

THE
BEST
CHOICE...

iranpipe

5-layer pipe & fittings

bistbaspar

polypropylene pipe & fittings

bistabaspar

polyethylene tanks



BIST BASPAR SPADANA CO.

*Manufacturer Of Polypropylene Pipe & Fittings
5 - Layer Pipe & Brass Fittings*

Know about us...

Bist Baspar spadana Industrial Group factories started their activities with the aim of job creation for young people and producing quality products. The experienced engineers and researchers of this factory, using the latest technologies in the world and using all their capacities, started working in the field of production of single-layer polymer pipes and fittings with Bist baspar brand.

After succeeding in creating a diverse portfolio of single-layer polymer products and receiving many standards, approvals and certificates in this field, a new movement began in the production of five-layer pipes with Iran Pipe brand. And after that, it started to produce coupling brass and press fittings with VRP brand.

After a short time, it reached mass production, which, as in the past, by maintaining the superior quality of products, respecting consumer rights, having international standards, certificates and approvals, this industrial group became one of the top producer in the field of these products.

Bist Baspar spadana Industrial Group, in this way our mission, mass-produced polyethylene tanks used in homes, industrial and agricultural manufactory as storage of water and other liquids in various sizes and designs with Bista Baspar brand, and by obtaining standards and necessary certifications have become one of the top manufacturer in this field.

We are proud to have a continuous and brilliant presence as a top brand in many executive projects of the country as well as exports to different countries. We firmly believe that being first or second in an industry is far less important than being top. We are proud to be the best.

We follow the growing trend and all-round production of new products by using new technologies and making every effort and we believe that the superior quality of our products has no boundaries and we are committed to expanding as much as possible in terms of quantity and quality and providing new services.

○ Laboratory & Quality Control Unit

The laboratory & quality control unit is one of the main and most important units of Bist Baspar Spadana Industrial Group, which controls and monitors the quality of raw materials and all products for each industrial unit separately. Raw materials prepared are examined by this unit to produce in the factories of Bist Baspar Spadana Industrial Company.

○ Stage 1: Control the raw materials

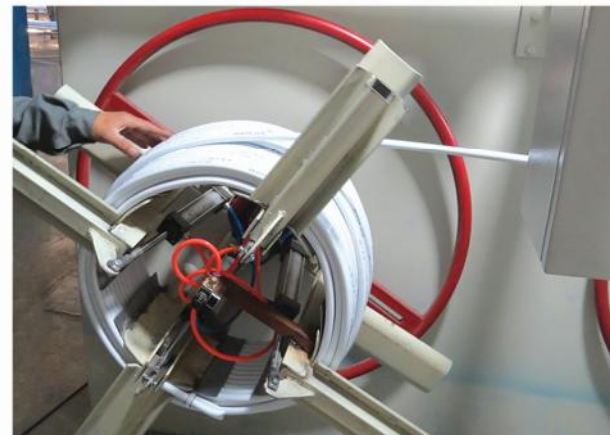
All raw materials required by this company, including single-layer polypropylene materials, PEX, PERT, aluminum, brass ingots, glues, pigments at the time of entering the factory are controlled and their desired quality consistent with existing standards is tested, and if approved, the permission to enter the raw material warehouse is issued by the unit.

○ Stage 2: Control during manufacturing

One of the important tasks of the laboratory & quality control unit is quality control of products during manufacturing, which is randomly selected from all production lines and products (single-layer pipes and fittings, five-layer pipes, brass fittings, and polyethylene tanks) and is controlled and tested in the laboratory.

○ Stage 3: Final control of products

The manufactured products are tested and re-examined before packaging and are packaged after complete confirmation. The tests include measuring the dimensions of pipes & fittings, their weight, and short-term & long-term hydrostatic pressure tolerance at different temperatures, and also the impact test of single-layer and five-layer pipes and fittings, polyethylene tanks, etc. in intended coldness.



bistbaspar
polypropylene pipe & fittings



POLYMER PIPE

INDUSTRIAL GROUP BIST BASPAR SPADANA



○ Polymer Pipes and Technical Specifications

Bist Baspar single-layer polymer pipes are made of the best and most quality raw materials available using a masterbatch with polymer base as an energy consumption grade for the pipe. Moreover, pipes are produced consistent with the maximum thickness of the standard table. The items above increase the durability of Bist Baspar polymer pipes compared to pipes produced by other companies.

Technical specifications of polymer pipes

outer diameter (mm)	outer diameter (inch)	tolerance (mm)	thickness (mm)	tolerance (mm)	weight per unit length (Kg)
20	1/2	+0/3	3/4	+0/6	0/172
25	3/4	+0/3	4/2	+0/7	0/266
32	1	+0/3	5/4	+0/8	0/436
40	1 1/4	+0/4	6/7	+0/9	0/671
50	1 1/2	+0/5	8/3	+1/1	1/041
63	2	+0/6	10/5	+1/3	1/653
75	2 1/2	+0/7	12/5	+1/5	2/340
90	3	+0/9	15	+1/7	3/360
110	4	+1	18/3	+1/9	5/040

○ polymer fittings

Some polymer fittings include brass nuts, which also play an important role in the quality of male & female connectors. Precise design of these brass parts is considerable to Bist Baspar company; unique design and using high-quality ingots with the desired alloy, on one side, and plating with resistant and shiny nickel metal (which makes brass nuts harder and more resistant against corrosion and abrasion and also anti-friction), and on the other hand, not only has completely solved the problems by manufacturing this type of fittings that other companies still face, but also the metal threaded fittings produced by this company have quality beyond imagination.



