



بوابة التميز

# Uniqueness Gate

For Supply Water Networks

لتوريد قطع شبكات المياه

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# Company Profile



UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. as Trade Company is located in Amman - Jordan, established in 2014, and started to supply all requirements and equipment for water and wastewater networks.

UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. make to trade and sale all requirement's, Equipment's and supplies of water and wastewater networks such as all Kind of Valves & water meter's, HDPE Pipes & Fittings, Corrugated Pipes & Fittings, UPVC Pipes & Fittings, Ductile Iron Pipes & Fittings.

UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. specialized in water collection and channeling systems, providing the best solutions for all the applications with quality as our objective. We perform a wide labor of promotion, advice and support to decision makers, contracting and construction companies, installers and distributors, also our company strives for the highest levels of water network technology and do to be in Jordan Market.

UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. quality policy is to insure the maximum quality work by supporting the customers from first phase up to the finish including installation and continuous supervision of our goods and take feedback from our clients.

UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. has supplied substructure projects in multiple and big centers in JORDAN, Strong support by domestic and foreign investors that prefer our company Goods in their projects makes it the leader institution in its sector in JORDAN.

Many of our goods have been supplied to official bodies responsible for water networks such as MIYAHUNA LLC., WATER AUTHORITY OF JORDAN, and many of other bodies and have been adopted by them .

UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. continues to be a leader institution that gives direction to water networks, which is vitally important by means of the future of communities, with its outstanding service quality.

What distinguishes UNIQUENESS GATE FOR SUPPLY WATER NETWORKS Co. from others ???

Customer's opinion & They feedback

Our after sales service guarantees the quality of our products

## Company Profile

بوابة التميز لتوريد قطع شبكات المياه شركة تجارية تقع في عمان – الاردن ، تأسست عام 2014 ، بدأت في توفير جميع المتطلبات والمعدات لشبكات المياه والصرف الصحي .

بوابة التميز لتوريد قطع شبكات المياه شركة متخصصة في تجارة وبيع جميع الاحتياجات، المعدات واللوازم لشبكات المياه والصرف الصحي مثل جميع انواع المحابس وعدادات المياه ، انابيب البولي ايثيلين وجميع القطع الخاصة بها ، الانابيب الحلزونية وقطعها ، الانابيب البلاستيكية وقطعها ، انابيب الدكتايل وقطعها

بوابة التميز لتوريد قطع شبكات المياه شركة متخصصة في جمع المياه وأنظمة القنوات ، وتوفير أفضل الحلول لجميع التطبيقات مع الجودة كما هو هدفنا ، نحن نؤدى عملاً واسعاً من الترويج والمشورة والدعم لصناع القرار وشركات المقاولات والبناء والعاملين على التركيب والموزعين ، كما تسعى شركتنا للحصول على أعلى مستويات تكنولوجيا شبكات المياه والقيام بها في السوق الأردنية.

سياسة الجودة لدى شركة بوابة التميز لتوريد قطع شبكات المياه هي ضمان اقصى جودة للعمل من خلال دعم العملاء من المرحلة الاولى حتى النهاية بما في ذلك التركيب والاشراف المستمر على بضائعنا والحصول على التغذية العكسية من عملائنا

بوابة التميز لتوريد قطع شبكات المياه قامت بتوريد مشاريع البنية التحتية في مراكز متعددة وكبيرة في الاردن ، الدعم القوي من قبل المستثمرين المحليين والاجانب الذين يفضلون شركتنا في مشاريعهم يجعلها الشركة الرائدة في قطاعها في الاردن

بوابة التميز لتوريد قطع شبكات المياه لا تزال شركة رائدة تعطي توجيهات لشبكات المياه ، هو امر حيوي من خلال مستقبل المجتمعات ، وذلك بجودة الخدمة المتميزة

تم توريد العديد من بضائعنا للهيئات الرسمية المسؤولة عن شبكات المياه مثل شركة مياه الاردن – مياها ، سلطة المياه والرّي ، والعديد من الهيئات الاخرى ، وقد تم اعتماد بضائعنا من قبلهم

ما الذي يميز شركة بوابة التميز لتوريد قطع شبكات المياه عن الاخرين؟؟  
رأي العملاء والتغذية العكسية من قبلهم  
خدمة ما بعد البيع التي تضمن جودة بضائعنا

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# Valves Products



# Valves Product



## SINGLE JET WATER METER

- ▶ **Diameter:** DN 13-DN20
- ▶ **Use:** Domestic
- ▶ **Material:** Brass



## MULTI JET WATER METER

- ▶ **Diameter:** DN 15 - DN 50
- ▶ **Use:** Domestic
- ▶ **Material:** Brass
- ▶ **Calibres:** DN 15 - DN 50
- ▶ **Use:** Irrigation
- ▶ **Material:** Cast iron
- ▶ **Calibres:** DN 15 - DN 40
- ▶ **Use:** Irrigation
- ▶ **Material:** Poliamide



## TANGENTIAL WATER METER

- ▶ **Diameter:** DN 50 - DN 300
- ▶ **Use:** Irrigation
- ▶ **Material:** Cast Iron



## WOLTMANN WATER METER

- **Diameter:** DN 50 - DN 600
- **Use:** Irrigation
- **Material:** Cast iron



## ELECTROMAGNETIC FLOW METER

- **Diameter:** DN 50 - DN 500
- **Use:** Fluid measurement
- **Material:**Stainless steel electrodes and coating NBR



