

Item	Manufacturer	Size	Description	Part no.
Standard PE Pipe	GPS	20mm, 25mm, 32mm. 50mm, 63mm	Blue/New Blue PE80, SDR11 MDPE, 12.5 Bar, in 25m/ 50m/ 100m/ 150m coils	
Standard PE Pipe	GPS	90mm, 110mm, 125mm, 160mm 180mm	Blue/New Blue, PE100, SDR17, 10 bar, HPPE, to WIS Spec 4-32-03, coils	
Standard PE Pipe	GPS	90mm, 110mm, 125mm, 160mm 180mm, 225mm, 250mm, 280mm, 315mm, 355mm, 400mm, 450mm, 500mm, 560mm, 630mm, 710mm, 800mm, 900mm, 1000mm.	Blue/New Blue, PE100, SDR17, 10 bar, HPPE, to WIS Spec 4-32-03, 6 + 12m sticks	
PE Barrier Pipe for contaminated ground	GPS	25mm, 32mm, 63mm	Blue PE80, SDR11, 12.5 bar, Protecta-Line MDPE	
PE Barrier Pipe for contaminated ground	GPS	90mm, 110mm, 125mm, 160mm, 180mm, 225mm, 250mm, 280mm, 315mm, 355mm.	Blue/New Blue, PE100, SDR17, 10 bar, HPPE, Protecta-Line	
PE Stub Flange Puppied	GPS	63mm	PE80, SDR11 HPPE, 50mm Rilsan coated backing plate, NP16, to WIS Spec 4-31-04, Blue/Black, 16 bar	
PE Stub Flange Puppied	GPS	90mm, 110mm, 125mm, 160mm, 180mm	PE100 SDR11 HPPE, Rilsan coated backing plate, NP16, to WIS Spec 4.31-04, Blue/Black 16 bar	
PE Stub Flange Puppied	GPS	90mm, 110mm, 125mm, 160mm, 180mm	PE100 SDR17 HPPE, Rilsan coated backing plate, NP16, to WIS Spec 4-31-04, Blue/Black, 16 bar	
PE Slim Flange Puppied	GPS	225mm, 250mm, 280mm, 315mm, 355mm, 400mm, 450mm, 500mm, 560mm	PE100 SDR11 HPPE, Rilsan coated backing plate, NP16, to WIS Spec 4-31-04. Blue/Black, 16 bar	
PE Slim Flange Puppied	GPS	225mm, 250mm, 280mm, 315mm, 355mm, 400mm, 450mm, 500mm, 560min	PE100 SDR17 HPPE, Rilsan coated backing plate, NP16, to WIS Spec 4-31-04 Blue/Black, 16 bar	
PE Puppied Flange Branch Tee	GPS	125mm with 80mm/100mm, 180mm with 80mm/100mm/150mm, 250mm with 80mm/150mm	Blue, SDR11 HPPE, with Rilsan coated backing ring NP16, to WIS Spec 4-32-04, 16 bar	
PE Puppied Bend/Elbow	GPS	90mm, 110mm, 125mm, 160mm, 180mm, 225mm, 250mm, 315mm, 355mm.	PE100 SDR11 HPPE, 11.25, 22.5 degree, 45 degree, 90 degree, 16 bar	
PE Puppied Bend/Elbow	GPS	250mm	PE100 SDR17 HPPE, 90 degree, 16 bar, Blue, to WIS Spec 4-32-04	
PE Plain Spigot Bend / Elbow	GPS	90mm, 110mm, 125mm, 160mm, 180mm, 225mm, 250mm, 315mm, 355mm	PE100 SDR11 HPPE, 11.25, 22.5 degree, 45 degree, 90 degree, 16 bar	
PE Plain Spigot Bend / Elbow	GPS	180mm, 315mm, 355mm	PE100 SDR17 HPPE, 22.5 degree, 45 degree, 90 degree, 16 bar	
PE Mitred Bend	GPS	90mm, 110mm, 125inrn, 160mm, 180mm, 225mm, 250mm, 280mm, 315mm, 355mm, 400mm, 450mm, 500mm, 560mm, 630mm	HPPE Blue or Black, SDR17, 90 degree, 45 degree. 22.5 degree, 11.25 degree	
Electro fusion Collar / Coupling	GPS	20mm, 25mm, 32mm, 63mm, 90mm, 110mm. 125mm, 160mm, 180mm, 225mm, 250mm, 280mm, 315mm, 450mm, 500mm	HPPE to WIS Spec 4-32-04, Blue/Black, 16 bar	
Electro fusion Collar / Coupling	GPS	355mm, 400mm, 450mm, 500mm, 560mm, 630rnm	HPPE, to WIS Spec 4-32-04, Blue/Black, 10 bar	