○ How to join pipes and fittings

Bist Baspar polymer pipes and fittings are joined by fusion welding according to DVS and DIN standards, and it is necessary to be considered the points of the table in the fusion process. After fastening the appropriate and standard mold on the plate of the fusion machine, connect it to the power supply and set the temperature of the machine to 260-10C°, and after heating the machine, which lasts for 20 to 30 minutes, you can start the fusion process.

fusion guideline table according to the standard

pipe diameter (mm)	depth of fusion (mm)	heating time (O°)	welding time (O°)	cooling time (O°)
20	14	5	4	2
25	15	7	4	2
32	16/5	8	6	2
40	18	12	6	4
50	20	18	6	4
63	24	24	8	6
75	25	30	8	8
90	29	40	8	8
110	32/5	50	10	8

○ Note

The mold and the fusion point have to be completely clean because the burnt particles on them will cause incomplete welding. If the ambient temperature is less than 5 °C, the heating time should be increased to 50% and the temperature of the device should never be set higher than the mentioned temperature since the temperature of more or less than 260 - 10 C° causes molecular degradation and not fusing respectively.

○ Connection Steps



1. Cut the used pipe completely perpendicular to their longitudinal axis and clean the cutting area. Keep in mind that not cutting vertically causes a change in the depth of fusion.
2. According to the fusion guideline table, mark the depth of fusion on the pipe with a ruler or meter.
3. Making the pipe and fitting approach to the end of the fusion machine molds at the same time using the same pressure. Be careful not to enter the pipe more than the marked part inside the mold, as the inside diameter of the pipe will decrease and the pipe will become clogged.
4. After heating stated in the relevant table, take the pipe and the fitting out of the mold without turning and immediately, without twisting and turning, put them inside each other to the specified depth of fusion.

○ Note

It is worth mentioning that the heating time, according to the guideline table, starts when the pipe and fitting have reached the end of the mold. About 2 to 3 hours after the last fusion, the project is ready for pressure testing. It would be best to test the welded pipe and fittings at a pressure of about 10 to 15 atmospheres.

○ Important test to ensure proper fusing

Perpendicular to the longitudinal axis, cut the weld of the pipe to the fitting, which fused according to the connection method above with scissors to ensure that the fusion process has been done correctly.

If the surface of the cut part is smooth and seamless and the fused point with the fitting is inseparable and without bubbles, and also the fitting opening is not tight, the fusion process is done without defects and after testing, you can deliver the project with certainty.

Otherwise, if the fusion process has been done imperfectly, even if the pressure test of the project is acceptable, the facilities and installation of that building will be at risk of leakage in the future.

Note that despite the fusion performance testing of the project, a pressure test is required to ensure the performance of the piping system.



○ Dos:

- Use Bist Baspar polymer pipes and fittings together
- Do all the items mentioned in the connection steps
- Perform pressure test after piping and draining water pipes to prevent freezing in cold weather
- Cover on the pipes after performing the pressure test
- Be very careful in transportation
- Use PTFE tape to install metal fittings
- Use suitable insulation for pipes in cold weather

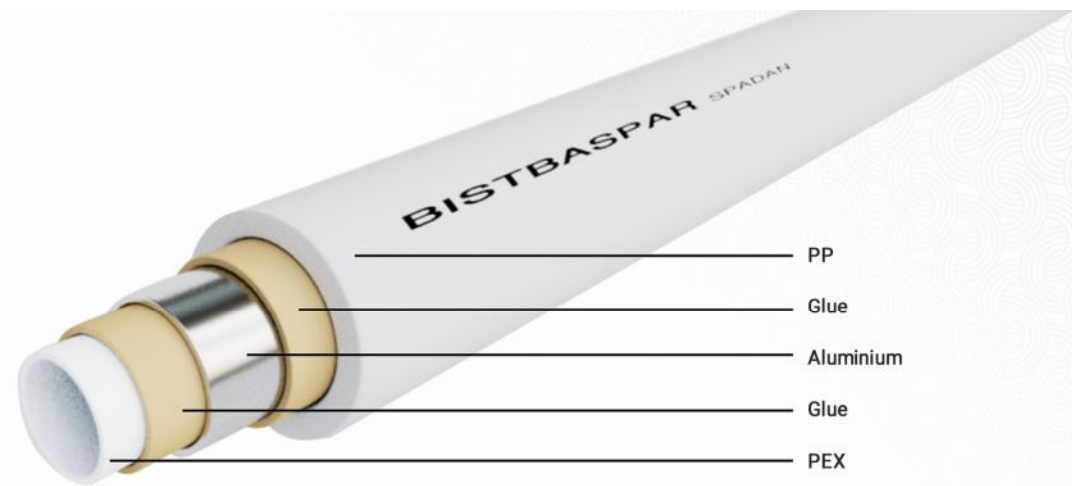
○ Don'ts

- Do not use greasy and dirty pipes
- Do not use joint sealing for metal fittings, and conical nipples
- Do not expose the pipe to direct flame
- Do not hit the end of the pipe and drag them on the ground
- Do not use an iron plug
- Do not use pipes with cracks on the surface
- Do not use wrenches with rough jaws and teeth
- Do not hit the pipes and drop hard objects on the pipes, especially in cold weather

○ Why should we use Bist Baspar single-layer pipes and fittings?

- Because polymeric materials do not oxidize, they do not rust and have great longevity (typically up to 50 years).
- Because the inside of the pipe is very polished and as a result, it does not deposit and will not have a pressure drop.
- Because Bist Baspar polymer pipes can tolerate high pressure and heat, they can be used in heating systems (radiators).
- Because the polymer nature of Bist Baspar products does not combine with acids and bases, they are suitable for the transfer of chemicals.
- Because Bist Baspar polymer products have a very low opacity (or the quality of light passing), so algae do not live in them, the taste and smell of water will not change, and are quite suitable for drinking water.





5-layer welded pipes

Bist Baspar five-layer welded pipes are a combination of two-layer polymer, two-layer glue, and one-layer aluminum. It should be noted that when manufacturing the pipes, pex and polypropylene are used for the inner polymer layer and the outer polymer layer respectively.

This type of pipe, because of the use of aluminum in the middle layer, has a very low longitudinal expansion and a higher compressive and mechanical strength than single-layer pipes.

These pipes can be connected using single-layer fittings, and obviously to do this, the same method and connection steps described in the section of the single-layer pipe on pages 3-4 are used.