## ULTRASONIC FLOWMETER

- **Use:** Fluid measurement
- **No intrusive sensors**



## GATE VALVE

- ▶ **Diameter:** DN 50 - DN 600
- ▶ **Use:** Irrigation and domestic
- ▶ **Material:** Cast Iron
- ▶ **Seat:** Metal & Resilient Seated



## BUTTERFLY VALVE

- ▶ **Diameter:** DN 50 - DN 600
- ▶ **Use:** Irrigation and domestic
- ▶ **Material:** Cast Iron
- ▶ **Type:** Flanged , Wafer , Lug & double eccentric



## DUAL PLATE CHECK VALVE

- ▶ **Diameter:** DN 50 - DN 600
- ▶ **Use:** Irrigation and domestic
- ▶ **Material:** Cast Iron



## AUTOMATIC CONTROL VALVE

- ▶ **Diameter:** DN 50 - DN 600
- ▶ **Use:** Irrigation and domestic
- ▶ **Material:** Ductile Iron
- ▶ **Types:** Electro valve, pressure reducing, flow limiter, pressure sustaining, pressure reducing and sustaining, quick relief of pressure, float as single and double chamber



## DIAPHRAGM HYDRAULIC VALVE

- ▶ **Diameter:**  
Threaded coupling: DN 20- DN80  
Flanged coupling: DN 50- DN 600
- ▶ **Use:** Irrigation
- ▶ **Material:** Cast Iron (Coupling threaded), Cast Iron ( Flanged coupling).
- ▶ **Types:** Electro valve, pressure reducing, flow limiter, pressure sustaining, pressure reducing and sustaining, quick relief of pressure and float.



## Y STRAINER

- **Diameter:** DN 50 - DN 600
- **Use:** Irrigation and domestic
- **Material:** Cast Iron



## BASKET STRAINER

- **Diameter:** DN 50 - DN 600
- **Use:** Irrigation
- **Material:** Carbon Steel



## DOSING PUMP

- **Use:** Irrigation
- **Material:** Brass and plastic



## PILOTS

- **Use:** Irrigation and domestic
- **Material:** Brass or plastic.



## Automatic AIR RELEASE VALVES

- **Diameter:**
  - Threaded DN 25 Y DN 50
  - Flange DN40 - DN 300
- **Use:** Irrigation and domestic.
- **Material:** Ductil Iron



## PLASTIC AIR RELEASE VALVES

- **Diameter:**
  - DN 15, DN 20, DN 25 Y DN 50
- **Use:** Irrigation
- **Material:** plastic

