFF -25x 1/2F	25	1/2"	120
PPSU/AFT(B)PRFF -25x 3/4F	25	3/4"	120
PPSU/AFT(B)PRFF -26x 1/2F	26	1/2"	120
PPSU/AFT(B)PRFF -26x 3/4F	26	3/4"	120
PPSU/AFT(B)PRFF -32x 3/4F	32	3/4"	120
PPSU/AFT(B)PRFF -32x 1F	32	1"	90

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011

# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



Valve with brass alloy ceramic cartridge (Series Code BO - 0202011500)

Product code	Inside diameter D, mm	Quantity per carton, pcs
PPSU/VCC(B)PRFF -16	16	60
PPSU/VCC(B)PRFF -20	20	60
PPSU/VCC(B)PRFF -25	25	40
PPSU/VCC(B)PRFF -26	26	40

## BLUE OCEAN PPSU OCEAN-FIT push-fit series fittings for heating and water supply



Equal tee (Series Code BO - 0202020100)

Product code	Inside diameter D, mm	Quantity per carton, pcs
PPSU/ET(BW)PFF -16	16	120
PPSU/ET(BW)PFF -20	20	90
PPSU/ET(BW)PFF -25	25	60
PPSU/ET(BW)PFF -26	26	60
PPSU/ET(BW)PFF -32	32	40



Top reducing tee (Series Code BO - 0202020200)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/TRT(BW)PFF -20x16x20	20	16	90
PPSU/TRT(BW)PFF -25x16x25	25	16	60
PPSU/TRT(BW)PFF -26x16x26	26	16	60
PPSU/TRT(BW)PFF -25x20x25	25	20	60
PPSU/TRT(BW)PFF -26x20x26	26	20	60



Bottom reducing tee (Series Code BO - 0202020300)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/BRT(BW)PFF -16x20x16	20	16	90



# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



## Side reducing tee (Series Code BO - 0202020400)

Product code	Inside diameter D, mm		Quantity per carton, pcs
PPSU/SRT(BW)PFF -20x16x16	20x16x16		120
PPSU/SRT(BW)PFF -20x20x16	20x20x16		90
PPSU/SRT(BW)PFF -25x20x20	25x20x20		60
PPSU/SRT(BW)PFF -26x20x20	26x20x20		60
PPSU/SRT(BW)PFF -25x25x16	25x25x16		60
PPSU/SRT(BW)PFF -26x26x16	26x26x16		60
PPSU/SRT(BW)PFF -25x25x20	25x25x20		60
PPSU/SRT(BW)PFF -26x26x20	26x26x20		60
PPSU/SRT(BW)PFF -32x25x25	32x25x25		60
PPSU/SRT(BW)PFF -32x26x26	32x26x26		60



## Tee FT with brass alloy insert (Series Code BO - 0202020500)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/TFT(BW)PFF -16x1/2Fx16	16	1/2"	180
PPSU/TFT(BW)PFF -20x1/2Fx20	20	1/2"	120
PPSU/TFT(BW)PFF -20x3/4Fx20	20	3/4"	120
PPSU/TFT(BW)PFF -25x1/2Fx25	25	1/2"	80
PPSU/TFT(BW)PFF -25x3/4Fx25	25	3/4"	80
PPSU/TFT(BW)PFF -26x1/2Fx26	26	1/2"	80
PPSU/TFT(BW)PFF -26x3/4Fx26	26	3/4"	80



## Tee MT (Series Code BO - 0202020600)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/TMT(BW)PFF -16x1/2Mx16	16	1/2"	120
PPSU/TMT(BW)PFF -20x1/2Mx20	20	1/2"	90
PPSU/TMT(BW)PFF -20x3/4Mx20	20	3/4"	90
PPSU/TMT(BW)PFF -25x1/2Mx25	25	1/2"	60
PPSU/TMT(BW)PFF -25x3/4Mx25	25	3/4"	60
PPSU/TMT(BW)PFF -26x1/2Mx26	26	1/2"	60
PPSU/TMT(BW)PFF -26x3/4Mx26	26	3/4"	60



