



产品手册 Product Brochure

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山东海丽管道科技有限公司

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企业简介

山东海丽管道科技有限公司成立于2013年，注册资金5000万元。公司位于中国美丽的“玫瑰之乡”——平阴县工业园区，总部位于济南和谐广场，是一家专业、专注于节能、环保、新型高端埋地管材及配套产品研发、生产、销售于一体的综合型公司，以打造“节能、环保埋地给、排水管网制造商”为企业愿景，以“为实现智慧城市提供智能管网系统”为目标。

公司自成立以来坚持自我创新和技术引进相结合，为解决城市内涝和城市建设提供前沿综合性给排水管网解决方案。公司主要生产HDPE聚烯烃钢带增强排水管、玻纤增强SMC模压塑料检查井/化粪池、PE给水/燃气管及矿用管、PE喷灌管、PVC-U/M给水管、高密度聚乙烯外护管、FPPE非开挖专用管等系列产品，覆盖城市基础设施建设的雨水收集、污水排放、引水、给水、中水回用、工业及燃气等领域。

公司拥有国内外先进设备生产线十条，先后顺利通过了ISO9001质量管理体系、ISO14001环境管理体系认证以及OHS18001职业健康安全管理体系三大体系，并通过了国家特种设备制造许可（TS）认证。海丽人始终秉持“诚实做人、踏实做事”的企业精神，以“绿色环保、精品高效”作为对用户的承诺，为各地市政工程、石油化工、燃气公司、交通枢纽等领域提供安全可靠的产品和科学系统的管网解决方案，赢得了广大客户的认可和支持，业务迅速覆盖全国。立足国内的同时，海丽人又将目光转向国际市场，并成功将喷灌管销往保加利亚等国家，相信海丽人必将在世界大舞台上乘风破浪，勇往直前。

海纳百川，美丽未来。为了“成就人类美丽蓝天、美丽梦想”，山东海丽管道科技有限公司期待与您牵手、肩并肩，共圆“中国梦”。

Company Profile

Shandong Haili Pipe Technology Co., Ltd. was founded in 2013, which covers an area of 100,000 square meters, with a total investment of 65 million dollars, registered capital of 8 million dollars. Company production base is located in the famous "Rose Country" -- Pingyin county industrial park, and company headquarters is located in Jinan Harmony Square. Haili Pipe is a comprehensive professional company, which is focused on research and development, production and marketing of energy-saving, environmental, new high-end buried pipes and related products. The vision for the enterprise is to become "an energy saving, environmental manufacturer of water supply and drainage pipeline system. The goal of the company is "to provide intelligent pipeline system to achieve wisdom city".

Since the establishment, in order to solve the urban waterlogging and urban construction, Haili Pipe has been insisting on the combination of self-innovation and technology introduction, to provide leading and integrated water supply and drainage pipeline network solutions. Haili Pipe has introduced dozens of domestic and foreign advanced equipment and production lines and has successfully passed the ISO9001 quality management system certification, ISO14001 environmental management system certification and OHS18001 occupational health and safety management certification, and passed the national special equipment manufacturing license (TS) certification. The main products include HDPE polyolefin steel belt enhanced drainage pipe, glass fiber enhanced SMC molded plastic manhole/septic tank, HDPE water/gas pipe and mining pipe, HDPE spray irrigation pipe, uPVC/MPVC water pipe, HDPE protecting pipe, FPPE trenchless specified pipe etc. It covers the areas of rainwater collection, sewage discharge, water diversion, water supply, reuse of reclaimed water, industrial and gas in the municipal infrastructure construction.

Haili people always uphold the enterprise spirit of "honest personhood, practical work", with the commitment of "green environment, high-quality and high efficiency", to provide safe and reliable products and scientific pipeline network solutions for municipal engineering, petrochemical industry, gas company, transportation hub, and other fields. The company has won the recognition and support of many customers and the business has rapidly covered the whole nation. At the same time of basing on the domestic market, Haili people spread their business to the international market, and successfully export their products to Venezuela, Chile, Bulgaria and many other countries.