# Electrofusion and Butt-fusion Fittings

**EF TAPPING  
TEE**



**FLANGE  
ADAPTOR**



**EF&BF ELBOW  
90°**



**EF&BF  
REDUCER**



**EF COUPLER**



**EF &BF EQUAL  
TE**



# Electrofusion and Butt-fusion Fittings



## EF COUPLER

- › SDR 17 PE100
- › GAS / GAZ: 6 BAR
- › WATER / SU: 10 BAR



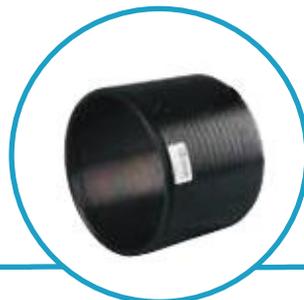
## EF COUPLER

- › SDR11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



## EF COUPLER

- › SDR 6 PE100
- › WATER / SU : 32 BAR



## EF COUPLER

- › SDR 26 PE100
- › WATER / SU : 6 BAR



## EF COUPLER

- › SDR 9 PE100
- › WATER / SU : 20 BAR



## EF COUPLER

- › SDR 7,4 PE100
- › WATER / SU : 25 BAR



### EF COUPLER (LONG)

- › SDR11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



### EF DOST COUPLER

- › SDR 11 PE100
- › GAS / GAZ: 10 BAR
- › WATER / SU: 16 BAR



### EF TAPPING TEE WITH BRASS OUTLET / EF

- › SDR11 PE100
- › WATER / SU : 16 BAR



### EF TAPPING TEE

- › SDR 11 PE100
- › GAS / GAZ: 10 BAR
- › WATER / SU: 16 BAR



### EF VALVE TAPPING TEE (VA TYPE)

- › SDR 11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



### EF VALVE TAPPING TEE (VS TYPE)

- › SDR 11 PE100 GAS
- › GAZ : 10 BAR WATER
- › SU : 16 BAR



**360° ROTATING OUTLET TAPPING TE**

- ›SDR11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



**EF TAPPING TEE WITH GAS-STOP**

- ›SDR11 PE100
- ›GAS / GAZ : 15- BAR



**360° ROTATING OUTLET TAPPING TE**

- ›SDR11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



**EF VALVE TAPPING TEE WITH INNER CAP**

- ›SDR 11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



**EF SADDLE / EF SEMER**

- ›SDR11 PE100
- ›GAS / GAZ : 8 BAR
- ›WATER / SU : 16 BAR



**EF SADDLE / EF SEMER**

- ›SDR17 PE100
- ›GAS / GAZ : 4 BAR
- ›WATER / SU : 10 BAR



### EF SADDLE / EF

- ›SEMER SDR11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



### EF SADDLE - STOP SYSTEM

- ›SDR11 PE100
- ›GAS / GAZ : 4 BAR
- ›WATER / SU : 10 BAR



### EF BALLOON SADDLE

- ›SDR11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



### EF FLEX SADDLE

- ›SDR11 PE100
- ›GAS / GAZ : 6 BAR
- ›WATER / SU : 16 BAR



### BIG SIZE SADDLE



### EF REPAIR SADDLE

- ›SDR11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



**BIG SIZE EF REPAIR SADDLE**

- › SDR11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



**EF EQUAL TE**

- › SDR11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



**EF REDUCED TE**

- › SDR11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



**EF REDUCER**

- › SDR11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



**EF REDUCER (SHORT)  
FOR DUAL  
CONTAINMENT PIPES**



**EF ELBOW 90°**

- › SDR 11 PE100
- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



### EF ELBOW 45°

- ›SDR 11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



### EF END CAP

- ›SDR 11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



### EF END CAP / EF

- ›KEP SDR 17 PE100
- ›GAS / GAZ : 4 BAR
- ›WATER / SU : 10 BAR



### EF END CAP / EF

- ›KEP SDR 11 PE100
- ›GAS / GAZ : 10 BAR
- ›WATER / SU : 16 BAR



### EF COUPLER FOR PRE-INSULATED PE PIPING SYSTEM



### EF FLEXIBLE PATCH FOR SLEEVE COUPLERS



### PP EF COUPLER

›SDR26



### PP EF SADDLE

›SDR26  
›WATER / SU : 6 BAR



### TWIN INNER COUPLER PE100



### U COUPLER

›SDR11 PE100  
›WATER / SU : 16 BAR



### EF DUAL CONTAINMENT FLEX ELBOW

›SDR22,6 PE100



### DUAL CONTAINMENT COUPLER

›TYPE: EF



**EF TANK  
PENETRATION  
SADDLE**

› TYPE / TIP : EF



**TANK OUTLET FOR PE  
AND PE-X TANKS**

› TYPE / TIP: EF



**PE-BRASS TRANSITION  
COUPLER (FEMALE)**

› WATER / SU : 16 BAR



**PE-BRASS TRANSITION  
COUPLER (MALE)**

› TYPE / TIP: EF



**PE-BRASS TRANSITION  
ELBOW (90°) (MALE)**

› TYPE : EF



**PE-BRASS TRANSITION  
ELBOW (90°) (FEMALE)**

› TYPE : EF



**PE-BRASS TRANSITION  
ELBOW (45°) (MALE)**

► TYPE : EF



**PE-BRASS TRANSITION  
ELBOW (45°) (FEMALE)**

► TYPE : EF



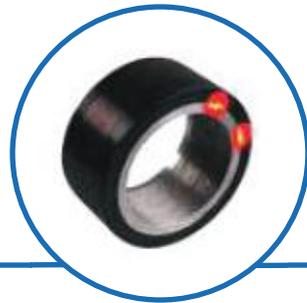
**EF FLEX RESTRAINT  
PE100**



**EF FLANGE ADAPTOR  
PE100**



**EF INNER FLANGE  
ADAPTOR PE100**



**EF INNER COUPLER  
WITH FEMALE THREAD  
PE100**



**HIGH PRESSURE  
(SANDWICH) EF  
COUPLER PE100**



**BRASS OUTLET EF  
SADDLE SDR11**

- › GAS / GAZ : 10 BAR
- › WATER / SU : 16 BAR



**WHEEL EF SADDLE**



**EQUAL TEE**

- › SDR17 PE100
- › GAS / GAZ: 10 BAR
- › WATER / SU : 16 BAR
- › TYPE : SPIGOT



**EQUAL TEE  
SEGMENTED**

- › SDR17 PE 100
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**EQUAL TEE (SHORT )**

- › SDR17 PE 100
- › GAS/GAZ : 4 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### **EQUAL TEE**

- › TE SDR11 PE 100
- › GAS/GAZ: 10 BAR
- › WATER/SU: 16 BAR
- › TYPE: SPIGOT



### **EQUAL TEE SEGMENTED**

- › SDR11 PE 100
- › WATER/SU: 16 BAR
- › TYPE: SPIGOT



### **EQUAL TEE (SHORT)**

- › SDR11 PE 100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### **EQUAL TEE**

- › SDR17 PE100
- › GAS / GAZ: 10 BAR
- › WATER / SU : 16 BAR
- › TYPE : SPIGOT



### **REDUCED TEE**

- › SDR17 PE100
- › GAS/GAZ: 6 BAR
- › WATER/SU: 10 BAR
- › TYPE: SPIGOT



### **REDUCED TEE (SHORT)**

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### REDUCED TEE (SHORT)

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### REDUCED TEE

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### EQUAL TEE (SHORT)

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### CROSS TEE

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### REDUCING CROSS TEE

- › SDR11 PE100 GAS/GAZ
- › WATER/SU : 10 BAR
- › TYPE : 16 BAR
- › SPIGOT



### REDUCING CROSS TEE

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### REDUCER

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### REDUCER (SHORT)

- › SDR11 PE100
- › GAS/GAZ : 10BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### REDUCER

- › SDR11 PE100
- › GAS/GAZ : 10BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### CROSS TEE