## 90° elbow (Series Code BO - 0202020700)

Product code	Inside diameter D, mm		Quantity per carton, pcs
PPSU/90E(BW)PFF -16	16		240
PPSU/90E(BW)PFF -20	20		120
PPSU/90E(BW)PFF -25	25		90
PPSU/90E(BW)PFF -26	26		90
PPSU/90E(BW)PFF -32	32		60

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011

# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



## 90° elbow MT (Series Code BO - 0202020800)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/90EMT(BW)PFF -16 x 1/2M	16	1/2"	240
PPSU/90EMT(BW)PFF -20 x 1/2M	20	1/2"	240
PPSU/90EMT(BW)PFF -20 x 3/4M	20	3/4"	120
PPSU/90EMT(BW)PFF -25 x 3/4M	25	3/4"	90
PPSU/90EMT(BW)PFF -26 x 3/4M	26	3/4"	90



## 90° elbow FT with brass alloy insert (Series Code BO - 0202020900)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/90EFT(BW)PFF -16 x 1/2F	16	1/2"	240
PPSU/90EFT(BW)PFF -20 x 1/2F	20	1/2"	180
PPSU/90EFT(BW)PFF -20 x 3/4F	20	3/4"	120
PPSU/90EFT(BW)PFF -25 x 3/4F	25	3/4"	90
PPSU/90EFT(BW)PFF -26 x 3/4F	26	3/4"	90



## Back plate 90° elbow FT with brass alloy insert (Series Code BO - 0202021000)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/BP90EFT(BW)PFF -16 x 1/2F	16	1/2"	120
PPSU/BP90EFT(BW)PFF -20 x 1/2F	20	1/2"	120
PPSU/BP90EFT(BW)PFF -20 x 3/4F	20	3/4"	120
PPSU/BP90EFT(BW)PFF -25 x 3/4F	25	3/4"	120
PPSU/BP90EFT(BW)PFF -26 x 3/4F	26	3/4"	120



## Coupling (Series Code BO - 0202021100)

Product code	Inside diameter D, mm	Quantity per carton, pcs
PPSU/C (BW)PFF -16	16	240
PPSU/C (BW)PFF -20	20	180
PPSU/C (BW)PFF -25	25	120
PPSU/C (BW)PFF -26	26	120
PPSU/C (BW)PFF -32	32	90





# FITTINGS FOR BLUE OCEAN PPSU OCEAN-FIT PIPING SYSTEMS



## Reducing coupling (Series Code BO - 0202021200)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	d, mm	
PPSU/RC (BW)PFF -20x16	20	16	180
PPSU/RC (BW)PFF -25x16	25	16	120
PPSU/RC (BW)PFF -25x20	25	20	120
PPSU/RC (BW)PFF -26x16	26	16	120
PPSU/RC (BW)PFF -26x20	26	20	120
PPSU/RC (BW)PFF -32x25	32	25	90
PPSU/RC (BW)PFF -32x26	32	26	90



## Adaptor MT (Series Code BO - 0202021300)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/AMT (BW)PFF -16x 1/2M	16	1/2"	480
PPSU/AMT (BW)PFF -20x 1/2M	20	1/2"	240
PPSU/AMT (BW)PFF -20x 3/4M	20	3/4"	240
PPSU/AMT (BW)PFF -25x 3/4M	25	3/4"	120
PPSU/AMT (BW)PFF -25x 1M	25	1"	120
PPSU/AMT (BW)PFF -26x 3/4M	26	3/4"	120
PPSU/AMT (BW)PFF -26x 1M	26	1"	120
PPSU/AMT (BW)PFF -32x 1M	32	1"	90



## Adaptor FT with brass alloy insert (Series Code BO - 0202021400)

Product code	Inside diameter		Quantity per carton, pcs
	D, mm	R, inch	
PPSU/AFT (BW)PFF -16x 1/2F	16	1/2"	240
PPSU/AFT (BW)PFF -20x 1/2F	20	1/2"	240
PPSU/AFT (BW)PFF -20x 3/4F	20	3/4"	120
PPSU/AFT (BW)PFF -25x 3/4F	25	3/4"	120
PPSU/AFT (BW)PFF -25x 1F	25	1"	90
PPSU/AFT (BW)PFF -26x 3/4F	26	3/4"	120
PPSU/AFT (BW)PFF -26x 1F	26	1"	90