These type of pipes are an upgraded model for those water-distribution systems where single-layer connections are used.

Specifications of five-layer butt-welded polymer pipes

outer diameter (mm)	outer diameter (inch)	tolerance (mm)	thickness (mm)	tolerance (mm)	weight per unit length (Kg)
20	1/2	+0/3	3/4	+0/6	0/193
25	3/4	+0/3	4/2	+0/7	0/320
32	1	+0/3	5/4	+0/8	0/433

Welding guideline table consistent with standards

pipe diameter (mm)	depth of fusion (mm)	heating time (s)	welding time (s)	cooling time (s)
20	14	5	4	2
25	15	7	4	2
32	16/5	8	6	2

It is emphasized that the method of connecting the pipe to single-layer fitting is the same as the simple method for PP-R single-layer pipes and fittings.

The proper method of fusing Bist Baspar 5-layer welded pipes



Advantages of 5-layer welded pipes

- Increasing the compressive and temperature strength of these pipes compared to PP-R pipes and three-layer polypropylene pipes reinforced with glass fiber.
- Very low longitudinal expansion coefficient compared to PP-R single-layer pipes.
- Quick and easy installation compared to polypropylene foil pipes because there is no need to scrape the outer layer.

Application of 5-layer welded pipes

- Sanitary hot and cold water piping of buildings
- Piping of heating systems
- Transferring water in risers
- Compressed air transfer systems
- Power supply systems for cooling towers and fan coil units



Elbow 45°

Pack	Size	Code
320	20	20350
190	25	20352
100	32	20354
60	40	20356
30	50	20358
14	63	20360



Conversion

Pack	Size	Code
420	25x20	20240
300	32x20	20241
260	32x25	20242
190	40x20	20243
160	40x25	20244
140	40x32	20245
110	50x20	20246
110	50x25	20247
90	50x32	20248
70	50x40	20249
50	63x20	20250
50	63x25	20251
50	63x32	20252
50	63x40	20253
40	63x50	20254
30	75x40	20255
30	75x50	20256
30	75x63	20257
22	90x50	20258
22	90x63	20259
20	90x75	20260
12	110x63	20261
12	110x75	20262
12	110x90	20263



Elbow 90°

Pack	Size	Code
260	20	20310
150	25	20312
80	32	20314
45	40	20316
25	50	20318
14	63	20320
8	75	20322
3	90	20324
2	110	20326



Female connectora

Pack	Size	Code
230	20x1/2	20510
180	25x1/2	20512
140	25x3/4	20514
90	32x1/2	20516
90	32x3/4	20518
90	32x1	20520
52	40x1x1/4	20522
36	50x1x1/2	20524
24	63x2	20525
15	75x2x1/2	20526
7	90x3	20527
-	110x4	20528



Conversion elbow

Pack	Size	Code
150	20x25	20340
80	32x20	20342
80	32x25	20344



Male Connector

Pack	Size	Code
180	20x1/2	20610
160	25x1/2	20612
120	25x3/4	20614
80	32x1/2	20616
80	32x3/4	20618
75	32x1	20620
40	40x1x1/4	20622
35	50x1x1/2	20624
20	63x2	20625
11	75x2x1/2	20626



Male connection elbow

Pack	Size	Code
120	20x1/2	20630
100	25x1/2	20632
90	25x3/4	20634
50	32x1	20636



Bushen

Pack	Size	Code
350	20	20210
240	25	20212
140	32	20214
75	40	20216
45	50	20218
24	63	20220
20	75	20222
10	90	20224
5	110	20226



Tee

Pack	Size	Code
170	20	20410
110	25	20412
55	32	20414
35	40	20416
24	50	20418
11	63	20420
7	75	20422
3	90	20424
2	110	20426



Three-layers polymeric pipe

Pack	Size	Code
140	20	20160
100	25	20162
60	32	20164
40	40	20166
24	50	20168
16	63	20170



Reducing tee

Pack	Size	Code
110	25x20x20	20441
110	25x20x25	20440
110	25x25x20	20442
55	32x20x32	20443
55	32x25x32	20444
35	40x20x40	20445
35	40x25x40	20446
35	40x32x40	20447
24	50x20x50	20448
24	50x25x50	20449
24	50x32x50	20450
24	50x40x50	20451
10	63x20x63	20452
10	63x25x63	20453
10	63x32x63	20454
10	63x40x63	20455
10	63x50x63	20456



Three-layers fibrous pipe

Pack	Size	Code
140	20	20140
100	25	20142
60	32	20144
40	40	20146
24	50	20148
16	63	20150



Corner tee

Pack	Size	Code
170	20	20430
110	25	20432



Wall metal female knee

Pack	Size	Code
100	20x1/2	20650
90	20x3/4	20651
90	25x1/2	20652
70	25x3/4	20654



5-layer welded pipe

Pack	Size	Code
120	20	20130
80	25	20132
60	32	20134



Femal connection elbow

Pack	Size	Code
140	20x1/2	20530
125	25x1/2	20532
110	25x3/4	20534
60	32x1/2	20536
60	32x3/4	20538
60	32x1	20540
32	40x1x1/4	20542



Double elbow

Pack	Size	Code
35	20x1/2	20560
32	25x1/2	20562



Pipe

Pack	Size	Code
140	20	20110
100	25	20112
60	32	20114
40	40	20116
24	50	20118
16	63	20120
16	75	20122
12	90	20124
8	110	20126



90° male & female connector

Pack	Size	Code
220	20	20370
160	25	20372



Wall metal female knee

Pack	Size	Code
100	20x1/2	20550
100	25x1/2	20552
80	25x3/4	20554

Polypropylene pipe & fittings



Zoning valve

Pack	Size	Code
60	20	20810
45	25	20812
30	32	20814
20	40	20816



Coupling threaded pipe union

Pack	Size	Code
85	20	20740
75	25	20742
45	32	20744



Metal threaded pipe union

Pack	Size	Code
200	20	20710
150	25	20712
100	32	20714
55	40	20716
30	50	20718
16	63	20720



