



## Technical specifications of ARIA KAVAN

### Quantity of equipments and production line capacity

**(GRP PIPES , FITTINGS AND TANKS PRODUCTS CAPACITY 30.000 MTONS PER YEAR)**

1- 3 production lines of continuous GRP/GRVE pipes from 300 to 4000 millimeter diameters

2- Certified under license of VEM of Italy

3- 3 production lines of discontinuous GRP pipes from 50 to 1000 millimeter diameters

4- 2 production lines of **discontinuous** GRP pipes from 400 to 4000 millimeters of diameter

5- Equipped with the workshop for production of all GRP fittings

6- Equipped with production lines of portable fiberglass tanks up to 4 meters diameter and 12 meters length with 150 cubic meters of volume and fixed tanks from 4 meters to 25 meters in diameter and 2000 cubic meters of volume which are produced at the site and are increasable up to 10000 cubic meters volume.





## PRODUCTIONS

- 1- Fiberglass pipes designed specifically for drinking water, raw water, petroleum, chemicals up to 32 bar pressure and 10000(pa) of stiffness in continuous and discontinuous types with coupling joints and bell-and-spigot joints and flange joints.
- 2- Fiberglass tanks produced 2 types: in the warehouse, and at the site for all types of fluids.
- 3- Urban utility tunnels made of GRP in 2 to 6 Diameters according to the orders for The first time in the world (Invention)
- 4- GRP well casing pipes & GRP well PUMPING pipes for the first time in the whole Iran.
- 5- All types of GRP fittings and joints according to the ordered diameter and size.
- 6- GRE and GRVE pipes with Taper joints for petroleum and petrochemical industries

## RAW MATERIALS

This company is exploiting the following raw materials:

- 1- Polyester resin, vinyl ester resin and epoxy resin made inside or outside Iran, according to the functional conditions including sanitary drinking water, or urban industrial swage or oil products as per the customer order.
- 2- Glass fibers are made in China by the recognized company which is exporting to Europe and USA. China is the biggest producer of glass fibers in the world.
- 3- Additives include hardeners, catalysts, thinners of well-known brands of the world and recognized producers in Iran.
- 4- Silica sand is processed and used from a mine which belong to this company and also is acquired from high quality products of Iranian companies.



## **ENGINEERING AND OPERATIONAL SERVICES**

- 1- Customer service before sale regarding the suggestions for the design of diameters, sizes, pressures and stiffness of the pipes
- 2- The potential to perform the projects as EPC according to the valuable background of the company in this area.
- 3- The ability to perform the Plumbing, pipe, laying and installation projects.
- 4- Providing the technical catalogues and operational booklets and required standards
- 5- Supervising services while operation
- 6- Lifetime after-sale services.
- 7- Guarantee, warrantee, and insurance upon request.
- 8- Technical and operational trainings before during and after project implementation

## **DOMESTIC AND INTERNATIONAL CERTIFICATES**

- 1- Iranian national standard certificates 10729, 11433, 11432, and 10730
- 2- International certificates: ISO 9001, ISO 29001, OHSAS, EPQM, CE, HSE, ISO 14001, ISO 18007, ISO 10002
- 3- Domestic and international certificate of hygiene for resins and hygiene certificate BS6920 and FDA as food grade
- 4- Membership in composite society, research and development society, mine and industry house, and national standard holders' society.
- 5- Awarded by best technical supervisor honor in hygiene standard in three different periods.



## **RESEARCHES, INVENTIONS, AND SCIENTIFIC ACTIVITIES**

- 1- Researching the anti-fire additives.
- 2- Fiberglass tunnel patent under the name of shared urban utility tunnel
- 3- Participating in editing the national standards of 11432, 10730, 10729, and 11433 in Iran.
- 4-Research, tests, production and installation of GRP well casing pipes for the first time in Iran

## **COMPANY RESUME AND ACTIVITY HISTORY**

- 1- Founded at 1995 in Qeshm Iceland for PP pipes and fittings for drinking water and sewage and 2005 for GRP pipes and fittings and tanks.
- 2- Participating in fiber glass pipe and fittings tenders , official submissions and contracting with Water and Wastewater Companies, Regional Water Authorities, municipalities, industrial towns, governmental and private factories.
- 3- Participating in fiber glass tanks official submissions from 500 to 1000 cubic meters volume and contracting with Kish Water and Power Company, Zanjan Water and Wastewater Company, Khaf iron ore mines, and industrial poultry abattoir of Mashhad
- 4- Participating in 150 cubic meters volume fiber glass tanks official submissions and contracting with many governmental and private companies.
- 5 -PP pipes and fittings , GRP , GRVE and GRE ( Fiberglass ) pipes designed specifically for drinking water, raw water, petroleum, chemicals up to 32 bar pressure and up to 10000(pa) of stiffness in continuous and discontinuous types with coupling joints , bell-and-spigot joints , flange joints and restrained taper joints. Diameter 25-4000mm.
- 6 - GRP , GRV , GRE ( Fiberglass ) tanks produced in 2 types: in the warehouse, and at the site for all fluids.



7 - Urban utility tunnels made of GRP in 1800 to 6000 mm Diameters for The first time in the world (Invention)

8 - GRP well casing pipes and GRP well pumping pipes for the first time in the whole of Iran.

9 - All types of GRP , GRV , GRE fittings and joints according to the ordered diameter and size.

DOMESTIC AND AND INTERNATIONAL CERTIFICATES and Equipments

Iranian national standard certificates 10729, 11433, 11432, and 10730.

International standards FOR producing: ASTM D3517 , AWWA M45, C950 , ISO 10639, 10474

International certificates: ISO 9001, ISO 29001, OHSAS, EPQM, CE, HSE, ISO 14001, ISO 18001

Certificate of hygiene for resins and hygiene certificate BS 6920 and FDA as food grade

Exporting to Iraq, Turkmenistan, Afghanistan , Sudan , Yemen , Kuwait and Armenia .

We have 3 production lines of continuous GRP pipes from 300 to 4000 mm certified by VEM of Italy and 3 lines of discontinuous GRP pipes from 50 to 1000 mm and 2 lines of discontinuous GRP pipes from 400 to 4000 mm and Equipped for production of all GRP fittings and 2 lines of portable GRP tanks up to 4 m dia. and 12m length with 150 m3 of volume and 8 fixed tanks lines from 4 to 25 m in diameter and 2000 m3 of volume which are produced at the site and are increasable up to 10000 cubic meters volume with complete test instruments for GRP and PP products.