

Product main performance

Overlap-welding pipe item		Test parameter			Index		
		Temperature(℃)	Time (hour)	Pressure (MPa)	Radial force (N)	Blast pressure (MPa)	Pipe ring minimum average stripping force (N)
Pipe ring radial tension	Dn16	23±2℃ , 25±1mm wide 50±2.5mm/min Φ 4mm steel bar			2100	≥ 6.00	25
	Dn20				2400	≥ 5.00	28
	Dn25				2400	≥ 4.00	30
	Dn32				2500	≥ 4.00	35
Expanding test				1.1 times	Without degumming between inner/outer layer and metal layer, without break of inner/outer layer		
Hydrostatic strength		82	10	2.72	Without break, partly spherical expansion, leakage		

Product specification

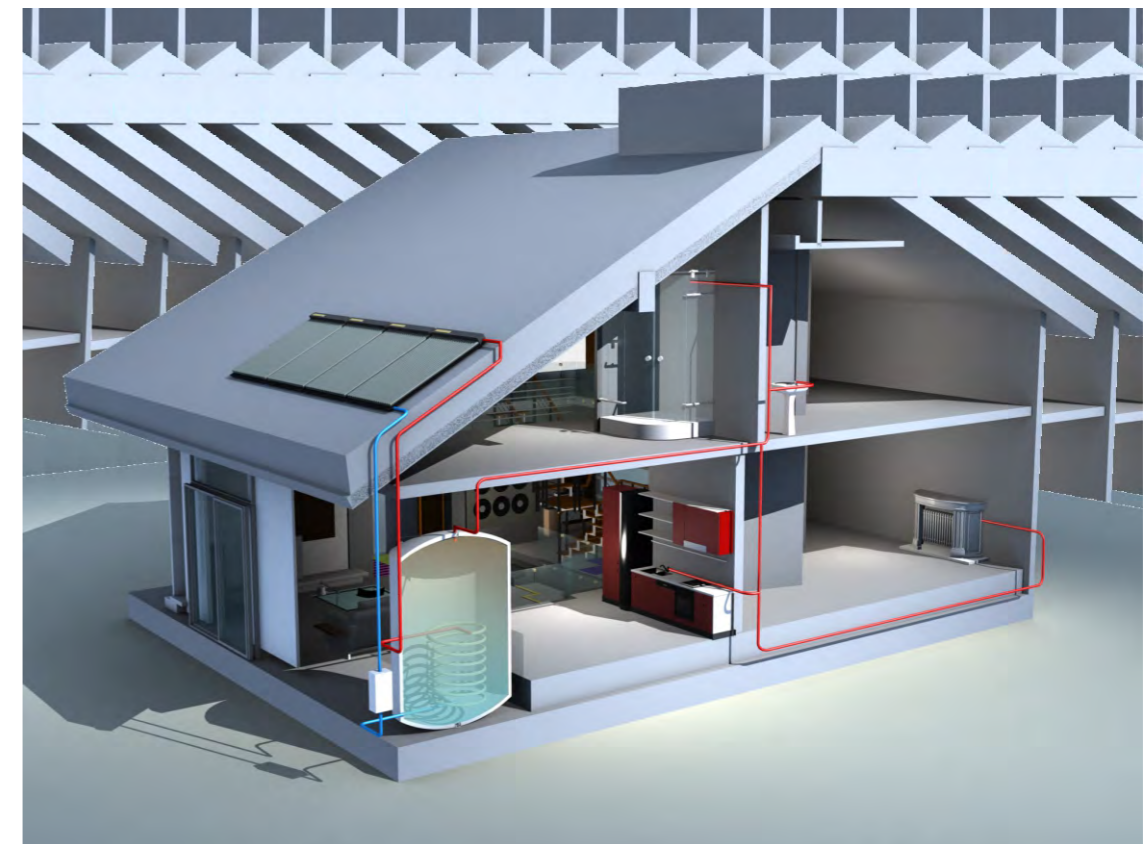
Nominal diameter (mm)	Packing length (m/pcs)
dn16	100
dn20	100
dn25	100
dn32	50

Advantage

- The main performance accord to American standard and higher than the standard. The pipe have good welding and adhesive performance, peel strength reach 60~110 N/mm, and through the 5000 times cold-hot water cycling test.
- The first manufacturer to test product long-time high temperature performance, add 3 month 80℃ hot water cycling test.