Coupling threaded pipe union

Pack	Size	Code
85	20	20730
75	25	20732
50	32	20734



Wall metal male tee

Pack	Size	Code
80	20x1/2	20690
60	25x1/2	20692
60	25x3/4	20694



Metal male tee

Pack	Size	Code
100	20x1/2	20670
80	25x1/2	20672
80	25x3/4	20674



Wall metal bushing tee

Pack	Size	Code
100	20x1/2	20590
70	25x1/2	20592
70	25x3/4	20594



Metal tee

Pack	Size	Code
130	20x1/2	20570
100	20x3/4	20571
80	25x1/2	20572
80	25x3/4	20574
40	32x1/2	20576
40	32x3/4	20578
40	32x1	20580
25	40x1x1/4	20582



Double open pipe clip

Pack	Size	Code
350	20	21340
300	25	21342



Single open pipe clip

Pack	Size	Code
1000	20	21310
750	25	21312
450	32	21314
280	40	21316



Short bridge fitting with clip

Pack	Size	Code
120	20	21260
85	25	21262



شیر حیاطی

Pack	Size	Code
-	1/2	20660
-	3/4	20662



شیر تکضرب بیکسر مغزی

Pack	Size	Code
45	20 x 1/2	20640
45	25 x 3/4	20642



Gas valve

Pack	Size	Code
45	20	20830
45	25	20832
28	32	20834
18	40	20836
12	50	20838
8	63	20840
6	75	20842



Lower of zoning valve

Pack	Size	Code
90	20	20850
65	25	20852
40	32	20854
25	40	20856



Upper of zoning valve

Pack	Size	Code
150	20	20820
125	25	20822
75	32	20824
75	40	20826



Iron mold

Pack	Size	Code
-	20	50071
-	25	50072
-	32	50073
-	40	50074
-	50	50075
-	63	50076
-	75	50077
-	90	50078
-	110	50079



Two element piping iron

Pack	Size	Code
-	-	50070



Scissor

Pack	Size	Code
-	-	50040



Plastic plug

Pack	Size	Code
160	20	21610
110	25	21612
70	32	21614



Stencil

Pack	Size	Code
300	20 cm	21810
80	50 cm	21812



Bushing bridge

Pack	Size	Code
95	20	21240
50	25	21242



Curved pipe

Pack	Size	Code
60	20	21210
40	25	21212
25	32	21214
12	40	21216



Cap

Pack	Size	Code
650	20	21540
480	25	21542
250	32	21544
170	40	21546
90	50	21548
50	63	21550
34	75	21552
22	90	21554

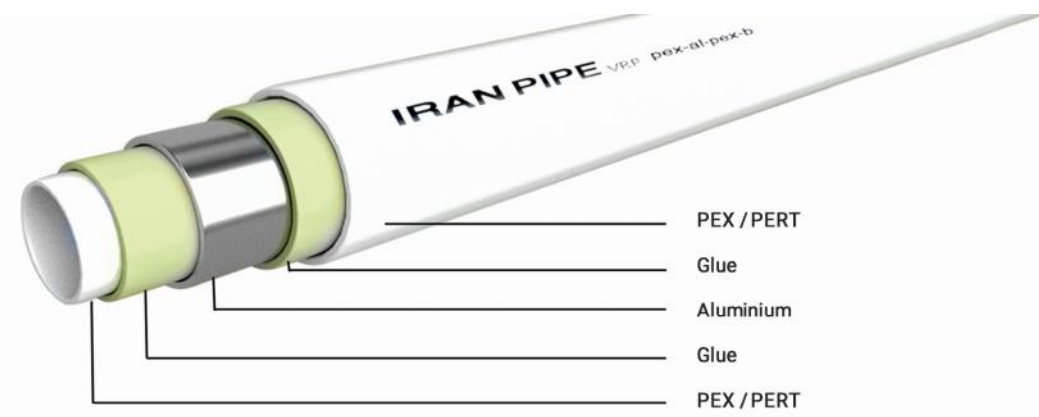


Short plastic plug

Pack	Size	Code
1000	20	21510
600	25	21512
430	32	21514

iranpipe

layer pipe & fittings-5



Iran Pipe five-layer pipes

Five-layer pipes consist of two layers of polymer, two layers of glue, and one layer of aluminum so that the inner and outer layers are glued to the middle made-of-aluminum layer.

