

**ONEADD**  
万艾德

**ONEADD**  
安全·舒适  
SECURITY·COMFORTABLE

## PE-Xa生活冷热水系统 赋予舒适安全家庭用水更多可能

The ONEADD domestic hot and cold water system  
provides more possibilities for comfortable and safe household water use

万艾德(上海)管道系统有限公司  
ONEADD (SHANGHAI) PIPING SYSTEM CO., LTD  
地址:上海漕河泾开发区松江高新产业园  
电话:021-67676880  
网站:<http://oneadd.com.cn>



ONEADD官方微信

## ONEADD生活冷热水系统

ONEADD domestic hot and cold water system



一直以来，人们总是习惯于跟随，在生活冷热水系统中，这种跟随往往附着大众选择的智慧。当金属管道逐渐被塑料管道的广泛应用所超越时，毫无悬念地预示着塑料时代的兴起，而历经多次更迭的塑料冷热水管道，也不断带给我们更多的惊喜。

90年代以前，发达国家主要采用PPR、PVC作为冷热水系统应用管道，随着科学技术的发展，PE-Xa管材已经被更广泛的应用，PE-Xa独具的优良特性，让它的发展空间更为广阔。

ONEADD提供完善、科学、严谨的生活冷热水管道系统，让舒适、节能、健康、便捷、安全等词汇成为现代化生活的代名词，通过管材、管件及配件配以灵活多样的安装方式，组成了接头少、安装方便快捷的给水管道系统。

People have always been accustomed to following. In the domestic hot and cold water system, this following is often accompanied by the wisdom of public choice. When metal pipes are gradually surpassed by the wide range of applications of plastic pipes, it unsurprisingly heralds the rise of the plastic era, and the plastic hot and cold water pipes that have undergone many changes have continued to bring us more surprises.

Before the 1990s, developed countries mainly used PPR and PVC as application pipes for cold and hot water systems. With the development of science and technology, PE-Xa pipes have been more widely used. PE-Xa's unique and excellent characteristics have allowed its development. The space is broader.

ONEADD provides a complete, scientific and rigorous domestic hot and cold water piping system, which makes comfortable, energy-saving, healthy, convenient, safe and other words synonymous with modern life. The joints are formed through pipes, fittings and accessories with flexible and diverse installation methods. A water supply piping system with less, convenient and quick installation.

# PE-Xa 生活冷热水系统设计方案

PE-Xa domestic cold and hot water system design scheme

## 三通式串联方案

Three-way series scheme

依托三通接头实现的串联冷热水系统，拥有更加成熟的系统稳定性。简洁的敷设计尽可能节省管材用量，直来直往的输水路径保证热水更快地到达用水点。适用于日常频繁使用的建筑内用水。

凭借 PE-Xa 管材柔韧的特性，极大程度降低了直接和弯头的使用数量，降低了管件漏水的风险，让串联系统舒适供水更加游刃有余。

The tandem cold and hot water system realized by the three-way joint has more mature system stability. The simple laying design saves the amount of pipes as low as possible, and the direct water delivery path ensures that the hot water reaches the water point faster. It is suitable for the water in buildings that are frequently used daily.

With the flexible characteristics of PE-Xa pipes, the number of couplers and elbows used is greatly reduced, the risk of pipe leakage is reduced, and let the series system water supply more easily.



## PE-Xa管材 PE-Xa pipe

PE-Xa管材 (PE-Xa pipe)	产品类型 product type	外径规格 Size(diameter*thickness)	管材颜色 Pipe color
	S3.2	Φ16x2.2	Red 红色
		Φ20x2.8	
		Φ25x3.5	
		Φ32x4.4	
	S5	Φ32x2.9	Natural 本色
		Φ40x3.7	
Φ50x4.6			

PE-Xa管材 (PE-Xa pipe)	产品类型 product type	外径规格 Size(diameter*thickness)	管材颜色 Pipe color
	S3.2	Φ16x2.2	Blue 蓝色
		Φ20x2.8	
		Φ25x3.5	
		Φ32x4.4	
	S5	Φ32x2.9	Natural 本色
		Φ40x3.7	
Φ50x4.6			

## 快易连接件 Quick and easy connection

快易环 (Expansion ring)	材质 Material	规格 Specification
	PE-Xa	Φ16 Φ20 Φ25 Φ32 Φ40 Φ50

异径直接 Reducing coupling	材质 Material	规格 Specification
	PPSU	Φ20x16 Φ40x32 Φ25x16 Φ50x32 Φ25x20 Φ50x40 Φ32x20 Φ32x25