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### ELBOW (90°)

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### ELBOW (90°) SEGMENTED

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**ELBOW (90°)**

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



**ELBOW (90°)  
SEGMENTED**

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



**ELBOW (90°)  
SEGMENTED (SHORT)**

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**ELBOW (45°)**

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**ELBOW (45°)  
SEGMENTED (SHORT)**

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**ELBOW (45°)  
SEGMENTED**

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### ELBOW (45°)

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### ELBOW (45°) SEGMENTED

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### ELBOW (45°) SEGMENTED

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### END CAP

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



### END CAP

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



### FLANGE ADAPTOR

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**FLANGE ADAPTOR  
(SHORT)**

- › SDR17 PE100
- › GAS/GAZ : 6 BAR
- › WATER/SU : 10 BAR
- › TYPE : SPIGOT



**FLANGE ADAPTOR**

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



**FLANGE ADAPTOR  
(SHORT)**

- › SDR11 PE100
- › GAS/GAZ : 10 BAR
- › WATER/SU : 16 BAR
- › TYPE : SPIGOT



**FLANGE PN16**



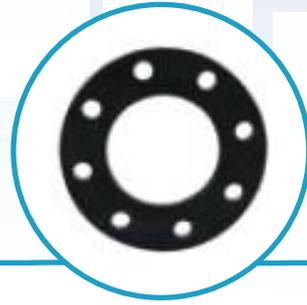
**FLANGE PN10**



**FLANGE PN6**



**FLANGE ADAPTOR +  
INDUSTRIAL  
COMPOSITE FLANGE**  
› PN10/ 16



**PP COATED FLANGE**  
› PN10/ 16



**PE-BRASS TRANSITION  
FITTING MALE  
(THREADED)**  
› WATER/SU : 16 BAR  
› TYPE : SPIGOT



**PE-STEEL TRANSITION  
FITTING (WELDED)**  
› GAS/GAZ : 10 BAR  
› WATER/SU : 16 BAR  
› TYPE : SPIGOT



**PE THREADED  
TRANSITION FITTING  
(MALE)**  
› WATER/SU : 16 BAR  
› TYPE : SPIGOT



**PE-BRASS TRANSITION  
FITTING FEMALE  
(THREADED)**  
› WATER/SU : 16 BAR  
› TYPE : SPIGOT

# **Compression Fittings**

**BLUE SERIES**



**CLAMP SADDLES**



**VALVE BOXES**



# Compression Products

This specification covers the quality control, production and production sufficiency, technical specifications of PP Fittings which is used in the field of drinking water system, landscaping industry, golf courses, agriculture and related irrigation system

## Technical Specifications

**Mechanical Joint ( Compression fittings ) of Polyethylene Pipe Fittings**  
According to ISO 4427, TS ISO 17885, TS ISO 14236 norm

- › Polyethylene Pipe Fittings prevent the differences in dimensions of up to  $\pm 0.5$  mm in the pipe or problems that may occur from ovality thanks to taper clamping specification
- › Polyethylene Pipe Fittings are suitable for use with polyethylene pipes, ball valves and galvanized fittings
- › As Polyethylene Pipe Fittings are resistant to UV rays, doesn't allow algae and bacterial growth
- › In the production of Polyethylene Pipe Fittings isn't used shavings, junks etc. The original raw materials are only used in production
- › All semi-manufactured products of Polyethylene Pipe Fittings are in the shape of the o- ring installed in the body, the nut on the body with O-ring (and pipe holder (threaded ring
- › O-ring of the Polyethylene Pipe Fittings is made of natural rubber, so O-ring (provides leakage with O-ring and pipe holder (threaded ring

## BLUE SERIES

### Specifications

- › It has been produced from high quality polypropylene raw material and it has resistance to impact
- › Due to conical tightening, they remove faults in pipes that may be caused by dimensional differences and ovality up to  $\pm 0.5$  mm

- › They prevent alga and bacteria forming due to UV proof (ultraviolet beam) structure
- › O-rings are made of rubber and provide high leakproofness
- › It has a homogeneous and non-porous inner surface
- › It does not contain any foreign substance which can change the taste or the smell of the water
- › Female threaded products provide high impermeability in the long term changeable temperature value thanks to corrosion resistant reinforcement ring

## INSTALLATION AREAS

- › Urban Potable Water Networks
- › Landscaping Systems
- › Agricultural Irrigation
- › Greenhouses

## CLAMP SADDLES

### Specifications

- › It has been produced from high quality polypropylene raw material and it has resistance to impact
- › It has been designed to prevent the leakage that can be caused by the dimensional differences up to  $\pm 0.5$  mm in the pipes
- › O-rings are made of natural rubber and provides high leakproofness
- › It does not contain any foreign substance which can change the taste or the smell of the water

## INSTALLATION AREAS (Clamp Saddles With Bolt)

- › Urban Potable Water Networks
- › Landscaping Systems

- › Agricultural Irrigation
- › Greenhouses

## GUARANTEED PRESSURE VALUES

### Clamp Saddles With Bolt

- › Ø25mm – Ø 110 mm ½" , ¾" , 1" threaded clamp saddles: PN 16
- › Ø63mm – Ø 110 mm 1 ¼" , 1 ½" , 2" threaded clamp saddles: PN 10
- › Ø125mm - Ø 225 mm clamp saddles: PN 10
- › Clamp Saddles With Slide : Ø 25 mm - Ø 110 mm: PN 6
- › Clamp Saddles With Bolt and Reinforcing Ring: Ø 63 mm - Ø 225 mm: PN 10