Polymer layers

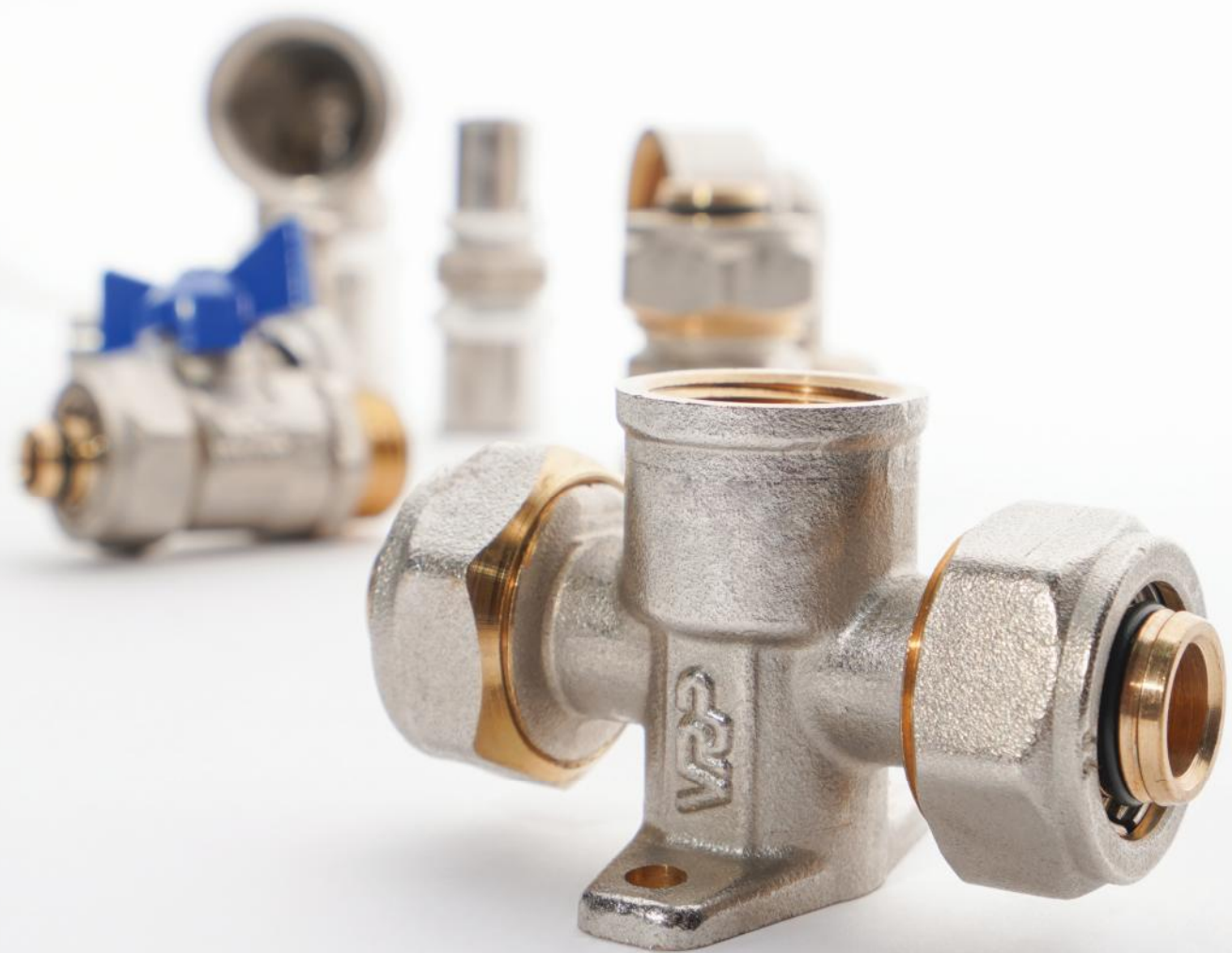
The polymer used in Iran Pipe five-layer pipes is a special type of polyethylene, which some its unique properties include resistance to corrosion, sediment, high-temperature tolerance, and very high ability to keep the drinking water healthy.

Glue layers

The glue used in producing pipes is also one of the best glues in this industry and plays an essential role in creating the integration, incorporation, and resistance of pipes as much as possible, and on the other hand, control the longitudinal expansion of pipes.

Aluminum layers

The aluminum used in the production of pipes is 8111-8011 alloy and has the maximum thickness according to the standard table. It should be noted that if there is any possible grease on aluminum foils, special materials are used to clean them, which creates a much more stable fusion and so a much better-quality pipe than the product of other companies.



Technical specifications of five-layer pipes

external diameter of pipe (mm)	wall thickness (mm)	aluminum thickness (mm)	inner diameter (mm)	weight per meter (g)	total weight of ring (kg)	ring area (m)	minimum bend radius with conduit bender (mm)	minimum bend radius with spring (mm)	minimum bend radius with conduit bender (mm)	Compression failure(bar)
mm	mm	mm	mm	g	kg	m	mm	mm	mm	bar
16	2	0/20+0/02	12	112	21/400	200	80	64	56	95
20	2/25	0/25+0/02	15/5	141	22/720	150	100	80	76	70
25	2/5	0/28+0/02	20	212	22/240	100	125	100	85	65
32	3	0/35+0/05	26	320	25/530	75	160	128	126	62

The minimum allowable Rupture Pressure for five-layer pipes in sizes 16. 20. 25. and 32 according to the standard is 60. 50. 40. and 40 bar, respectively.

The maximum allowable operating temperature for Iran Pipe five-layer pipes is 95°C and the pipes can tolerate this heat for a long time.

Advantages of five-layer pipes

- The use of advanced PEX-PERT polymer
- Pressure tolerance at high temperatures continuously
- Resistant to corrosion and rot
- High flexibility during implementation, and fast installation
- Ability to be used in underfloor heating systems due to the advantage of heat transfer
- Minimal roughness of the inner surface and inability to deposit salts inside the pipes, so creating a minimum pressure loss in the piping system

Five-layer VRP fittings

Keeping our development, we have started to produce various types of five-layer fittings made of brass ingots with 58% copper, which are malleable. These fittings through their quality O-rings provide complete and long-time durability and sealing in difficult conditions. These fittings are produced and marketed in 2 types:

1.VRP press fittings

For this type, the steel ring available on the fitting is pressed on the pipe using a press jaw of the same size.



Technical specifications of five-layer press fittings

Body	brass MS58
electroplating	nickel
plastic ring	Fireproof Teflon P.T.F.E
steel ring	Stainless Steel (304)
O-ring	EPDM
washer	NBR

2.VRP coupling fittings

For this type, just by tightening the nut available on the fitting, the brass ring inside it is fastened on the pipe.



Technical specifications of five-layer coupling fittings

Body	brass MS58
electroplating	nickel
plastic ring	brass MS58
steel ring	brass MS58
Oring	EPDM

How to join Iran Pipe five-layer pipes with VRP fittings

Regarding the different connection methods in press and coupling fittings, each fitting has a special method to be installed, and both types of fittings have the same initial steps. First, cut the pipe with scissors or a ring cutter to the required size, then widen slightly inside of the pipe with a caliber tool, and finally, concise the inner wall of the pipe using the blades at the end of the caliber in rotation. This is very important because, before calibration, the wall of the pipe is sharp and may tear the rubber O-ring of the fitting during installation, which can prevent sealing and cause leakage.

1.VRP press fittings

After finishing the steps described on the previous page, insert the pipe into the press fitting. To ensure that the pipe is fully inserted into the steel ring, you can use the hole at the end of the steel ring. Then, the steel ring is pressed on the pipe using a (hydraulic) electric press machine or manual press with a jaw of the same size as the pipe and the fitting.