For the achievements of "beautiful blue sky, beautiful dream for human", Shandong Haili pipe technology co., Ltd. looks forward to cooperating with you, hand in hand, shoulder to shoulder, together for the bright future of human.

OHSAS 18001: 职业健康安全管理体系认证



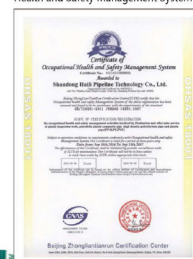
ISO14001: 环境管理体系认证



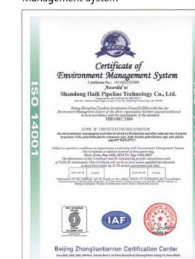
ISO9001: 质量管理体系认证



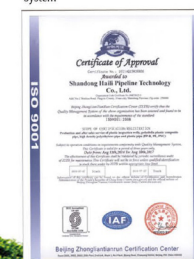
OHSAS 18001: Certificate of Occupational Health and Safety Management System



ISO14001: Certificate of Environment Management System



ISO9001: Certificate of Quality Management System



直埋保温复合 塑料管

DIRECTLY BURIED THERMAL
INSULATION COMPOSITE
PLASTIC PIPE

Material: High-density polyethylene (HDPE)

Polyurethane PU foam layer,

heat-resistant polyethylene (PERT II)

Size: 25mm-630mm

Standard: CJ/T480-2015

产品特点 Advantages

Corrosion Resistance

The material has excellent chemical resistance, ensuring lifelong corrosion-free hot water delivery.

Easy Installation

The pipe is lightweight, easy to handle, and simple to install.

Connection and Sealing

Electrofusion or hot-melt connections provide excellent sealing.

Thermal Insulation

Low Thermal Conductivity: PE-RTII has a thermal conductivity of 0.4W/m.k, providing excellent thermal insulation.

Flow Loss

The smooth inner wall prevents scale buildup, ensuring no flow loss during service.

Household Metering

No corrosion or contamination, ensuring the normal operation of heat metering equipment.

Service Life

Long service life when used within the designed temperature and pressure range.

Combined Benefits

Low overall cost: Over a 50-year lifespan, it's only one-third the cost of steel pipe.

High-density polyethylene outer protective tube

Rigid polyurethane foam insulation

Work pipes

Polypropylene random copolymer (PP-R)

Type II heat-resistant polyethylene (PERT II)

β-crystalline steel-plastic composite pressure pipe (β PSP)

规格尺寸 Specification

Size	SDR17/S8	SDR13.6/S6.3	SDR11/S5	SDR9/S4
OD	Wall thickness (mm)	Wall thickness (mm)	Wall thickness (mm)	Wall thickness (mm)
DN25	/	/	2.3	2.8
DN32	/	/	3	3.6
DN40	/	/	3.7	4.5
DN50	/	/	4.6	5.6
DN63	/	4.7	5.8	7.1
DN75	4.5	5.6	6.8	8.4
DN90	5.4	6.7	8.2	10.1
DN110	6.6	8.1	10	12.3
DN125	7.4	9.2	11.4	14
DN140	8.3	10.3	12.7	15.7
DN160	9.5	11.8	14.6	17.9
DN180	10.7	13.3	16.4	20.1
DN200	11.9	14.7	18.2	22.4
DN225	13.4	16.6	20.5	25.2
DN250	14.8	18.4	22.7	27.9
DN280	16.6	20.6	25.4	31.3
DN315	18.7	23.2	28.6	35.2
DN355	21.1	26.1	32.2	39.7
DN400	23.7	29.4	36.3	44.44
DN450	26.7	33.1	40.9	50
DN500	29.7	36.8	45.4	55.56
DN560	33.2	41.2	50.8	62.22
DN630	37.4	46.3	57.2	66.67

PE-RT Heat-Resistant Water Pipe

PE-RT耐热聚乙烯管道

PE - RT pipe and fittings use ethylene octane copolymer as main materials. It is the high-temperature resistance pipe system according to CJ/ T175 - 2002.