## BLUE SERIES BALL VALVES

### Specifications

- › It has been produced from high quality polypropylene raw material and it has resistance to impact
- › It is possible to provide bidirectional flow in the valve
- › They do not cause any pressure or flow loss during fluid transition
- › They supply simple installation in your system
- › They have standard sizes and high resistance
- › Their o-rings are made of natural rubber providing high leakproofness
- › It does not contain any foreign substance which can change the taste or the smell of the water

## INSTALLATION AREAS

- › Landscaping Systems
- › Agricultural Irrigation

## VALVE BOXES

### Specifications

- ▶ It has been produced from high quality polypropylene raw material and it has resistance to impact
- ▶ It enables easy access to the system equipment which is laid underground
- ▶ Specially designed plastic lock system is available in the lid
- ▶ There are specially cut holes according to pipe diameters for the passages of pipe
- ▶ mm allen key must be used to unlock the locking system 8

# High Density Polyethylene Pipe



# HDPE Pipes Product

This specification covers the quality control, production and production sufficiency, technical specifications of PE Pipes which is used in the field of drinking water system

## Technical Specifications

Our PE pipes are suitable for drinking water. Due to the high quality of our PE pipes. It has no effect on water taste, odor, appearance of water and growth of aquatic micro-organisms

Non toxic PE pipes will not affect the taste, color or smell of drinking water

PE Material has a 50 year life time at 20 °C, but for example PE 100 has actual strength greater than the design strength and hence the expected resulting service lifetimes are greatly in excess of the nominal 50-year requirement when the pipe is operating within its design envelope

Our PE pipes are generally resistant to the chemicals commonly used for water treatment and disinfection

Our PE pipes have excellent resistance to naturally occurring chemicals found in the soil. For industrial purposes our PE 100 pipes have excellent resistance .to different media

Material : PE 100

Minimum required strength : MRS = 10.0 Mpa

Design stress :  $\sigma_s = 8.0$  Mpa  $\sigma_s = 6.4$  Mpa

Design safety factor : C = 1.25 for water

Color : Black

Length sizes from 16mm to 32mm are available in coils of 100, 200 and 300 up to 1500 meters. Sizes from 40mm to 125mm are available in coils of 100 meters. larger diameters are available in straight lengths of 12 meters. Different lengths can be supplied on request

# Corrugated Pipe & Fittings



# Corrugated Pipe & Fittings Products

## Double Wall Corrugated Pipes

Corrugated HDPE pipes are starting to use on infrastructural systems for removing and carrying waste water and liquides. Corrugated pipes have superior resistance against wasre waters, chemical materials, corrosion and bad environmental conditions

Corrugated pipes are also resistant to heavy traffic and soil loads because of their special designs. Corrugated pipes dont affected from seismic movements because of their flexible structures. They provide great fluidity speed and cant hang on any dreg and conglomeration due to their inner surfaces smooth structure and low adhesion coefficient, They are completely hygienic and dont include toxic materials.

Other pipe types lrft rapidly because of their low resistance and high cost. HDPE corrugated pipes are have service life at least 50 years. Corrugated pipes and pieces produced from high density polyethylene as two wall according to TS EN 134763+A1 standards.

## Main Usage areas are

- › Sewer systems for municipal waste liquids
- › Rain water carrying systems
- › Drainage systems
- › Water transporting systems with gravity
- › Industrial waste-water and liquids installations systems
- › Cable Protection for energy and comminications systems.

## Advantages of Duzgunler

- › Corrugated pipes
- › Economic and low cost
- › Friendly for environment
- › Light weight and flexible
- › Easy installation and low maintenance
- › High fluidty and low friction coefficient
- › Durable and long life

# Welding Machine

## Butt Fusion Machine



## Electrofusion Machine

# Electrofusion Welding Machine

Technical Features	
8 - 48 V	Output voltage
230 V	Nominal Voltage
50 / 60 Hz	Frequency
2800 VA [80% duty cy]	Power
120 A	Max.output current
-20+ 60°C	Ambient Temperature
1800 kayit [records]	Memory
IP54	Protection Class
545x435x230	Dimensions
22 Kg	Weight
4 mt	Length of welding cable
Barcode / Manuel	Operation mode

# Butt Fusion Welding Machine

## Technical Specifications

Our production of machinery and fittings are granted with CE, ISO 9001, ISO 14001:2004, OHSAS 18001:2007, TS EN 12201 -3 +A1, Russia GOST and Ukraine UKR certificates.

As of 2016, 14 years of experience with plastic welding machine production has been renovated almost completely and plastic welding machines of 16 different types with diameters 20 mm up to 2000 mm can be produced.