2.VRP coupling fittings

For the coupling type, after finishing the initial steps, first, pass the fitting nut through the pipe and then insert the special ring into the nozzle. After that, enter the pipe into the fitting and tighten the nut with an open-end wrench or an adjustable wrench.



Note

Before starting the pressing of the press fittings, by removing the steel ring, make sure that there is a rubber O-ring on the fittings. Lack of rubber O-ring causes problems in sealing the press area.

Advantages of Iran Pipe five-layer pipes and VRP fittings

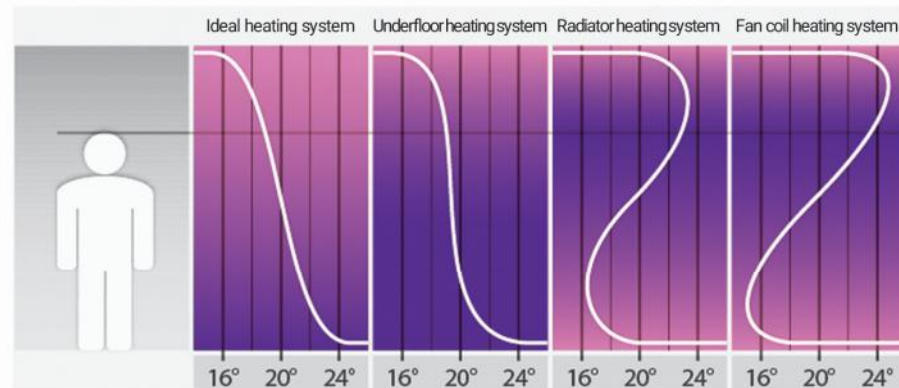
These pipes have the same advantages as the polymer pipes (which were mentioned in the section of the single-layer pipes) and in addition, incorporating metal and polymer has created other advantages for the pipes, including:

- Faster and easier installation because of malleability
- Use in underfloor heating systems because of the very high capability to transfer heat through the wall
- High heat tolerance, even continuously

Underfloor heating system using Iran Pipe five-layer pipes

Year after year, heating buildings in the cold seasons was a concern. A variety of companies around the world have tried to offer new and different methods to heat buildings.

The underfloor heating system is one of the most up-to-date and modern ways of heating buildings. As you know, using the usual methods, most of the heat generated is trapped near the roof of the building while this method creates more heat on the floor, which is pleasant. In this method, hot water enters the five-layer pipes through the collector (Manifold), and since the pipes are spread in a regular network on the floor of the building, it causes the heat in the pipes to transfer to the surface.

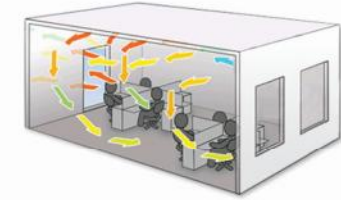


Using Iran Pipe five-layer pipes and fittings to create a floor heating system will bring you rest and comfort in the cold seasons of the year

Why should we use the Iran Pipe underfloor heating system?

Pleasant and uniform heat flow

When using the radiator, the heat distribution occurs inappropriately. But in the underfloor heating system, because of the proper and uniform distribution of heat and the creation of relative humidity, we will have a pleasant environment.



More beautiful architecture

It is difficult to choose a place to install radiators so as not to damage the beauty of the interior decor of buildings while the underfloor heating system with the lack of radiators has solved the problem.



Clean walls

All heating systems of buildings cause the curtains and walls to be black with dirt. It is only the underfloor heating system by which there is no continuous need to clean the walls and curtains.



Safety and health

A warm, dry floor prevents the growth and proliferation of fungi and microscopic organisms that cause a variety of skin and respiratory diseases. However, the air humidity properly maintained makes the skin fresh, reduces the number of dust particles, so the problems such as asthma, allergic coughs, and seasonal diseases including rheumatism are minimized.



Energy saving

Iran Pipe underfloor heating system heats the objects and residents of the building instead of heating the air. Solar energy, lower water temperature, reduced heat loss and other reasons make the energy consumption in Iran Pipe underfloor heating system between 30% to 50% less than other heating methods.





Carton	Pack	Size	Code
80	20	16x1/2	70610
64	16	20x1/2	70612
-	-	20 x 3/4	70614
32	8	25x3/4	70618
32	8	25x1	70620
20	5	32x1	70622



Carton	Pack	Size	Code
48	12	16x1/2	70910
48	12	20x1/2	70914



Carton	Pack	Size	Code
60	15	16x1/2	71610
40	10	20x1/2	71614
40	10	25x3/4	71618



Carton	Pack	Size	Code
40	10	20x16x16	70742
40	10	20x16x20	70744
16	4	25x16x25	70750
16	4	25x20x20	70752
16	4	25x20x25	70754



Carton	Pack	Size	Code
60	15	16x16x16	70710
40	10	20x20x20	70712
16	4	25x25x25	70714
12	3	32x32x32	70716



Carton	Pack	Size	Code
88	22	16x16	70410
56	14	20x20	70412
32	8	25x25	70414
16	4	32x32	70416



Carton	Pack	Size	Code
120	30	16x1/2	60208
100	25	20x1/2	60210
80	20	20x3/4	60215
64	16	25x1/2	60211
64	16	25x3/4	60212
48	12	25x1	60220
40	10	32x1	60218



Carton	Pack	Size	Code
144	36	16x1/2	60108
120	30	20x1/2	60110
96	24	20x3/4	60112
64	16	25x3/4	60114
32	8	32x1	60118