直接 Coupler	材质 Material	规格 Specification
	PPSU	Φ16 Φ20 Φ25 Φ32 Φ40 Φ50

等径三通 Equal Tee	材质 Material	规格 Specification
	PPSU	Φ16 Φ20 Φ25 Φ32 Φ40 Φ50

异径三通 Reducing Tee	材质 Material	规格 Specification
	PPSU	Φ16x20x16 ~ Φ50x40x50

弯头 Elbow	材质 Material	规格 Specification
	PPSU	Φ16 Φ20 Φ25 Φ32 Φ40 Φ50

内丝弯头 emale Thread Elbow	材质 Material	规格 Specification
	黄铜 Brass	Φ16x1/2" Φ16x3/4" Φ20x1/2" Φ20x3/4" Φ25x1/2" Φ25x3/4"

带座内丝弯头 Female Thread Elbow with outlet	材质 Material	规格 Specification
	黄铜 Brass	Φ16x1/2" Φ16x3/4" Φ20x1/2" Φ20x3/4"

快易球阀 (simple ball)	材质 Material	规格 Specifications
	黄铜 Brass	Φ20 Φ25

护弯 Guard Bend	材质 Material	规格 Specifications
	ABS	Φ16 Φ20

## 分配器并联方案

### Distributor parallel scheme

利用分配器将分支管道配送至各用水点，敷设过程中无需接头，有效降低了漏水风险。

并联系统中各用水点压力、流量恒定，独立供水互不影响，在单个用水点发生故障时，也可实现单独维修，无需全屋停水。

Distributors are used to distribute branch pipes to various water points. No joints are required during the laying process, which effectively reduces the risk of water leakage.

In the parallel system, the pressure and flow rate of each water point are constant, and independent water supply does not affect each other. When a single water point fails, it can be repaired separately without the need to shut down the whole house.



## PE-Xa管材 PE-Xa pipe

PE-Xa管材 PE-Xa pipe	产品类型 Product type	外径规格 Specification	颜色 Pipe color
	S3.2	Φ16x2.2	Red 红色
		Φ20x2.8	
		Φ25x3.5	
		Φ32x4.4	
	S5	Φ32x2.9	Natural 本色
		Φ40x3.7	
Φ50x4.6			

PE-Xa管材 PE XA pipe	产品类型 Product type	外径规格 Specification	颜色 Pipe color
	S3.2	Φ16x2.2	Blue 蓝色
		Φ20x2.8	
		Φ25x3.5	
		Φ32x4.4	
	S5	Φ32x2.9	Natural 本色
		Φ40x3.7	
Φ50x4.6			

## 快易连接件 Quick and easy connection

快易环 Expansion ring	材质 Material	规格 Specification
	PE-Xa	Φ16 Φ20 Φ25 Φ32 Φ40 Φ50

弯头 Elbow	材质 Material	规格 Specification
	PPSU	Φ16 Φ20 Φ25 Φ32 Φ40 Φ50

内螺纹弯头 Female Thread Elbow	材质 Material	规格 Specification
	黄铜 brass	Φ16x1/2" Φ16x3/4" Φ20x1/2" Φ20x3/4" Φ25x1/2" Φ25x3/4"

活动式内螺纹直接 Movable internal thread coupler	材质 Material	规格 Specification
	黄铜 Brass	Φ16x1/2" Φ16x3/4" Φ20x1/2" Φ20x3/4" Φ25x3/4" Φ32x1"

带座内丝弯头 Female Thread Elbow with outlet	材质 Material	规格 Specification
	黄铜 brass	Φ16x1/2" Φ16x3/4" Φ20x1/2" Φ20x3/4"

护弯 Guard Bend	材质 Material	规格 Specification
	ABS	Φ16 Φ20

## 分集水器 Water distributor

分集水器 (单通) Water distributor (single pass)	材质 Material	外径规格 Specification
	PPSU	Φ25x16 3~8路
		Φ25x20 2~6路

分集水器 (双通) Water distributor (double pass)	材质 Material	外径规格 Specification
	PPSU	Φ25x16xΦ25 3~5路
		Φ25x20xΦ25 2~5路

## U型三通循环方案

### U-shaped three-way circulation scheme

使用U型三通连接用水点，在稳定给水的同时保证干路继续延伸至下个用水点，直至最终回到出发点，形成回路。

持续循环的活水让系统回路更加安全卫生，热水“随叫随到”，无需长时间等待。

The U-shaped three-way connection is used to connect the water point to ensure that the main road continues to extend to the next water point while stabilizing the water supply, until it finally returns to the starting point to form a loop.