In addition to growth in diameter, we have added the CNC automatic butt-welding machine to our production range 100% complying with the plastic welding standards

### › W250 BUTT WELDING MACHINE GENERAL FEATURES

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar  
Welding sizes are 75 - 90 - 110 - 125 - 140 - 160 - 180 - 200 - 225 - 250mm  
With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1  
With its lightweight nature provides easy handling  
Maximum working pressure is 150 Bar  
The working environmental temperature is -40 C° ~ +40 C°

### › W315 BUTT WELDING MACHINE GENERAL FEATURES

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar  
Welding sizes are 90 - 110 - 125 - 140 - 160 - 180 - 200 - 225 - 250 - 280 - 315mm  
With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1  
With its lightweight nature provides easy handling  
Maximum working pressure is 150 Bar  
The working environmental temperature is -40 C° ~ +40 C°

### › **W400 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar  
Welding sizes are 160 - 180 - 200 - 225 - 250 - 280 - 315 - 355 - 400 mm  
With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1  
With it's lightweight nature provides easy handling  
Maximum working pressure is 150 Bar  
The working environmental temperature is -40 C° ~+40 C°

### › **W500 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar  
Welding sizes are 180 - 200 - 225 - 250 - 280 - 315 - 355 - 400 - 450 - 500 mm  
With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1  
With it's lightweight nature provides easy handling  
Maximum working pressure is 150 Bar  
The working environmental temperature is -40 C° ~+40 C°

### › **W630 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar  
Welding sizes are 315 - 355 - 400 - 450 - 500 - 560 - 630 mm  
With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1  
With it's lightweight nature provides easy handling  
Maximum working pressure is 150 Bar  
The working environmental temperature is -40 C° ~+40 C°

### › **W800 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar  
Welding sizes are 500 - 560 - 630 - 710 - 800mm  
With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1  
With it's lightweight nature provides easy handling

Maximum working pressure is 150 Bar

The working environmental temperature is  $-40\text{ C}^{\circ} \sim +40\text{ C}^{\circ}$

### › **W1000 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar

Welding sizes are 630 - 710 - 800 - 900 - 1000 mm

With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1

With it's lightweight nature provides easy handling

Maximum working pressure is 200 Bar

The working environmental temperature is  $-40\text{ C}^{\circ} \sim +40\text{ C}^{\circ}$

### › **W1200 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar

Welding sizes are 710 - 800 - 900 - 1000 - 1200 mm

With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1

With it's lightweight nature provides easy handling

Maximum working pressure is 200 Bar

The working environmental temperature is  $-40\text{ C}^{\circ} \sim +40\text{ C}^{\circ}$

### › **W1600 BUTT WELDING MACHINE GENERAL FEATURES**

Machine is for weldings of PE - PP - PVDF pipes and fittings up to 32 Bar

Welding sizes are 1000 - 1200 - 1400 - 1600 mm

With the shortest setup time it provides simple and fast welding operations according to international standards ISO 12176 - 1

With it's lightweight nature provides easy handling

Maximum working pressure is 200 Bar

The working environmental temperature is  $-40\text{ C}^{\circ} \sim +40\text{ C}^{\circ}$

# Ductile Iron pipe & fittings



# Ductile Iron Product

Grey Iron is being produced since hundreds of years.

In 1948, a major event occurred when small amount of magnesium were added to molten cast iron.

It was found that the Flaky Graphite were changed to spheroidal shape, accordingly all properties of the metal were changed, the new metal mechanical is called Ductile Iron.

## Advantages Of Ductile Iron Pipes

- › High tensile strength, good elastic module and excellent ductility, making it suitable for high stress applications and where pressure surge may be experienced.
- › Ductile iron pipes have a high corrosion resistance.
- › Excellent hydraulic flow.
- › High working pressure comparing to other types of pipes.
- › Ease of installation.
- › Long lifetime.
- › Can accommodate ground movement.

## Main applications of ductile iron pipes

- › Drinking and irrigation water networks.  
sewerage networks
- › Fire fighting systems.
- › Transmission of gas & fuel.

## Standard Specifications

### Specifications

- › **ISO 2531** Ductile Iron Pipes, Fittings and Accessories for Pressure Pipelines.
- › **ISO 7186** Ductile Iron Products for Sewage applications.
- › **BSEN 545** Ductile Iron Pipes, Fittings and Accessories and their joints for water pipelines. Requirements and test methods.

- › **BSEN 598** Ductile Iron Pipes, Fittings and Accessories and their joints for sewerage applications. Requirements and test methods.
- › **ISO 4179** Ductile Iron Pipes for pressure and Non pressure Pipelines- Centrifugal Cement Mortar Lining General Requirements.
- › **BS 4027** Specification for sulfate-resisting Portland cement. Requirements for composition, strength, physical and chemical properties of three strength classes.
- › **BS 8179** Ductile Iron Pipes - External Zinc Coating.
- › **BS 3416** Specification for Bitumen based coatings for cold application, suitable for use in contact with potable water.
- › **ISO 4633** Rubber Seals-Join Rings for water supply , Drainage and Sewerage Pipelines-Specs for materials.
- › **BS 2494** Specification for elastomeric seals for joints in pipe work and pipelines.
- › **BS 2494** Specification for elastomeric seals for joints in pipe work and pipelines.
- › **ISO 8180** Ductile Iron Pipes-Polyethylene Sleeving.
- › **ISO 7005- 2** Metallic flanges- part 2 cast iron flanges.
- › **ISO 4014** Hexagon head bolts - produced grades A and B.
- › **ISO 4032** Hexagon nuts, style 1 - produced grades A and B

# UPVC Pipe and fittings



# UPVC Pipe Products

## Manufacturing Standards

1. Saudi Arabian Standards (SASO)
2. German Standard (DIN)
3. American Society for Testing & Material (ASTM)
4. British Standard (BS)
5. National Electrical Manufacturing Association (NEMA)
6. European Standard (EN)

## Range of Production

Pipes from MMP are manufactured according to SASO and or DIN Standards from 5mm, up to 800mm outside diameter in various pressure classes. SASO uPVC pipes are available with solvent weld Socket joints for diameters less than 63mm.

