



**RADIUS**  
*Systems*

# **PURITON® BARRIER PIPE AND FITTINGS SYSTEM**

**PRICE LIST  
MAY 2022**



# PURITON<sup>®</sup> BARRIER PIPE

The 21st century pipe system  
for contaminated land.



With its multi-layer composite structure, Radius Systems Puriton® pipe brings together the unique flexibility of polyethylene (PE) with the exceptional barrier properties of aluminium (Al), giving you the assurance of a durable pipe solution for the safe distribution of drinking water through contaminated land.

Lightweight, flexible, corrosion resistant and easy to install our Puriton® pipe is joined using our range of approved mechanical, Redman™ or electrofusion fittings as well as the butt-fusion technique for Puriton® pipe 90mm and above, without the need to post-wrap the finished joint.

## Features and Benefits

- Multi-layer pipe construction PE-Al-PE
- 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 new and replacement drinking water supply systems
- Brown stripes denote a multi-layer pipe construction

## Approvals

- Approved under regulation 31 of the Water Supply (Water Quality) Regulations 2000 for pipe diameters 90 to 180mm (Approval number DWI 56.4.1112)
- WRAS approved material PE80 for pipe diameters 25 to 63mm (Approval number 1610528)
- BS 8588:2017 approval for pipe diameters 25 to 180mm (Approval number KM 672956)



Puriton® is joined using the following methods as specified in BS8588 certificate KM672956

- Puriton® plastic mechanical fittings
- Redman™ fittings
- Puriton® electrofusion fittings
- Puriton® gunmetal tapping tees
- Butt-fusion in accordance with WIS 4-32-08

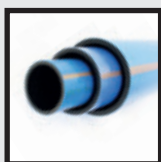
# Puriton® pipe for water



## Puriton® service pipe

Service pipe construction PE80-Al-PE80  
- SDR11: maximum operating pressure 12.5 bar

Diameter mm	SDR	Product code				Price each
		6m	25m	50m	100m	
25	11	-	-	XQ2528	-	£10.62
32	11	-	-	XQ2535	-	£13.68
63	11	XQ2568	XQ2570	XQ2571	XQ2572	£37.51



## Puriton® mains pipe

Mains pipe construction PE100-Al-PE100  
- SDR11: maximum operating pressure 16 bar  
- SDR17: maximum operating pressure 10 bar

Diameter mm	SDR	Product code				Price each
		6m	12m	50m	100m	
90	11	XQ0125	XQ0126	XQ0128	XQ0129	£47.06
90	17	XQ0143	XQ0145	XQ0146	XQ0147	£40.59
110	11	XQ0233	XQ0235	XQ0236	XQ0237	£57.89
110	17	XQ0251	XQ0253	XQ0254	XQ0255	£53.90
125	11	XQ0287	XQ0289	XQ0290	XQ0291	£80.74
125	17	XQ0305	XQ0307	XQ0308	XQ0309	£60.85
160	11	XQ0458	XQ0460	XQ0461	XQ0462	£101.85
160	17	XQ0476	XQ0478	XQ0479	XQ0480	£74.38
180	11	XQ0530	XQ0532	XQ0534	XQ0535	£107.83
180	17	XQ0550	XQ0552	XQ0554	XQ0555	£81.15

# Mechanical fittings

## 25 - 63mm



### Couplers

Diameter mm	Pack quantity	Product code	Price each
25	1	XR5244	£11.79
32	1	XR5245	£15.54
63	1	XR5251	£55.39



### Equal tees

Diameter mm	Pack quantity	Product code	Price each
25	1	XR5247	£17.70
32	1	XR5248	£22.43
63	1	XR5253	£77.76



### 90° elbows

Diameter mm	Pack quantity	Product code	Price each
25	1	XR5249	£12.39
32	1	XR5250	£17.70
63	1	XR5252	£54.94

# Mechanical fittings

## 25 - 63mm



### Reducers

Diameter mm	Pack quantity	Product code	Price each
32 x 25	1	XR5246	£19.87
63 x 25	1	XR5257	£50.28
63 x 32	1	XR5254	£59.01



### End caps

Diameter mm	Pack quantity	Product code	Price each
25	1	XR5261	£11.16
32	1	XR5262	£15.34



### Male adaptors

Diameter mm	Pack quantity	Product code	Price each
25 x 3/4"	1	XR5235	£7.26
32 x 3/4"	1	XR5236	£10.31
32 x 1"	1	XR5237	£10.50
63 x 1 1/2"	1	XR5258	£34.61
63 x 2"	1	XR5259	£34.61



## Female adaptors

Diameter mm	Pack quantity	Product code	Price each
25 x 3/4"	1	XR5240	£8.26
32 x 3/4"	1	XR5241	£9.92
32 x 1"	1	XR5242	£9.98
63 x 2"	1	XR5260	£38.86



# Redman™ fittings

## 63 - 180mm



### Couplers

Diameter mm	SDR	Pack quantity	Product code	Price each
63	11	1	RE0001	£90.00
90	11	1	RE0002	£125.98
90	17	1	RE0009	£125.98
110	11	1	RE0003	£185.28
110	17	1	RE0010	£185.28
125	11	1	RE0004	£287.79
125	17	1	RE0005	£282.15
160	17	1	RE0007	£377.78
180	11	1	RE0008	£402.82
180	17	1	RE0047	£394.89



### Repair couplers

Diameter mm	SDR	Pack quantity	Product code	Price each
63	11	1	RE0065	£217.05
90	11	1	RE0064	£244.36
90	17	1	RE0067	£244.36
110	11	1	RE0066	£317.39
110	17	1	RE0069	£317.39
125	17	1	RE0071	£376.82
160	17	1	RE0078	£646.34
180	17	1	RE0080	£831.86





