



RADIUS
Systems

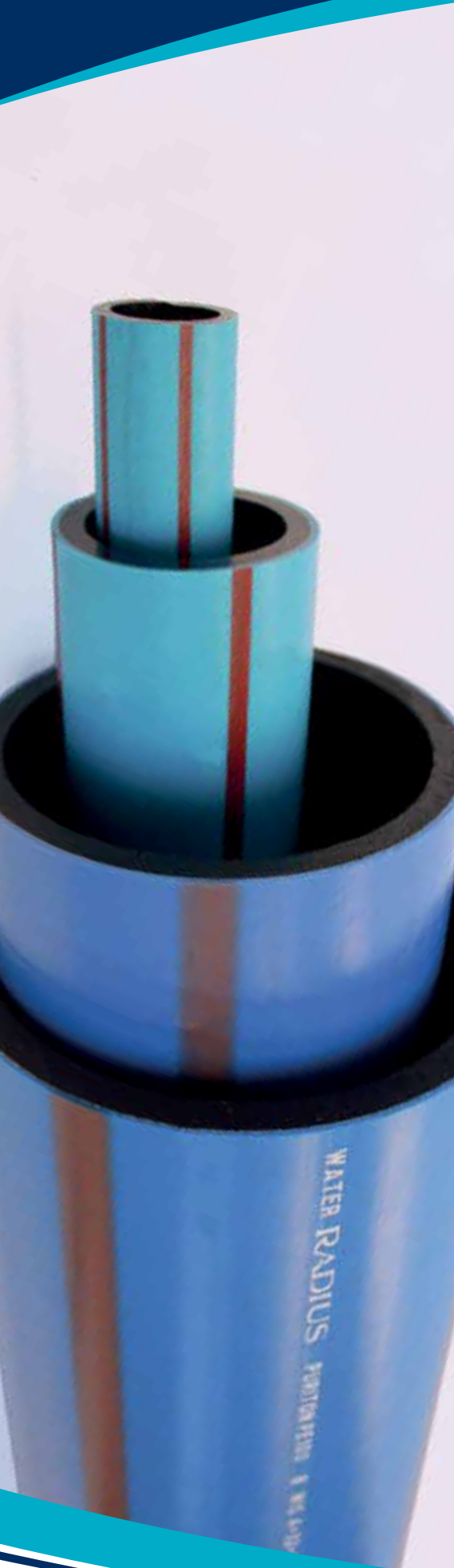
Puriton® Price List

Barrier pipe and fittings system

Protecting drinking water through contaminated land



March 2018



Puriton®

Barrier pipe & fittings system

The barrier pipe system of choice for your new or replacement drinking water supply, Puriton® is a cutting edge solution for the safe distribution of drinking water through contaminated land.

Designed to provide a high level of protection against soil contaminants commonly found in brownfield sites, Puriton® is a multi-layer composite structure pipe, which combines the unique characteristics of polyethylene (PE) with the exceptional barrier properties of aluminium (Al).

Lightweight, flexible and corrosion resistant, the Puriton® system is easy to install, without the need to post-wrap the finished joints. The pipe can be joined using most industry standard installation techniques with our comprehensive range of electrofusion and mechanical fittings, which have been specifically developed to give you assurance of a safe and durable solution which provides protection to your drinking water through contaminated land.

Benefits of the Puriton® system

- Multi-layer pipe construction PE-Al-PE
- Brown stripes denote a multi-layer pipe
- Full barrier pipe system
- Combines the flexibility of polyethylene with the barrier properties of aluminium
- Safeguards drinking water quality
- Easy to handle, flexible and lightweight
- End load resistant system
- Installation cost savings - no requirement for thrust blocks
- No requirement to post-wrap the joints
- Suitable for most common installation techniques
- Suitable for new and replacement drinking water supply systems

Product approval

- Polyethylene pipe material approved for use in drinking water supply for pipe diameters 90 to 180 mm
- WRAS approved material PE80 for pipe 25 to 63 mm
- WRAS approved product for Redman™ fittings 63 to 180 mm
- WRAS approved product for plastic mechanical fittings 25 to 63 mm
- BS EN 12201-3 (KM 597648) - Puriton® electrofusion fittings 90 to 180 mm
- KIWA UK Approved Product in compliance with UK Water Supply Regulations
 - 63 to 180 mm x 25 mm outlet tapping tees
 - 63 to 180 mm x 32 mm outlet tapping tees
- BS 8588:2017 (KM 672956) - 25 to 180 mm pipe
- WIS 4-32-19* (KM 592372) - 25 to 180 mm pipe