Sizes of outside diameter 63mm and larger are available with both mechanical rubber ring joints or solvent weld Socket joints.

Pipes manufactured in accordance with ASTM are ranging from 12/ inch up to 8 inches in various pressure (SCH 40, SCH 80) with white and gray colour. ASTM Pipes are available with plain spigot and Socket joints only.

MMP pipes are produced in 6 meters standard length (other lengths are available on request), standard colours are grey, white and black (other colours are available on request).

## Technical Data of MMP Pipe General Properties

Material:

Unplasticised Polyvinylchloride.

Standard Length:

Available in the length of 6 Meters or at any other lengths as per customer's request. Pipes are with or without socket. Socket are either solvent cement welding type or rubber ring joining type.

Color: Black, gray, white, blue, orange or any other colours on request.

Specific Gravity:  $1.42 \pm 0.02$

Flammability: Will not support combustion.

## Types of Joint

MMP Pipes are manufactured in standard length of 6 meters and incorporate various joint systems.

### Plain End

Plain ended pipes are to be used with double coupling either solvent cement joint (SCJ) or rubber joint (RS) or fittings available in both types of joint.

### Solvent Cement Joint

Solvent cement joint pipes are manufactured with integrals°Cket.

### Rubber Ring Types of Joint

(Anger Joint)/3S Anger Joint is formed on wall thickened portion.

# UPVC Fittings Products

## U-PVC PIPE SYSTEMS

U-PVC (unplasticised polyvinyl chloride) is one of the most popular thermoplastic materials used for pipe work installations. Light in weight, U-PVC has excellent resistance to chemicals and abrasion, is tasteless and odour less making it ideal for use with potable water systems as its extremely smooth bore gives excellent flow characteristic without sediment or deposit. Connections can be made by either solvent cement or BSP threaded fittings.

## MATERIALS

Fittings: U-PVC (unplastified polyvinyl chloride)

Gaskets: EPDM (ethylene - polypropylene rubber) FPM( fluorocarbonic - rubber)

Other materials are available on request.

## RANGE

A very wide range of fittings is available:

for solvent jointing is metric or B.S. (imperial) sizes;

BSP threaded

adaptor fittings to connect a solvent weld U-PVC piping system to pipes, fittings, valves, accessories with BSP threads.

## STANDARDS

All Comer fittings for solvent jointing are manufactured according to: ISO 727 ,DIN 8063, KIWA BRL-K 17301, EN ISO 1452. Threaded fittings according to ISO 71/, DIN 2999, BS 21, UNI ISO 2281/.

## PRESSURE-TEMPERATURE RELATIONSHIP

The maximum working pressure is 16 kg/cm<sup>2</sup> (227,6 PSI) from -20°C to +25°C. Above +25°C the working pressure decrease by a linear way down to 4kg/cm<sup>2</sup> (56,9 PSI) to +60°C.

## THERMAL EXPANSION

The thermal coefficient of linear expansion for PVC is  $7 \times 10^{-5} / ^\circ\text{C}$ . It is necessary in certain situations to make special provision for this expansion and contraction.

## METRIC SERIES

Fittings U-PVC of metric series can be glued to each other and on pipes in the same material provided the sizes and tolerances are in accordance with the standardizations and tolerances given on page 6. A strong, dense-type glue is recommended, especially for coupling large diameters, where the clearance may be high due to the ovalization effect; such clearance anyhow, in order to guarantee a perfect seal, should never exceed 0,6 mm with a dense-type glue and 0,3 mm with a fluid-type glue. In order to obtain a perfect gluing, it is recommended that the glue manufacturer's instructions be strictly followed. These instructions can be summarized as follows:

- › Remove all traces of grease, oil or simply dust from both the pipe (properly cut at  $90^\circ$  and bevelled at the tip) and the fitting by means of a clean cloth soaked in diluent;
- › Apply by a suitable brush, a uniform layer of glue, both to the fitting and to the pipe, so as to cover the entire surface to be glued
- › Immediately (in 1 to 2 minutes) insert the part to be glued in the female keying of the fitting
- › It is recommended that all glue in excess, which is not held by the coupling, be quickly removed.
- › It is also recommended that freshly glued parts should not be submitted to mechanical stresses. The glue manufacturer's instructions concerning how long to wait before handling, and concerning sticking and pressure testing the system should be carefully followed.

## THREADED SERIES

Fittings in U-PVC of the threaded series or of the adaptor series can be screwed to each other or to pipes and other threaded parts in other materials in accordance with the rules given on Page 8.

In order to obtain easy screwing and perfect seal, the use of high quality PTFE tape is recommended in a quantity sufficient to avoid clearance without causing too tight shutting. The use of hemp, tow and lint, usually employed for metal fittings, is to be absolutely avoided. Such materials, contrary to what happens with PTFE, are not rejected by coupling even when used in excess, making the female fitting expand in such a way as to cause breakages both during the assembly stage and later, during operation.