冷热水用耐热聚乙烯管道和管件是以乙烯-辛烯共聚物为主要原料，按照CJ/ T175 - 2002生产的耐高温管道系统。

产品特点:

优异的热稳定性和长期耐压性能应用在采暖、热水系统中（可达95℃），保证使用50年以上。

柔韧性强，易于施工，施工时可盘卷和弯曲，弯曲半径小（R=50D），且不反弹。弯曲部分的应力可以很快得到松弛，避免在使用过程中由于应力集中而引起管道在弯曲处出现破坏。在低温环境下施工，无需对管材预热，施工方便，降低成本。

安全性高。低温脆裂温度可达-40摄氏度，可在低温环境下施工、运输；抵御外力撞击的能力大，防止因粗暴施工造成的系统破坏。

可热熔连接，便于安装和维修。可热熔连接，在地板辐射采暖工程中，若因外力造成管道系统破坏，可采取热熔方式对管道进行维修，方便、快捷、安全，无需更换整条采暖管。工程安装、维修成本低，性价比高。

Advantages:

Excellent thermal stability and long-term compression performance in heating, hot water system(up to 95℃), service life is more than 50 years. Flexibility, easy construction, can be coiled and bended when operating, small bending radius (R = 50D), and no rebound. The stress of bent part can get relaxation quickly, and it avoids the damage in the crook caused by stress concentration in the process of operation. The process as stress concentration caused by pipe bending failure occurred. When operating in low-temperature, pipes don't need to be preheated; so it's very easy to operate, and the cost will be reduced.

Shock resistance, high security. The low temperature of brittle cracking can reach - 40℃. Transportation and operation in low temperature are available. High ability to withstand external shock, avoid system damage caused by rough operation.

Butt fusion, easy installation and maintenance. In radiant floor heating project, if pipeline system is damaged by external force, then butt fusion can be used to maintain pipes and it's convenient, fast, and safe, don't need to change the entire pipe. The cost of installation and maintenance is low and cost performance is high.

PE-RT HEAT-RESISTANT WATER PIPE

材质: PE-RT

管系列: S6.3, S5, S4, S3.2, S2.5

规格尺寸: 16mm ~ 32mm

标准: CJ/T175-2002

颜色: 白色管, 黄色管

• Material: PE-RT

• Pipe Series: S6.3, S5, S4, S3.2, S2.5

• Size: 16mm ~ 32mm

• Standard: CJ/T175-2002

• Colors: White or yellow

应用领域 / Applications

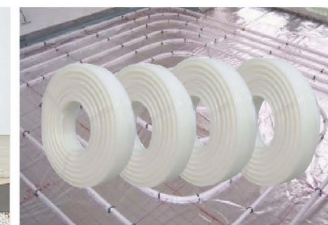
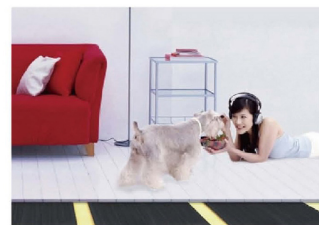
- 地面采暖系统，适用于起居室、浴室、卧室、游泳池、养老院及托儿所等采暖。
- 建筑冷水供应。
- 在食品工业中饮料、酒类、牛奶等流体输送管道。
- 其他工业管道。

• Floor heating system and it's suitable for floor heating system in bedroom and bathroom, swimming pool, nursing homes and kindergartens etc.

• Building hot and cold water supply.

• Wine, soft drink, milk and other fluid transporting pipe in food industry.

• Other industrial pipe



规格尺寸 / Specification

公称外径 dn (mm)	管系列 Pipe Series				
	S6.3	S5	S4	S3.2	S2.5
	公称壁厚en (mm)				
16	--	--	2.0	2.2	2.7
20	--	2.0	2.3	2.8	3.4
25	2.0	2.3	2.8	3.5	4.2
32	2.4	2.9	3.6	4.4	5.4

PE-RT耐热聚乙烯管道

PE-RT HEAT-RESISTANT WATER PIPE

Material: PE-RT

Pipe Series: S5, S4, S3.2, S2.5

Dimensions: 12mm ~ 160mm

Standard: GB/T 28799.2-2012

Color: White, Yellow

产品特点 Advantages

Its excellent thermal stability and long-term pressure resistance are suitable for use in heating and hot water systems (up to 95°C), guaranteeing over 50 years of service life.