## 90° elbows

Diameter mm	SDR	Pack quantity	Product code	Price each
63	11	1	RE0011	£192.63
90	11	1	RE0012	£315.96
90	17	1	RE0013	£315.96
110	11	1	RE0014	£345.43
110	17	1	RE0015	£345.43
125	17	1	RE0017	£440.84
160	17	1	RE0019	£647.79
180	17	1	RE0021	£824.52



## 45° elbows

Diameter mm	SDR	Pack quantity	Product code	Price each
63	11	1	RE0032	£185.03
90	11	1	RE0033	£313.44
90	17	1	RE0034	£313.44
110	11	1	RE0035	£343.99
110	17	1	RE0036	£343.99
125	17	1	RE0038	£429.17
160	17	1	RE0040	£686.03
180	17	1	RE0045	£795.29

# Redman™ fittings

## 63 - 180mm



### Flange adaptors NP16

Diameter mm	SDR	Pack quantity	Product code	Price each
63 x DN50	11	1	RE0073	£139.07
63 x DN80	11	1	RE0083	£179.63
90 x DN80	11	1	RE0074	£183.13
90 x DN80	17	1	RE0075	£183.13
110 x DN100	11	1	RE0076	£203.35
110 x DN100	17	1	RE0077	£203.35
125 x DN100	11	1	RE0084	£296.65
125 x DN100	17	1	RE0079	£284.81
160 x DN150	17	1	RE0081	£356.01
180 x DN150	11	1	RE0087	£440.84
180 x DN150	17	1	RE0089	£432.18



### Adaptors

Diameter mm	SDR	Pack quantity	Product code	Price each
63 x 1½" BSPF /2" BSPM	11	1	RE0123	£100.32

# Electrofusion fittings

## 90 - 180mm



### Couplers

Diameter mm	Pack quantity	Product code	Price each
90	1	WA0210	£13.72
110	1	WA0211	£22.42
125	1	WA0212	£25.14
160	1	WA0214	£42.26
180	1	WA0215	£46.85



### 45° elbows

Diameter mm	Pack quantity	Product code	Price each
90	1	WA3318	£32.80
110	1	WA3319	£42.53
125	1	WA3320	£58.78
160	1	WA3322	£127.58
180	1	WA3323	£136.51



### 90° elbows

Diameter mm	Pack quantity	Product code	Price each
90	1	WA3347	£31.51
110	1	WA3348	£41.88
125	1	WA3349	£51.45
160	1	WA3351	£127.58
180	1	WA3352	£136.51

# Electrofusion fittings

## 90 - 180mm



### Equal tees

Diameter mm	Pack quantity	Product code	Price each
90	1	WA2210	£43.94
110	1	WA2211	£56.69
125	1	WA2212	£74.89
160	1	WA2214	£123.49
180	1	WA2215	£163.46



### Reducers

Diameter mm	Pack quantity	Product code	Price each
110 x 90	1	WA4286	£46.21
125 x 90	1	WA4289	£44.37
125 x 110	1	WA4291	£73.43
160 x 110	1	WA4294	£78.25
180 x 125	1	WA4297	£81.71

# Off-take connections



## Tapping tees

Diameter mm	Pack quantity	Product code	Price each
63 x 25	1	XR5111	£122.76
90 x 25	1	XR5112	£134.17
110 x 25	1	XR5113	£134.17
125 x 25	1	XR5114	£134.17
160 x 25	1	XR5115	£173.26
180 x 25	1	XR5116	£173.26
63 x 32	1	XR5117	£142.31
90 x 32	1	XR5118	£151.34
110 x 32	1	XR5119	£151.34
125 x 32	1	XR5120	£151.34
160 x 32	1	XR5121	£188.71
180 x 32	1	XR5122	£188.71

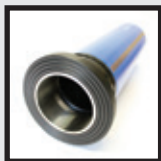


## Ferrule adaptors

Diameter mm	Pack quantity	Product code	Price each
25 x 3/4"	1	XR5055	£52.19

# Fabricated fittings

## 90 - 180mm



### Flange adaptors NP16

Diameter mm	SDR	Pack quantity	Product code	Price each
63 x DN80	11	1	XR0290	£248.41
90 x DN80	11	1	XR0291	£290.04
90 x DN80	17	1	XR0300	£276.17
110 x DN100	11	1	XR0310	£381.36
110 x DN100	17	1	XR0303	£317.80
125 x DN100	11	1	XR0311	£514.59
125 x DN100	17	1	XR0301	£428.82
160 x DN150	11	1	XR0312	£664.46
160 x DN150	17	1	XR0304	£553.71
180 x DN150	11	1	XR0313	£747.73
180 x DN150	17	1	XR0302	£623.10



## C ring wrenches

Diameter mm	Pack quantity	Product code	Price each
25 - 32	1	XR4998	£12.49
63	1	XR4999	£62.46



## Hydraulic pump

Description	Pack quantity	Product code	Price each
Redman™ fittings hydraulic pump	1	XR0211	POA



## Biodegradable hydraulic oil

Description	Pack quantity	Product code	Price each
Hydraulic oil for Redman™ pump 5 litres	1	XR0212	£58.57



## Tapping tee key

\*T Key product supplied may differ from the one pictured

Description	Pack quantity	Product code	Price each
3/8" T key for SDR 11	1	XR0220	POA
3/8" T Key for SDR 17	1	XR0215	£36.21



# 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 our customers' expectations.
- **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 50 years experience in pipe 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.
- **Great 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](http://www.radius-systems.com)





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