Continuous circulation of running water makes the system circuits safer and more sanitary, and hot water is "on call" without long waits.



## PE-Xa管材 PE-Xa pipe

PE-Xa管材 PE-Xa pipe	产品类型 Product type	外径规格 Specification	颜色 Pipe color
	S3.2	Φ16x2.2	Red 红色
		Φ20x2.8	
		Φ25x3.5	
		Φ32x4.4	
		Φ32x2.9	
S5	Φ40x3.7	Natural 本色	
	Φ50x4.6	Natural 本色	

PE-Xa管材 PE-Xa pipe	产品类型 Product type	外径规格 Specification	颜色 Pipe color
	S3.2	Φ16x2.2	Blue 蓝色
		Φ20x2.8	
		Φ25x3.5	
		Φ32x4.4	
		Φ32x2.9	
S5	Φ40x3.7	Natural 本色	
	Φ50x4.6	Natural 本色	

## 快易连接件 Quick and easy connection

快易环 Expansion ring	材质 Material	规格 Specification
	PE-Xa	Φ16
		Φ20
		Φ25
		Φ32
		Φ40
		Φ50

等径三通 Equal Tee	材质 Material	规格 Specification
	PPSU	Φ16
		Φ20
		Φ25
		Φ32
		Φ40
		Φ50

异径三通 Reducing Tee	材质 Material	规格 Specification
	PPSU	Φ16x20x16
		Φ50x40x50

弯头 Elbow	材质 Material	规格 Specification
	PPSU	Φ16
		Φ20
		Φ25
		Φ32
		Φ40
		Φ50

U型带座内丝三通 U-shape female thread tee with outlet	材质 Material	规格 Specification
	黄铜 Brass	Φ20-1/2"-20

护弯 Guard Bend	材质 Material	规格 Specification
	ABS	Φ16
		Φ20

## PE-Xa管材

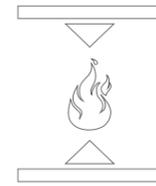
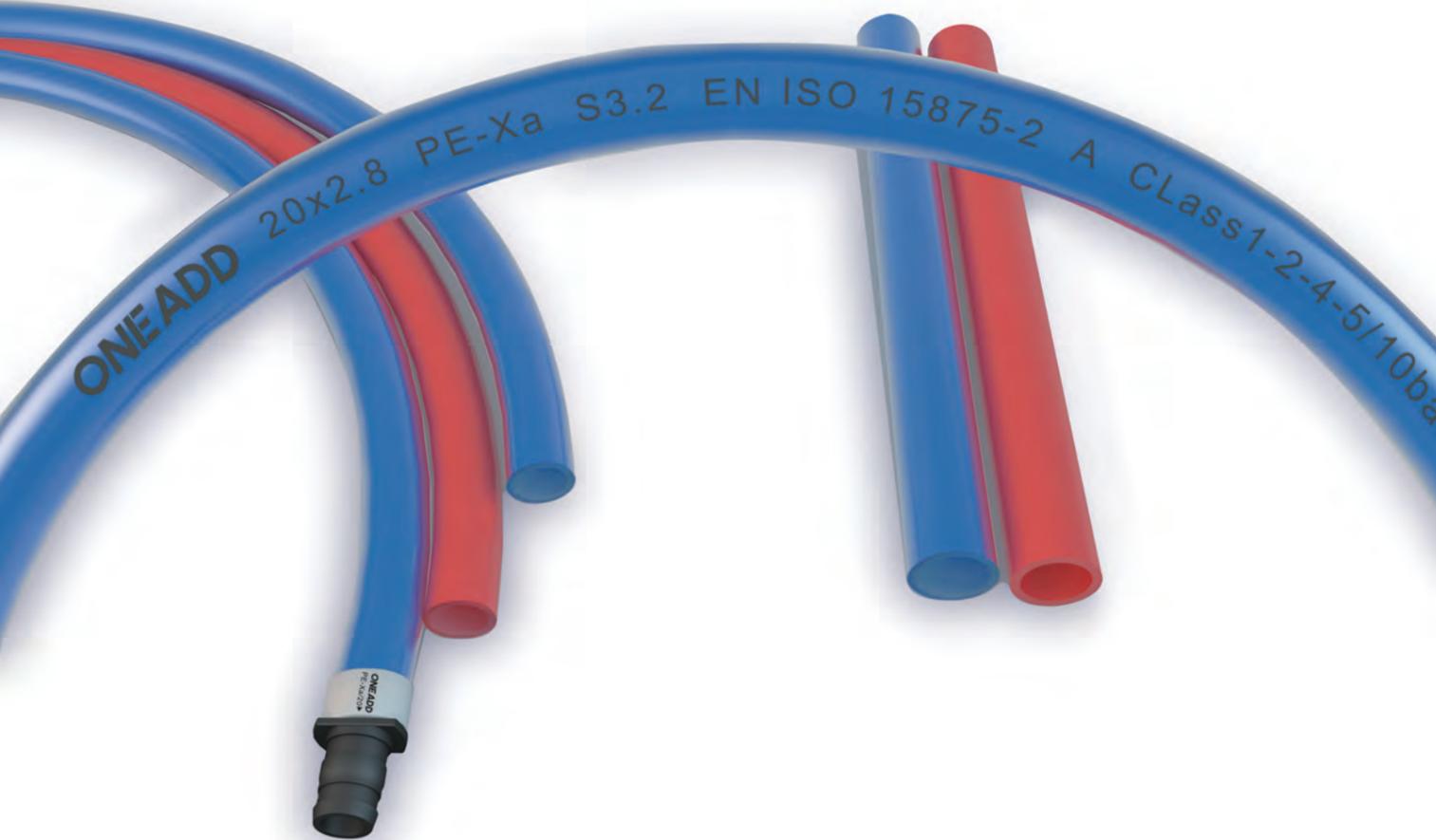
PE-Xa pipe

