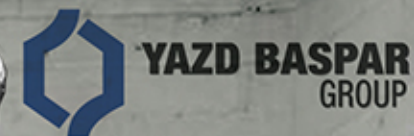




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YAZD BASPAR, **YAZDPEX**,
2015 BROCHURE



YAZDDBASPAR

yazdpex system

A LIFE TIME CHOICE ...

YAZDBASPAR GROUP

yazdpex system

YAZD BASPAR provides a complete system of pipes and fittings for hygienic, drinking water, cooling and floor heating systems. This system consists of 5 layer pipes and special plastic press fittings. These new press fittings are made of Polyphenyl Sulfone (PPSU) and are supplied for the first time in Iran. Polyphenyl Sulfone guarantees the resistance of total system including the fittings against corrosion.

Advantages

- **Safe, easy, and quick installation due to press system**

Using simple and safe press-fittings

- **No friction of the entire system**

It makes it possible for fluids to flow at high speed

- **Sedimentation resistance**

No sedimentation thanks to smooth and glassy surface

- **Resistant to oxygen penetration**

Thanks to existence of aluminum layer

- **Perfect performance of pressure and temperature**

-Maximum temperature of Continual performance up to 90° C

-Maximum temperature of failure = 110° C

-Maximum pressure of continual performance temperature, 10 bar pressure

- **Resistance against organic chemical compounds**
YAZD PEX system is highly resistant against most chemicals

- **Sustainability and flexibility with high mechanical resistance**

You can easily form them by hand

- **Odorless, and tasteless**

YAZD PEX system is safe in every respect

- **Energy efficiency**

Waste of heat is very low due to condensation and heat dissipation of transferred fluids.

- **Economical**

-Use of least number of fittings due to flexibility of pipes

-Saving at least %30 in energy costs

-Least amount of waste in installation due to pipes flexibility

- **Universal press tools**

By using YAZD PEX special press tools, you can ensure having a safe and waterproof connection

- **Minimal linear expansion**

In comparison to other products, this system has minimum linear expansion

- **Light weight**

Easy installation due to system light weight

- **Complies with all European regulation with respect to drinking water contact**

Having special plastic materials used in manufacturing of pipes in YAZD PEX system, drinking water transfer is completely in accordance with the European Union regulations.



Production Scope

YAZD PEX provides complete pipes and fittings in the following sizes: 16 ,20 ,25 ,32 ,40, and 50 mm for heating and cooling systems.



Applications

YAZD PEX pipes and fittings applications include sanitary, hot and under floor heating systems in new buildings or reconstruction of residential and industrial buildings. In general, the system covers all hot and cold water applications.

Polyphenyl Sulfone (PPSU), a material with desired capability for future

Polyphenyl Sulfone (PPSU) is a type of engineering plastic material with high efficiency and resistance under high temperature and corrosion. High resistance of this material against sever impacts and burst against tension distinguish PPSU fittings among other fittings.

Polyphenyl Sulfone (PPSU) is an odorless and tasteless compound and it is highly resistance to chemicals and prevents sedimentation in the system. Because of its efficiency, the application of PPSU is on the rise in the aerospace and medical technology.

YAZD PEX Fittings

Special YAZD PEX press-fittings are a complete combination of plastic and metal which makes the fittings highly resistance against corrosion, impact, and peel off and enhances the connection safety coefficient.

The placement of the pipe for a correct connection is visible by the control groove.

The water-proofing is guaranteed by a special o-ring and there is no contact between water and metal.

5 Layer pipes

One of the outstanding features of YAZD PEX system is the perfect combination of plastic and metal. The pipes consist of inner and outer polymer layers that are highly resistance to temperature and pressure. The middle layer is made of aluminum which is laser welded, the newest welding system in the world. The three layers are bonded by special adhesive and the unique system of YAZD PEX is formed.

The features that YAZD PEX system includes: sustainability of pipe dimensions, non- penetration of oxygen (due to aluminum layer), flexibility, resistance against corrosion, and minimal linear expansion coefficient.

YAZD PEX pipes are mechanically highly resistant. They are very light and easy to install. They require minimum number of fittings due to their flexibility.

YAZD PEX Distribution Manifolds

The YAZDPEX distribution manifolds are durable, flexible and easy to use.

The distribution manifolds are made of Polyphenyl Sulfone (PPSU) polymer so they are suitable for drinking water and heating systems which completes the product scope of the system.



Features & Advantages

- **Unique plastic distribution manifold**
Suitable for use in YAZD PEX System
Suitable for drinking water and heating systems

- **Manufactured from Polyphenyl Sulfone (PPSU)**
Excellent performance at high temperature
Highly impact resistance

- **Connection of several distribution manifolds to each other**
Using special female thread fittings to increase the number of outlets

- **Two inlets or three inlets**
For all required combinations

- **Special cap for closing off the end point**

- **Diversity of distribution manifolds**
For 16 and 20 mm pipes

Corrosion Resistance

There is no contact between water and metal due to the fact that entire distribution manifold is made of plastic. Connection to YAZD PEX -5layer pipes ensures that you have a system highly resistant against corrosion.

Various Applications, Easy Installation

One of the outstanding features of the YAZD PEX distribution manifold is its light weight and easy installation. Special end cap is intended for closing off the end point of the distribution manifold. Because of using special fittings in the system, the number of outlets can be increased and any kind of modification can be made to the system. These distribution manifolds can be secured by special clips.

Method of Connection

By using press tools, you can carry out a secured installation of YAZD PEX system. For further information regarding installation tools, please contact the Technical Department at YAZD BASPAR Company.

The following pictures illustrate how the connection should be made:

- 1- Cut the desired length of the pipe vertical to the pipe axis.
- 2- Calibrate the pipe with proper instrument
- 3- Insert the end of the pipe entirely inside the fitting
- 4- Press the pipe by special tool

Please contact us for full installation instruction and other technical information.