KM 592372
KM 597648
KM 672956

Joining methods

- BS 8588 (KM 672956) and WIS 4-32-19* (KM 592372)
 - Puriton® plastic mechanical fittings
 - Redman™ fittings
 - Puriton® electrofusion fittings
 - Puriton® gunmetal tapping tees
 - Butt-fusion in accordance with WIS 4-32-08 with maximum aluminium removal according to Radius Systems' installation guidance

* BS 8588:2017 supersedes WIS 4-32-19

Pipe

BS 8588 (WIS 4-32-19*) 'Type A' pipe

Service pipe construction PE80-AI-PE80

- SDR11: maximum operating pressure 12.5 bar



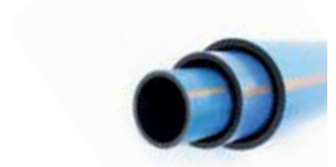
Service pipe

| Diameter mm | SDR | Product code | | | | Price £/m |
|----------------|-----|--------------|--------|--------|--------|--------------|
| | | 6 m | 25 m | 50 m | 100 m | |
| 25 | 11 | - | - | XQ2528 | - | 7.49 |
| 32 | 11 | - | - | XQ2535 | - | 9.65 |
| 63 | 11 | XQ2568 | XQ2570 | XQ2571 | XQ2572 | 26.46 |

Mains pipe construction PE100-AI-PE100

- SDR11: maximum operating pressure 16 bar

- SDR17: maximum operating pressure 10 bar



Mains pipe

| Diameter mm | SDR | Product code | | | | Price £/m |
|----------------|-----|--------------|--------|--------|--------|--------------|
| | | 6 m | 12 m | 50 m | 100 m | |
| 90 | 11 | XQ0125 | XQ0126 | XQ0128 | XQ0129 | 33.19 |
| 90 | 17 | XQ0143 | XQ0145 | XQ0146 | XQ0147 | 28.62 |
| 110 | 11 | XQ0233 | XQ0235 | XQ0236 | XQ0237 | 40.84 |
| 110 | 17 | XQ0251 | XQ0253 | XQ0254 | XQ0255 | 38.01 |
| 125 | 11 | XQ0287 | XQ0289 | XQ0290 | XQ0291 | 56.95 |
| 125 | 17 | XQ0305 | XQ0307 | XQ0308 | XQ0309 | 42.92 |
| 160 | 11 | XQ0458 | XQ0460 | XQ0461 | XQ0462 | 71.84 |
| 160 | 17 | XQ0476 | XQ0478 | XQ0479 | XQ0480 | 52.47 |
| 180 | 11 | XQ0530 | XQ0532 | XQ0534 | XQ0535 | 76.07 |
| 180 | 17 | XQ0550 | XQ0552 | XQ0554 | XQ0555 | 57.24 |

Fittings

Mechanical fittings

- Mechanical fittings for Puriton® service pipe
- Light and easy to install
- No pipe preparation required



Couplers

| Diameter mm | Pack quantity | Product code | Price £/each |
|----------------|---------------|--------------|-----------------|
| 25 | 1 | XR5244 | 8.84 |
| 32 | 1 | XR5245 | 11.65 |
| 63 | 1 | XR5251 | 41.52 |

- Corrosion free
- Fully end-load bearing jointing system
- No requirement to post-wrap the joints



Equal tees

| Diameter mm | Pack quantity | Product code | Price £/each |
|----------------|---------------|--------------|-----------------|
| 25 | 1 | XR5247 | 13.27 |
| 32 | 1 | XR5248 | 16.81 |
| 63 | 1 | XR5253 | 58.28 |

* BS 8588:2017 supersedes WIS 4-32-19

Fittings

Mechanical fittings

90° elbows



| Diameter mm | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 25 | 1 | XR5249 | 9.28 |
| 32 | 1 | XR5250 | 13.27 |
| 63 | 1 | XR5252 | 47.18 |

Reducers



| Diameter mm | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 32 x 25 | 1 | XR5246 | 14.89 |
| 63 x 25 | 1 | XR5257 | 37.67 |
| 63 x 32 | 1 | XR5254 | 44.22 |