## Valve with brass alloy ceramic cartridge (Series Code BO - 0202021500)

Product code	Inside diameter D, mm	Quantity per carton, pcs
PPSU/VCC(BW)PFF -16	16	60
PPSU/VCC(BW)PFF -20	20	60
PPSU/VCC(BW)PFF -25	25	40
PPSU/VCC(BW)PFF -26	26	40

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011

# BLUE OCEAN PPSU AND PC OCEAN-FIT SYSTEMS ACCESSORIES AND TOOLS

## Chamfering and Calibration tools for composite pipes in coils for BLUE OCEAN PPSU OCEAN-FIT piping systems



Four-way Chamfering and Calibration Tool Type 01 for composite pipes in coils (Series Code BO - 0302010100)

Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/CAL-T01 /16 - 32	16 - 32	60

## Bending spring and toolkit for composite pipes in coils for BLUE OCEAN PPSU OCEAN-FIT piping systems



External bending spring (Series Code BO - 0302020100)

Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/-EBS / - 12/16	12/16	30
PPSU/-EBS / - 16/20	16/20	30
PPSU/-EBS / - 20/25	20/25	20
PPSU/-EBS / - 20/26	20/26	20
PPSU/-EBS / - 26/32	26/32	15



Internal bending spring (Series Code BO - 0302020200)

Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/-IBS / - 12/16	12/16	40
PPSU/-IBS / - 16/20	16/20	40
PPSU/-IBS / - 20/25(26)	20/25(26)	30
PPSU/-IBS / - 26/32	26/32	20

## Cutters for composite pipes for BLUE OCEAN PPSU OCEAN-FIT piping systems



Cutter for composite pipes for BLUE OCEAN PPSU OCEAN-FIT piping systems

Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/CAL-T01 /16 - 32	16 - 32	60



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## BLUE OCEAN PPSU and PC OCEAN-FIT systems accessories and tools

### Crimping tools for BLUE OCEAN PPSU OCEAN-FIT piping systems press-fit series fittings



Complete Manual Crimping tool for BLUE OCEAN PPSU OCEAN-FIT piping systems (Series Code BO - 0302040101)

Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/BO - CCT-PF / 20M	16 - 20	5



Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/BO - CCT-PF / 32M	16 - 32	4



Complete Electrical Crimping tool for BLUE OCEAN PPSU OCEAN-FIT piping systems (Series Code BO - 0302040200)

Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/BO - CCT-PF / 32E-1	16 - 32	2



Product code	Pipe outside diameters D, mm	Quantity per carton, pcs
PPSU/BO - CCT-PF / 32E-2	16 - 32	2

### Additional accessories for BLUE OCEAN PPSU OCEAN-FIT piping systems



P.T.F.E. thread seal hermetic tape

Product code	Width, mm x thickness, mm x length, meters	Quantity per carton, pcs
BO/TSHT/004/12x0.075x10 - white	12x0.075x10	400
BO/TSHT/016/19x0.075x10 - white	19x0.075x10	320
BO/TSHT/023/25x0.075x10 - white	25x0.075x10	240
BO/TSHT/008/12x0.10x10 - white	12x0.10x10	400
BO/TSHT/018/19x0.10x10 - white	19x0.10x10	320
BO/TSHT/026/25x0.10x10 - white	25x0.10x10	240
BO/TSHT/022/19x0.20x15/professional, white	19x0.20x15	118
BO/TSHT/060/12x0.10x10/yellow for gas pipes	12x0.10x10	400



Measuring Tape for BLUE OCEAN PPR piping systems

Product code	Measuring length, meters	Quantity per carton, complete
BO/AA / MT - 01/ 5M	5	60

The product produced according to the international Standards ISO: EN ISO 21003:2008, EN ISO 22391:2011



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