## **SOLVENT CEMENT**

The correct solvent cement, which creates a bond between pipe and fittings, must be used for solvent welding. An indication of the number of joints likely to be made for litre of solvent cement

# Galvanized Fittings



# Galvanized Fittings Specification

**USE :** Galvanized cast iron are used in threaded pipe joints, particularly in water supply, gas, steam, central heating, sprinkler system networks, etc., transporting non-corrosive liquids and gases.

## RANGE OF DIMENSIONS

From 1 / 4 to 4

## MANUFACTURING

According to EN 10242 and ISO 49, construction symbol «A».

## MATERIAL

Fittings: Whiteheart malleable EN-GJMW-400 -5 cast iron, according to EN1562, equivalent to W40 -05, according to ISO 5922.

**THREADS :** Acc to ISO 7 / 1 -R tapered external threads, internal cylindrical Rp threads and acc. to ISO 2281/ -G connecting threads.

## SURFACE / ZINC PLATING

Galvanized fittings can be supplied in accordance to order: with black or galvanized surfaces. According to EN 10242, zinc coating weight relative to the surface exceeds 500 g/m<sup>2</sup>, which corresponds to an average layer thickness of 70 . Both black and galvanized surfaces are protected against corrosion. Corrosion protection substance does not contain polycyclic aromatic hydrocarbons.

## OPERATION PRESSURE

2.5 MPa/25 bar / at the temp. from -20°C to 120°C

2.0 MPa/20 bar / at the temp. of 300°C

**LEAK TEST :** According to EN 10242, each galvanized fitting is subjected to a leak test at air pressure of at least 0.5 MPa / 5 / bar/, which is equivalent to a minimum hydrostatic pressure of 2.0 MPa / 20 bar / .

**DESIGN :** Technical aspects, appearance, and other characteristics of fittings can be modified to match the technical advances and changes in accordance with the applicable standards.

# Bituminous Waterproofing Membranes



# Bituminous Waterproofing Membranes Specification

## PLASTO - SPP

**RANGE :** SPP1603, SPP1804, SPP2005, SPP1603G, SPP1804G, SPP2005G (\*G "stands for granular surface )

### INTRODUCTION

PLASTO-SPP is the new generation polymer modified bituminous waterproofing membrane, consisting of a central non woven polyester core, impregnated and coated on both sides with layers of APP (Atactic Polypropylene Polymer) modified bitumen and finished with heat fusible polyethylene film on both surfaces.

Properties	SPP1603/ SPP1603G	SPP1804/ SPP1804G	SPP2005/ SPP2005G	Test Method
Size(WxLxT)(mxmxmm)	1x10x3	1x10x4		UEAtc M.O.A.T.30
Weight,(kg/m <sup>2</sup> )	3	4	5	UEAtc M.O.A.T.30
Weight,(kg/m <sup>2</sup> ) for granular surfaced	3.5	4.5	5.5	UEAtc M.O.A.T.30
Bitumen Softening Point (°c)	>150			ASTMD36
Bitumen Penetration 25°c (0- 1mm)	15 - 30			ASTMD5
Type Of Reinforcement & its weight	Non woven polyester 160g/m <sup>2</sup>	Non woven polyester 180g/m <sup>2</sup>	Non woven polyester 200g/m <sup>2</sup>	UEAtc M.O.A.T.30
Cold Bending (°c)	0 to -2			DIN 52123
Tensile Strength(MD/CD)*(N/5cm)	600 / 450	700 / 550	850 / 600	UEAtc M.O.A.T.30
Ultimate Elongation (MD/CD)(%)	40 / 50	40 / 50	40 / 50	UEAtc M.O.A.T.30
Tear Resistance (MD/CD)(N)	150 / 180	180 / 200	200 / 220	UEAtc M.O.A.T.30
Heat Resistance at 100°C	No slipping, Flowing or dropping			DIN 52123
Resistance to Water pressure	No Leakage			DIN 52123
Water Absorption %	<0.15			ASTM D5147

## DESCRIPTION

PLASTO - SPP is the Ultimate Waterproofing Membrane. The multilayered design consist of non woven polyester core, impregnated and coated on both sides with APP (Atactic Polypropylene Polymer) modified bitumen and finally finished with heat fusible polyethylene film on both surfaces. SABIT PLASTO - SPP modified bituminous waterproofing membrane are produced from a blend of special grade thermoplastic polymers and bitumen. This combination gives the proven waterproofing qualities of bitumen plasticity, excellent resistance to heat, ageing & weathering, and ease of applica-tion by torch welding. The polyester core gives the membrane high tensile strength, elongation and superior lap joint strength.

PLASTO - SPP is available in two basic finshes:

- › Finish with polyethylene surfaces for covered application (SPP1603, SPP1804, SPP2005)
- › Granular surfacing for exposed application (SPP1603G SPP1804G SPP2005G)

## FEATURES:

- › Total Impermeability for complete waterproofing.
- › Good bond ability and seam integrity
- › Stability at high ambient temperature
- › Good performance at broad temperature range
- › Good flexibility
- › Compatible with all roofing and building component

## Our Partners





بوابة التميز

# Uniqueness Gate

For Supply Water Networks

لتوريد قطع شبكات المياه