It is highly flexible and easy to install. It can be coiled and bent during installation, with a small bend radius (R=500) and no rebound. Stress in the bend is quickly relaxed, preventing stress concentration and damage to the pipe during use. It can be installed in low-temperature environments, eliminating the need for preheating the pipe, making installation easier and reducing costs.

It offers high safety. Its low-temperature brittle fracture temperature can reach -40°C, allowing installation and transportation in low-temperature environments. It also offers strong resistance to external impact, preventing system damage caused by rough installation.

It can be hot-melt-connected for easy installation and maintenance. In floor radiant heating projects, if the piping system is damaged by external forces, hot-melt repairs can be performed quickly, conveniently, and safely without replacing the entire heating pipe. It also offers low installation and maintenance costs, making it highly cost-effective.

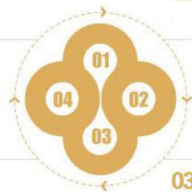
应用领域 Applications

01

Floor heating systems are suitable for heating living rooms, bathrooms, bedrooms, swimming pools, nursing homes, and nurseries.

02

Hot and cold water supply in buildings



04

Other industrial piping

03

Pipelines for transporting fluids such as beverages, alcohol, and milk in the food industry

PE-RT耐热聚乙烯管道

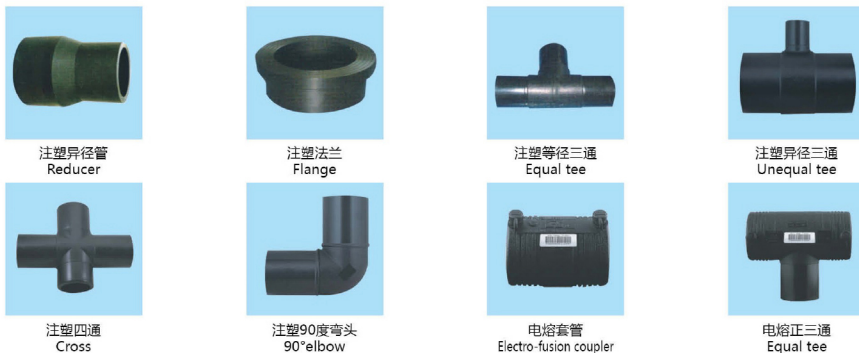
PE-RT HEAT-RESISTANT WATER PIPE

产品特点 Advantages

- Excellent thermal stability and long-term pressure resistance ensure over 50 years of service life in heating and hot water systems.
- Strong flexibility and ease of installation.
- Excellent impact resistance and high safety.
- Fully heat-connectable, easy installation and maintenance.



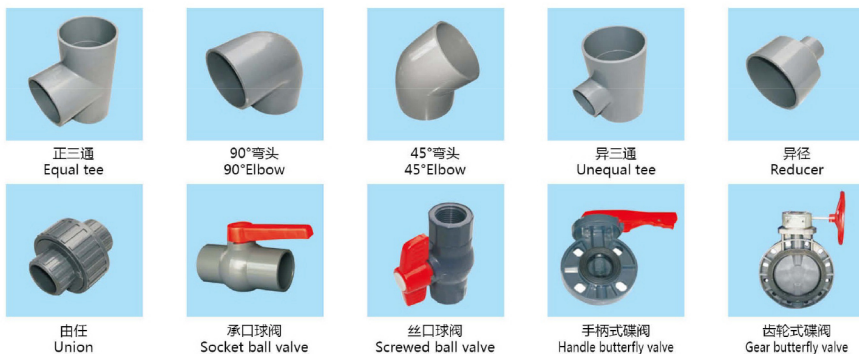
HDPE管件 (配套齐全) HDPE Pipe Fittings



PE-RT管件 (配套齐全) PE-RT Pipe Fittings



U-PVC管件 (配套齐全) U-PVC Pipe Fittings



主要工程实例

CASES OF MAJOR PROJECTS