通过“过氧化物”“交联”，线状聚乙烯高分子转变成网状高分子，更加稳定的结构使得PE-Xa更好应对高低温与管路压力，管材适用范围更大，也更加耐用。

PE-Xa管材拥有强大的安全性能与卫生性能，已成为欧美发达国家民用、商用建筑主流冷热水系统材料。致力于PE-Xa管道研究的ONEADD公司见证了这一产品在欧美市场的快速发展。

Through "peroxide" and "crosslinking", the linear polyethylene polymer is transformed into a network polymer. The more stable structure makes PE-XA better able to cope with high and low temperature and line pressure, with a wider range of pipe applications and more durability.

PE-Xa pipe has strong safety performance and sanitary performance, and has become the mainstream cold and hot water system material for civil and commercial buildings in developed countries in Europe and America. ONEADD, which is dedicated to PE-Xa pipeline research, has witnessed the rapid development of this product in the European and American markets.



### 更优异的耐高温、耐高压性能

PE-Xa管材的耐高温、耐高压性能均高于应用于冷热水系统的PPR管材。

### Better high temperature and high pressure resistance

The high-temperature and high-pressure resistance of PE-Xa pipe is higher than that of PPR pipe used in cold and hot water system.

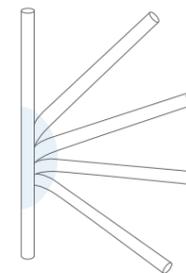


### 更出众的抗划伤、抗冻及耐磨性能

针对管壁上的细小划伤裂纹，三维立体的交联结构会迅速在被破坏部位形成保护罩，及时阻止刮痕加深，使管材更加耐磨。同时PE-Xa优良的抗冻性能，避免了PPR管材的低温脆裂现象。

### Superior scratch resistance, frost resistance and wear resistance

In view of the fine scratch crack on the pipe wall, the three-dimensional cross-linked structure will quickly form a protective cover at the damaged part to prevent the scratch deepening in time and make the pipe more wear-resistant. At the same time, PE-Xa has excellent frost resistance, which avoids the low-temperature brittle cracking of PPR pipe.



### 更强大的弹性，以及损伤复原的记忆性

拥有记忆性和弹性的管材更适合科学的机械式连接方式，标准化安装工艺，提升连接质量，简化连接过程，通过热风加热即可令死折、卷折等管道变形折伤无损复原。

### Greater elasticity and memory for damage recovery

The pipe with memory and elasticity is more suitable for scientific mechanical connection, standardized installation process, improve the quality of connection, simplify the connection process, through hot air heating can make dead broken, folded and other pipe deformation and damage recovery.