Male adaptor



| Diameter mm | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 25 x 3/4" | 1 | XR5235 | 5.43 |
| 32 x 3/4" | 1 | XR5236 | 7.73 |
| 32 x 1" | 1 | XR5237 | 7.87 |
| 63 x 1 1/2" | 1 | XR5258 | 25.94 |
| 63 x 2" | 1 | XR5259 | 25.94 |

Female adaptor



| Diameter mm | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 25 x 3/4" | 1 | XR5240 | 6.20 |
| 32 x 3/4" | 1 | XR5241 | 7.44 |
| 32 x 1" | 1 | XR5242 | 7.48 |
| 63 x 2" | 1 | XR5260 | 29.12 |

Tooling



C ring wrenches

| Pipe diameter | Pack quantity | Product code | Price £/each |
|---------------|---------------|--------------|--------------|
| 25-32 mm | 1 | XR4998 | 9.36 |
| 63 mm | 1 | XR4999 | 46.80 |

To ensure that the barrier properties of the Puriton® system are maintained, only Puriton® fittings must be used with Puriton® pipe. The use of non Puriton® fittings may compromise the barrier properties of the system.

All prices in this document are correct at the time of publication and may be subject to change without prior notice.

Redman™ fittings

- Hydraulic compression fittings for Puriton® mains pipe and 63 mm service pipe
- Quick and easy to install
- Can be installed in wet conditions



Couplers

| Diameter mm | Pipe SDR | Pack quantity | Product code | Price £/each |
|-------------|----------|---------------|--------------|--------------|
| 63 | 11 | 1 | RE0001 | 73.52 |
| 90 | 11 | 1 | RE0002 | 102.91 |
| 90 | 17 | 1 | RE0009 | 102.91 |
| 110 | 11 | 1 | RE0003 | 151.35 |
| 110 | 17 | 1 | RE0010 | 151.35 |
| 125 | 17 | 1 | RE0005 | 230.47 |
| 160 | 17 | 1 | RE0007 | 308.60 |
| 180 | 17 | 1 | RE0047 | 322.56 |



45° elbows

| Diameter mm | Pipe SDR | Pack quantity | Product code | Price £/each |
|-------------|----------|---------------|--------------|--------------|
| 63 | 11 | 1 | RE0032 | 151.15 |
| 90 | 11 | 1 | RE0033 | 256.03 |
| 90 | 17 | 1 | RE0034 | 256.03 |
| 110 | 11 | 1 | RE0035 | 280.99 |
| 110 | 17 | 1 | RE0036 | 280.99 |
| 125 | 17 | 1 | RE0038 | 350.57 |
| 160 | 17 | 1 | RE0040 | 560.39 |
| 180 | 17 | 1 | RE0045 | 649.64 |



Flange adaptors NP16

| Diameter mm | Pipe SDR | Pack quantity | Product code | Price £/each |
|-------------|----------|---------------|--------------|--------------|
| 63 x DN50 | 11 | 1 | RE0073 | 113.61 |
| 63 x DN80 | 11 | 1 | RE0083 | 146.73 |
| 90 x DN80 | 11 | 1 | RE0074 | 149.58 |
| 90 x DN80 | 17 | 1 | RE0075 | 149.58 |
| 110 x DN100 | 11 | 1 | RE0076 | 166.10 |
| 110 x DN100 | 17 | 1 | RE0077 | 166.10 |
| 125 x DN100 | 17 | 1 | RE0079 | 232.64 |
| 160 x DN150 | 17 | 1 | RE0081 | 290.82 |
| 180 x DN150 | 17 | 1 | RE0089 | 353.02 |

Flange drilling BS 4504 NP16. Supplied with galvanised iron backing ring. Nuts, bolts, washers and gaskets not supplied.