Carton	Pack	Size	Code
12	14	16x16x1/2	70810

سه راه ۹۰ صفحه دار تو پیچ کوپلی

Carton	Pack	Size	Code
-	-	16x1/2x16	71110
-	-	20x1/2x20	71114



Carton	Pack	Size	Code
56	14	16x1/2x16	70860
48	12	20x1/2x20	70862



Carton	Pack	Size	Code
40	10	16x1/2x16	71310
32	8	20x1/2x20	71314



Carton	Pack	Size	Code
56	14	16x1/2x16	71710
32	8	20x1/2x20	71714



Carton	Pack	Size	Code
-	-	16x1/2x16	71810



Carton	Pack	Size	Code
32	8	16x1/2x16	71510
32	8	16x1/2x20	71512
32	8	20x1/2x20	71514
32	8	20x1/2x16	71516



Carton	Pack	Size	Code
80	20	16x1/2	70510
64	16	20 x 1/2	70512
40	10	25x3/4	70518
32	8	25x1	70520
24	6	32x1	70522



Carton	Pack	Size	Code
120	30	روبیچ 3/4 تو پیچ 1/2	20406
240	60	روبیچ 1/2 تو پیچ 3/4	20408
80	20	روبیچ 1 تو پیچ 3/4	20410
144	36	روبیچ 1/2 تو پیچ 1	20412
132	33	روبیچ 3/4 تو پیچ 1	20450
80	20	روبیچ 1/4 تو پیچ 1	20452
80	20	روبیچ 3/4 تو پیچ 1/4	20454
64	16	روبیچ 1/4 تو پیچ 1/2	20456
64	16	روبیچ 11/4 تو پیچ 1/2	20458
32	8	روبیچ 2 تو پیچ 1	20460
32	8	روبیچ 2 تو پیچ 11/4	20462
28	7	روبیچ 2 تو پیچ 11/2	20464



Carton	Pack	Size	Code
120	30	1/2x3/4	20210
80	20	1x3/4	20212



Carton	Pack	Size	Code
240	60	1/2	20110
144	36	3/4	20112
64	16	1	20114
48	12	1 1/4	20116



Carton	Pack	Size	Code
48	12	3/4	20832



Carton	Pack	Size	Code
48	12	3/4	20832



Carton	Pack	Size	Code
56	14	تو پیچ 1/2 تو پیچ 1	20616



Carton	Pack	Size	Code
88	22	1/2	20610
56	14	3/4	20612
32	8	1	20614



Carton	Pack	Size	Code
120	30	1/2	20510
60	15	3/4	20512



Plastic plug

Carton	Pack	Size	Code
130	-	20 آبی	22210
130	-	20 قرمز	22212
90	-	25 آبی	22214
90	-	25 قرمز	22216
60	-	32 آبی	22218
60	-	32 قرمز	22220



short plastic plug

Carton	Pack	Size	Code
700	-	20	22250
450	-	25	22252
350	-	32	22254



Double open pipe clip

Carton	Pack	Size	Code
300	-	16	22150
300	-	20	22152
200	-	25	22154



Single pipe clip

Carton	Pack	Size	Code
750	-	16	22110
800	-	20	22112
550	-	25	22114
300	-	32	22116



rail clamp

Pack	Size	Model	Code
200	40 cm	ساده	60964
200	40 cm	پشت چسبدار	60962



Pipe staple

Carton	Pack	Size	Code
-	2000	خاردار	22160



Automatic air valve

Carton	Pack	Size	Code
-	-	1/2	45116



Collector base and clamp

Carton	Pack	Size	Code
-	-	3/4-1	25056



5 - Layer pipe charging press

Carton	Pack	Size	Code
-	-	-	13119



5 - Layer pipe press (hydraulic straight jaw)

Carton	Pack	Size	Code
-	-	-	13120



5 - Layer pipe handle press

Carton	Pack	Size	Code
-	-	-	13118



Pipe beneler - outside

Carton	Pack	Size	Code
-	-	16	12912
-	-	20	12914
-	-	25	12916
-	-	32	12918



Pipe bender-inside

Carton	Pack	Size	Code
-	-	16	12913
-	-	20	12915
-	-	25	12917
-	-	32	12919



Shield adjustment tool 16.20.25

Carton	Pack	Size	Code
-	-	16.20.25	12750



Oring

Carton	Pack	Size	Code
-	100	16	50210
-	100	20	50212
-	100	25	50214
-	50	32	50216



Steel ring

Carton	Pack	Size	Code
800	100	16	50110
640	80	20	50112
240	30	25	50114
192	24	32	50116



Coupling fitting ring

Carton	Pack	Size	Code
-	100	16	601083
-	100	20	601103
-	50	25	601143
-	50	32	601183



Coupling fitting Nut

Carton	Pack	Size	Code
-	100	16	601081
-	50	20	601101
-	40	25	601141
-	30	32	601181



Collector box

Carton	Pack	Size	Code
1	-	45x45	25010
1	-	45x65	25012
1	-	45x75	25022
1	-	45x85	25016
1	-	45x95	25014



Fitting bracket wall

Carton	Pack	Size	Code
-	25	تک 63	22310
-	25	زوج 153	22410
-	25	زوج 280	22411
-	25	قوس دار 280	22451
-	25	رادیاتوری 500	22412
-	25	زیر پکیج	22452



Sheet insulation

Carton	Pack	Size	Code
-	50	10 mm	33122
-	25	20 mm	33126
-	25	25 mm	33128
-	25	32 mm	33130



foam Pipe

Carton	Pack	Size	Code
-	150	16	50100
-	100	20	50101
-	100	25	20102
-	100	32	50103