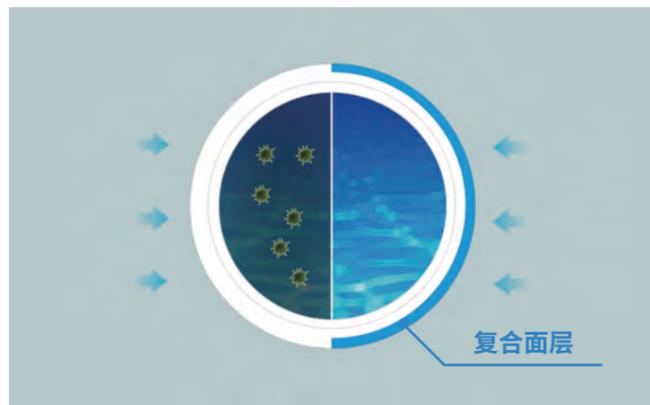


### 更严格的国际安全标准

ONEADD PE-Xa管材通过6项国际权威认证，以更高标准要求对安全健康进行考量，经受住发达国家最严苛要求的生活饮用水管道系统多年实践考验。

### Stricter international safety standards

ONEADD PE-Xa pipe has passed 6 international authoritative certifications, considering safety and health with higher standard requirements, and has withstood many years of practice test of domestic drinking water piping system with the most stringent requirements in developed countries.



## 复合遮光管材

### Composite shading pipe

ONEADD PE-Xa的复合遮光面层，有效降低管道内细菌藻类的滋生，保持水质纯净稳定，防止污垢滋生。

The complex shading surface layer of ONEADD PE-Xa can effectively reduce the breeding of bacteria and algae in the pipeline, keep the water pure and stable, and prevent the breeding of dirt.



## PPSU管件及分配器

### PPSU pipe fitting and distributor

聚苯砜树脂是一种无定形的热性塑料，具有高度透明性、高水解稳定性。连续使用温度最高可达180°C。

PPSU材质具有超高的卫生性能，常用于制作奶瓶、餐具等。同时拥有耐高温、耐高压、耐冲击、耐腐蚀的特性，保障给水系统连接更稳定，使用更安全。

Polyphenylsulfone resin is a kind of amorphous thermal plastic with high transparency and hydrolysis stability. Continuous service temperature up to 180°C.

The PPSU material has super high hygienic properties, and is often used to make milk bottles, tableware, etc. At the same time, it has the characteristics of high temperature resistance, high pressure resistance, impact resistance, and corrosion resistance, ensuring more stable connection of the water supply system and safer use.



## 快易环

### Quick and easy expansion ring

PE-Xa材质赋予ONEADD快易环良好的记忆性，在扩张后会形成强大的收缩力，为管材与管件的机械连接提供多一重保障，使得连接点更加牢固不易损坏。

PE-Xa material gives ONEADD a good memory, which will form a strong contraction force after expansion, providing an extra guarantee for the mechanical connection between pipe and pipe fitting, making the connection point more firm and not easy to be damaged.



## 配套铜件

### Supplementary Brass fitting

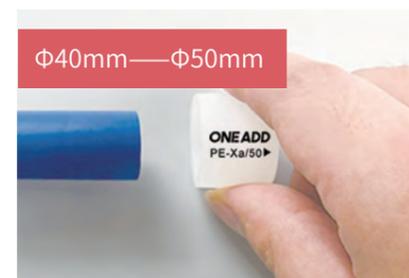
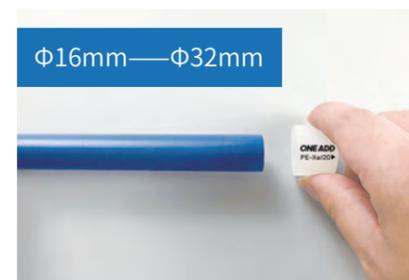
欧洲标准CW617黄铜，具有优良的耐腐蚀性、切削性、耐磨性，可以更好地应对不同用水环境，确保长久的系统寿命。

European standard CW617 brass, with excellent corrosion resistance, cutting resistance and wear resistance, can better deal with different water environment, ensure long system life.

## ONEADD快易连接技术

### ONEADD Quick and easy connection technology

- 1 将ONEADD快易环安装在切口垂直平整管材上。  
1.The ONEADD quick-expansion ring is installed on the incision vertical smooth pipe
- 2 用电动扩口工具将管材及快易环扩径。  
2.Enlarge pipe and expansion ring with electric flaring tool.
- 3 将管件插入管道—静放完成。  
3.Insert the fitting into the pipe - static finish.



我们的核心承诺是为您提供更多.....

Our core commitment is to do more for you.