- Corrosion free
- Fully end-load bearing jointing system
- No pipe preparation required
- No requirement to post-wrap the joints



Repair couplers

| Diameter mm | Pipe SDR | Pack quantity | Product code | Price £/each |
|-------------|----------|---------------|--------------|--------------|
| 63 | 11 | 1 | RE0065 | 177.30 |
| 90 | 11 | 1 | RE0064 | 199.61 |
| 90 | 17 | 1 | RE0067 | 199.61 |
| 110 | 11 | 1 | RE0066 | 259.26 |
| 110 | 17 | 1 | RE0069 | 259.26 |
| 125 | 17 | 1 | RE0071 | 307.81 |
| 160 | 17 | 1 | RE0078 | 527.96 |
| 180 | 17 | 1 | RE0080 | 679.50 |



90° elbows

| Diameter mm | Pipe SDR | Pack quantity | Product code | Price £/each |
|-------------|----------|---------------|--------------|--------------|
| 63 | 11 | 1 | RE0011 | 157.35 |
| 90 | 11 | 1 | RE0012 | 258.09 |
| 90 | 17 | 1 | RE0013 | 258.09 |
| 110 | 11 | 1 | RE0014 | 282.16 |
| 110 | 17 | 1 | RE0015 | 282.16 |
| 125 | 17 | 1 | RE0017 | 360.10 |
| 160 | 17 | 1 | RE0019 | 529.14 |
| 180 | 17 | 1 | RE0021 | 673.51 |



Adaptors

| Diameter mm | Pipe SDR | Pack quantity | Product code | Price £/each |
|-----------------------|----------|---------------|--------------|--------------|
| 63 x 1½" BSPF/2" BSPM | 11 | 1 | RE0123 | 81.95 |

Note: the Redman™ fittings' inserts are not interchangeable between pipe SDRs.

Electrofusion fittings

- Black PE100 material
- No requirement to post-wrap the electrofusion joint
- Pipe preparation is mandatory; the outer PE pipe and the aluminium layers are removed to effect the joint
- Dedicated tooling required to prepare the pipe. Visit our website for more details: www.radius-systems.com.



Couplers

| Diameter mm | Pack quantity | Product code 4.0 mm | Price £/each |
|-------------|---------------|---------------------|--------------|
| 90 | 1 | WA0210 | POA |
| 110 | 1 | WA0211 | POA |
| 125 | 1 | WA0212 | POA |
| 160 | 1 | WA0214 | POA |
| 180 | 1 | WA0215 | POA |



Equal tees

| Diameter mm | Pack quantity | Product code 4.0 mm | Price £/each |
|-------------|---------------|---------------------|--------------|
| 90 | 1 | WA2210 | POA |
| 110 | 1 | WA2211 | POA |
| 125 | 1 | WA2212 | POA |
| 160 | 1 | WA2214 | POA |
| 180 | 1 | WA2215 | POA |



45° elbows

| Diameter mm | Pack quantity | Product code 4.0 mm | Price £/each |
|-------------|---------------|---------------------|--------------|
| 90 | 1 | WA3318 | POA |
| 110 | 1 | WA3319 | POA |
| 125 | 1 | WA3320 | POA |
| 160 | 1 | WA3322 | POA |
| 180 | 1 | WA3323 | POA |



90° elbows

| Diameter mm | Pack quantity | Product code 4.0 mm | Price £/each |
|-------------|---------------|---------------------|--------------|
| 90 | 1 | WA3347 | POA |
| 110 | 1 | WA3348 | POA |
| 125 | 1 | WA3349 | POA |
| 160 | 1 | WA3351 | POA |
| 180 | 1 | WA3352 | POA |



Reducers

| Diameter mm | Pack quantity | Product code 4.0 mm | Price £/each |
|-------------|---------------|---------------------|--------------|
| 110 x 90 | 1 | WA4286 | POA |
| 125 x 90 | 1 | WA4289 | POA |
| 125 x 110 | 1 | WA4291 | POA |
| 160 x 110 | 1 | WA4294 | POA |
| 180 x 125 | 1 | WA4297 | POA |

To ensure that the barrier properties of the Puriton® system are maintained, only Puriton® fittings must be used with Puriton® pipe. The use of non Puriton® fittings may compromise the barrier properties of the system.