Application range

- Building cold-hot water system
- Solar energy pipeline system.
- The high temperature heating system.
- Oil wellbore of heavy oil viscosity reduction system.
- Industry pipeline system.






PERT-AL-PERT (Overlapped)


	Specification (mm)	Long-term hydrostatic (Par)	Working temperature (°C)	Working pressure(Bar)	Package (m)
	1216 * 2.0	27.2	-40~95	10	200
	1620 * 2.0	27.2	-40~95	10	200
	2025 * 2.5	27.2	-40~95	10	100
	2026 * 3.0	27.2	-40~95	10	100
	2632 * 3.0	27.2	-40~95	10	50


Product Name	Specification(mm)	Package(m)
	16X2.0 mm	200-1000
	17X2.0 mm	200-600
	20X2.0 mm	100-450
	25X3.0 mm	110/150
	26X3.0 mm	100/150
	32X3.0 mm	50





Fitting and Tools


Straight union	Specification (mm)	Package (Pc/ctn)
	16	200
	20	160
	25	80
	32	80


Back plate elbow with female thread	Specification (mm)	Package (Pc/ctn)
	16 x 1/2	100
	20 x 1/2	120
	25 x 3/4	72

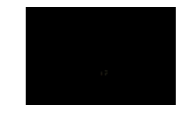
Straight Tee	Specification (mm)	Package (Pc/ctn)
	16	100
	20	80
	25	40
	32	32


Reducing elbow	Specification (mm)	Package (Pc/ctn)
	25x20	220
	32x20	140
	32x25	120


Reducing Tee	Specification (mm)	Package (Pc/ctn)
	16x20x16	100
	20x16x16	100
	20x16x20	120
	20x20x16	100
	20x25x20	80
	25x16x25	64
	25x20x20	60
	25x20x25	64
	25x25x20	60
	32x16x32	48
	32x20x25	48
	32x20x32	40
	32x25x32	40

Male joint	Specification (mm)	Package (Pc/ctn)
	16 x 1/2	240
	16 x 3/4	140
	20 x 1/2	240
	20 x 3/4	120
	25 x 1/2	120
	25 x 3/4	120
	25 x 1	100
	32 x 1	80


Reducer	Specification (mm)	Package (Pc/ctn)
	20 x 16	200
	25 x 16	140
	25 x 20	140
	32 x 20	80
	32 x 25	80

End cap	Specification (mm)	Package (Pc/ctn)
	16	400
	20	350
	25	260
	32	140

Elbow 90°	Specification (mm)	Package (Pc/ctn)
	16	180
	20	120
	25	80
	32	48

Female joint	Specification (mm)	Package (Pc/ctn)
	16 x 1/2	280
	16 x 3/4	200
	20 x 1/2	240
	20 x 3/4	160
	25 x 1/2	120
	25 x 3/4	120
	25 x 1	100
	32 x 3/4	100
	32 x 1	100

Female elbow	Specification (mm)	Package (Pc/ctn)
	16 x 1/2	200
	16 x 3/4	160
	20 x 1/2	160
	20 x 3/4	120
	25 x 1/2	100
	25 x 3/4	80
	25 x 1	64
	32 x 3/4	80
	32 x 1	52

Male elbow	Specification (mm)	Package (Pc/ctn)
	16 x 1/2	160
	16 x 3/4	140
	20 x 1/2	160
	20 x 3/4	120
	25 x 3/4	80
	25 x 1	80
	32 x 1	60