bistabaspar
polyethylene tanks

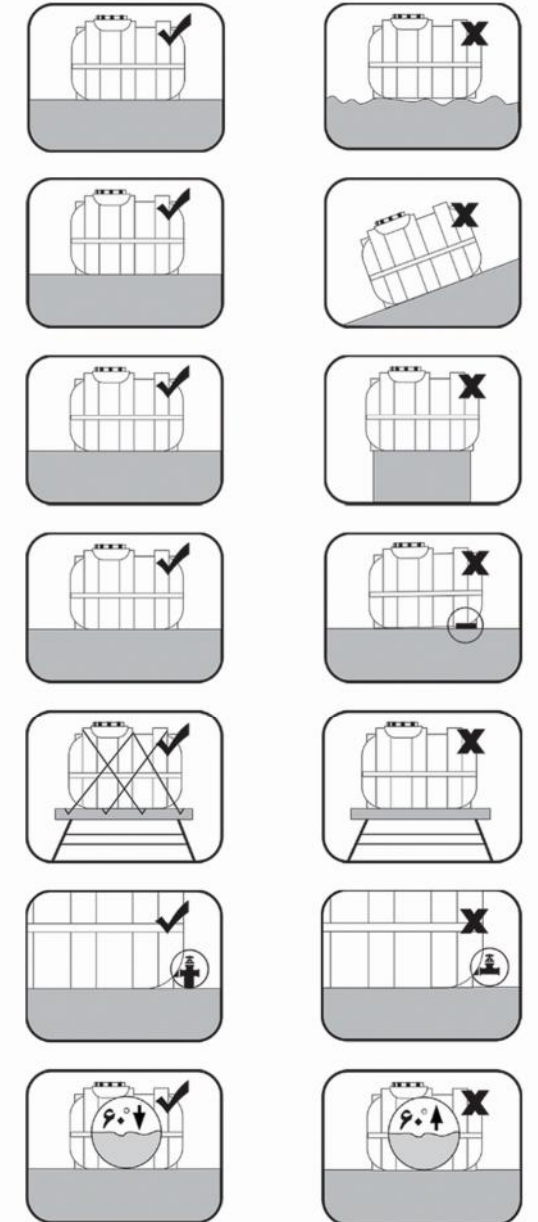


Important points when transporting Bist Baspar tanks

- When transporting and discharging of vehicles, prevent dropping or rolling the tanks on the ground.
- When transporting by vehicles, secure the tanks with a rope.

Important points when installing Bist Baspar tanks

- Don't roll the tanks on which the fittings are installed.
- Fasten firmly the fittings will damage the tanks.
- If you connect the tank outlet to the pump, use a vibration dampener to prevent the transmission of vibrations caused by the pump vibration to the tank.
- The location of the tanks has to be completely smooth and even.
- The location of the tanks has to be perfectly level.
- The location of tanks has to be at least 10% larger than their dimensions and also bear the weight of a full-of-liquid tank.
- Avoid leveling the tanks with rocks, tiles, or any other hard object.
- If the location of the tanks is at height, to prevent vibrations caused by the wind when the tanks are empty, fasten firmly them to the relevant structure.
- It is necessary to prepare some support for the tank outlet valve .
- Avoid storing liquids with a temperature of more than 60 °C in Bist Baspar tanks.
- To prevent the increase or decrease of pressure inside the tanks, it is necessary to install an overflow pipe at least twice the diameter of the inlet pipe
- Avoid hitting sharp objects and applying concentrated load to the tanks.
- Avoid rolling tanks on which fittings are installed.
- Any chemical operations such as diluting acids and bases with water or placing water vapor in the tanks are not allowed.
- If the tanks are filled with the municipal water distribution network, use a mechanical floater on the water inlet and make sure of its correct operation by visiting it periodically.



Polyethylene tanks



Horizontal Tanks

Code	Capacity	Length	Width	Height
80200	100 liter	72	53	56
80202	200 liter	95	57	64
80204	300 liter	105	65	70
80208	500 liter	134	77	84
80212	800 liter	157	87	95
80214	1000 liter	164	97	103
80216	1500 liter	196	110	114
80218	2000 liter	200	125	130
80220	3000 liter	235	139	147



Vertical Tanks

Code	Capacity	Length	Height	Diameter
81200	100 liter	72	75	50
81204	200 liter	88	90	60
82208	500 liter tall	162	175	66
82212	800 liter tall	150	160	90
81214	1000 liters short	117	135	115



Under-Stairs Tanks

Code	Capacity	Length	Width	Height
83210	750 liter	153	77	86
84210	750 liter extruded	153	77	86

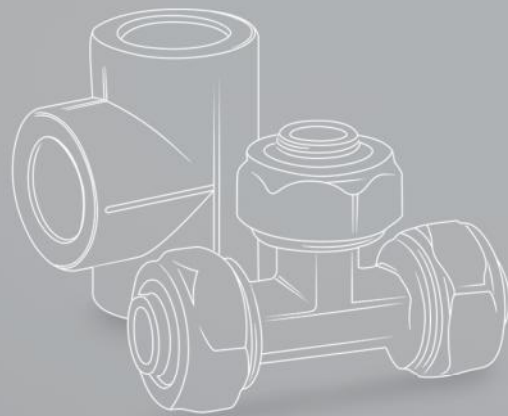


Brass Fitting

Code	Size
89900	1/2"
89902	3/4"
89904	1"

CERTIFICATE





بیستابسیار

مخازن پلی اتیلن

بیستابسیار

لوله و اتصالات پلی پروپیلن

ایران یارپ

لوله و اتصالات پنج لایه

2023-2024

CERTIFICATE

- Technical certificate of PPRC polypropylene pipes research center for road, housing and urban development.
- Technical certificate of PPRC Polypropylene Connections Road, Housing and Urban Research Center.
- Technical certificate of the Road, Housing and Urbanization Research Center for PEX / AL / PEX pipes.
- Technical certificate of the road, housing and urban development research center of press & compression fittings.
- Permit to use the mandatory standard mark for PPRC polypropylene pipes.
- Permit to use the mandatory standard mark for PPRC polypropylene fittings.
- License for the use of the compulsory standard sign of multi-layer pipes
- License to use the mandatory standard sign of Brass fittings.
- License to use the mandatory standard symbol for ball valves.
- License to use the standard incentive symbol for polyethylene tanks.
- Quality assurance certificate from the European Union - CE export approval
- HSE safety and environmental system management standard certificate
- ISO 17025 laboratory quality management standard certificate
- ISO 14001:2015 environmental management standard certificate
- ISO 9001:2015 quality management and customer oriented standard certificate
- Occupational health and safety management standard certificate ISO 5001:2015