Off-take connections & spigot fittings



Tapping tees

| Diameter mm | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 63 x 25 | 1 | XR5111 | 91.99 |
| 90 x 25 | 1 | XR5112 | 100.55 |
| 110 x 25 | 1 | XR5113 | 100.55 |
| 125 x 25 | 1 | XR5114 | 100.55 |
| 160 x 25 | 1 | XR5115 | 129.83 |
| 180 x 25 | 1 | XR5116 | 129.83 |
| 63 x 32 | 1 | XR5117 | 106.64 |
| 90 x 32 | 1 | XR5118 | 113.41 |
| 110 x 32 | 1 | XR5119 | 113.41 |
| 125 x 32 | 1 | XR5120 | 113.41 |
| 160 x 32 | 1 | XR5121 | 141.43 |
| 180 x 32 | 1 | XR5122 | 141.43 |

Maximum operating pressure: 12.5 bar
Suitable for both SDR11 and SDR17 Puriton® pipe



Ferrule adaptors

| Diameter mm | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 25 x 3/4" | 1 | XR5055 | 39.11 |

Tooling



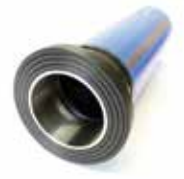
Hydraulic pump

| Description | Pack quantity | Product code | Price £/each |
|------------------------|---------------|--------------|--------------|
| Redman™ hydraulic pump | 1 | XR0211 | 654.16 |



Tapping tee T key

| Description | Pack quantity | Product code | Price £/each |
|-------------|---------------|--------------|--------------|
| 3/8" T key | 1 | XR0215 | 27.14 |



Flange adaptors

| Diameter mm | SDR | Pack quantity | Product code | Price £/each |
|-------------|-----|---------------|--------------|--------------|
| 63 x DN80 | 11 | 1 | XR0290 | 186.16 |
| 90 x DN80 | 11 | 1 | XR0291 | 217.36 |
| 90 x DN80 | 17 | 1 | XR0300 | 206.96 |
| 110 x DN100 | 11 | 1 | XR0310 | 285.79 |
| 110 x DN100 | 17 | 1 | XR0303 | 238.16 |
| 125 x DN100 | 11 | 1 | XR0311 | 385.63 |
| 125 x DN100 | 17 | 1 | XR0301 | 321.36 |
| 160 x DN150 | 11 | 1 | XR0312 | 497.95 |
| 160 x DN150 | 17 | 1 | XR0304 | 414.96 |
| 180 x DN150 | 11 | 1 | XR0313 | 560.35 |
| 180 x DN150 | 17 | 1 | XR0302 | 466.96 |

Flange drilling BS 4504 NP16. Supplied with Rilsan coated backing ring. Nuts, bolts and gaskets are not supplied.



Hydraulic oil

| Description | Pack quantity | Product code | Price £/each |
|-------------------------------------------------------|---------------|--------------|--------------|
| Biodegradable hydraulic oil for Redman™ pump 5 litres | 1 | XR0212 | 47.84 |

Radius Systems

Radius Systems are a market leader in the innovation and manufacture of plastic pipe systems for the utilities and construction industries. With extensive research and development at the heart of our products and systems, we take care of the entire pipe life cycle - from design and manufacture through to installation, repair and rehabilitation. We strive to improve industry practices, with good health and safety policies at the forefront of our philosophy of 'getting it right first time'. Our continuous customer inspired research and development, combined with successful customer partnerships represent our total dedication to the plastic piping industry.

○ Manufacturing facilities

With 2 production sites in the UK, we have complete control over quality and the ability to meet the expectations of our customers.

○ Innovative approach

We are leaders in our field with a history of research and new product development. Practicality, durability and adaptability are all high on our agenda to meet our clients' needs.

○ Flexible product and service provision

Our comprehensive range of services is designed to fit the variable demands of our clients' developments in pipes, fittings, training and support services.

○ Reliability and safety

With over 50 years experience of design and manufacture, our clients know that they can count on us to meet not just their product and service needs, but also their delivery and safety requirements.

○ Outstanding customer service

We have a dedicated Customer Services team to answer queries from our customers in the UK and overseas. Our service is not just about the delivery of products - contact our team if you have a product or installation enquiry or a post-delivery query.



For more information please visit our website:
www.radius-systems.com or contact us:

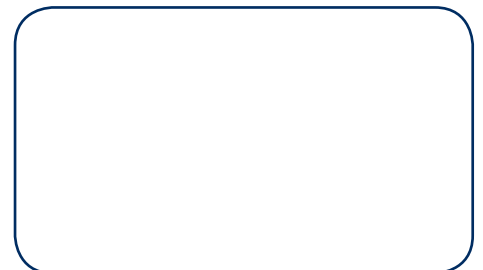
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