Item	Manufacturer	Size	Description	Part no.
Electro fusion Socket Tee	GPS	63mm, 90mm, 110mm, 125mm, 160mm, 180mm	Blue/Black, 16 bar, plain end branch 39.5 volt to WIS Spec 4- 32-04	
Electro fusion Socket Flanged Branch Tee	GPS	90mm, 110mm, 125mm, 160mm, 180mm	Blue/Black, 16 bar 39.5 volt to WIS Spec 4-32-04	
Electro fusion Elbows	GPS	25mm, 32mm, 63mm, 90mm, 110mm, 125mm, 160mm, 180mm	Blue/Black. 16 bar 39.5 volt to WIS Spec 4-32-04	
Tapping Saddle - Electro fusion	GPS / Fusion	63mm, 90mm. 110mm, 125mm. 160mm, 180mm, 225-315mm. 250mm, 315mm, 355mm (with 25mm/32mm/63mm)	MDPE, Electro fusion multi-seal. 16 bar 39.5 volt to WIS Spec 4-32-04	
Ferrule Strap for use with Barrier Pipe	GPS	63mm, 90mm, 110mm, 125mm, 160mm, 180mm, 225mm, 250mm, 280mm, 315mm, 355mm with 25mm outlet and 32mm outlet	Sell Tapping Gun metal Ferrule Off-Takes	
Reducer - Electro fusion	GPS	32mm, 63mm, 90mm, 110mm, 125mm, 160mm, 180mm	Blue/Black. 16 bar 39.5 volt to WIS Spec 4-32-04	
Taper - Ductile Double Flanged	Saint GoBain	Various sizes	to EN545 flanges NP16, Blue epoxy coated to BS6920 coated class A internally and class B externally	
Sluice Valves	AVK	80mm,100mm,150mm,200mm.250mm, 300mm	Soft faced NP16,cap top clockwise close 1. Valves shall comply with BS EN 1074-1 and 2.	EKO Plus Type B
Sluice Valves	Industrial Valves Ltd	350mm. 400mm, 450mm, 500mm, 600mm, 700mm, 800mm, 900mm	Metal faced NP16 . cap top clockwise close	
Hydrant/Wash out	AVK		Squat Underground fire Hydrant, PN16. Type 2, clockwise closing, 2 1/2 'round threaded, stainless steel outlet, Kitemarked. All permanent hydrants/washouts must have fixed stoppers.	29/288
Hydrant Tee Kit - Electro fusion	GPS	90mm, 125mm, 180mm	Electrofusion Tee. Electro fusion Coupler, Papped Flange, Nuts, Bolts, Washers + Gaskets	
Hydrant Tee Kit	Radius Systems Ltd	90mm, 125mm. 180mm+	Electro fusion Tee, Electro fusion Coupler. Papped Flange Nuts, Bolls, Washers + Gaskets	
Tee - Ductile All Flanged	Saint GoBain	Various sizes	To EN545 flanges NP16, Blue epoxy coated to BS6920, coated class A internally and class B externally.	
Tee - Equal Electro fusion	GPS	63mm, 75mm, 90mm, 125mm, 180mm	Blue, MDPE/HPPE to WIS 4-32-14	
Tee - tor contaminated ground	GPS	25mm, 32mm, 63mm	Protecta-Line (mechanical compression)	
Tee - Gunmetal	Talis	Various sizes	Gunmetal 1", 1/2", 3/4" bsp taper thread	
Duckfoot 90 Degree Bend - Ductile	Saint Gobain	Various sizes	To EN545 flanges NP16, Blue epoxy coated to BS6920, coated class A internally and class B externally	
Duckfoot Bend Kit - Electro fusion	Radius Systems Ltd	63mm, 90mm. 125mm, 180mm	Consisting of electro fusion duckfoot bend, spigot reducer, papped flange, nuts, bolts, washers, and gaskets.	

Item	Manufacturer	Size	Description	Part no.
Chamber sections	Pipeline and Drainage Systems	380mm x 230mm x 125mm clear opening. 600mm x 450mm x 100mm and 900mm x 600mm x 100mm clear opening.	Recycled plastic. Chambers must be suitable for use in the highway and must comply with the vertical load force in BS5834. Part C and EN125 class D400.	
Chamber covers	Saint Gobain	380mm x 230mm, 125mm clear opening Badged FH, Water, WO	Warrior Ductile Iron box Heavy duty non rocking Grade A	
Chamber covers	Saint Gobain	150mm x 150mm x 225mm Cover and Frame Badged SV	Warrior Ductile Iron box Heavy duty non rocking Grade A	
Cover and Frame	Saint Gobain	600mm x 450mm x 100mm and 900mm x 600mm x 100mm Clear opening	Ductile iron Heavy duty hinged type 3 part cover D400 Optemax cover	
Standard manifold/box	Talis		Atplas integral multimaniifold 63mmF by 4 or 6 x 25mm PF US RSSV TPSS FFP (screwdown). or PF US MIDI RSSV TPL FFP (quarter turn)	MUL01166 or MUL01189 (4-way), MUL01167, MUL01190(6-way)
Single Boundary Box for contaminated ground	Talis		Ebco sealed contaminated ground GM meter box 3/4" Spherical valve base GM manifold with telescopic tube DC. complete with female inlet and outlet.	MBB2010
Single Boundary Box	Talis	25mm Outlet and 32mm Outlet	Integral tilting head, square swivel plate, tethered pluck out lid, Talbot Matrix, pushfit connections 25mm/32mm semi-sealed	INT01286 or INT01185 (25mm), INT01287 or
Manifold for contaminated ground	Talis		Multi Manifold unit with 4 or 6 x crutch-head meter valves and 3/4" female thread FFP, semi-sealed. (Requires Pipeline & Drainage System 600mm x 450mm chamber section and Saint Gobain Cover & Frame)	MANI411 or 611
Wall-mounted meter box	Groundbreaker Systems		Groundbreaker wall box mk 3	
Wall-mounted meter box	Ultratape	25mm outlet	Atplas Intex 2	
Warning mesh incorporating trace wire	Frazers		Warning mesh blue "warning water pipe below, 20cm wide in 100m roll with integral tracer wire	
Warning mesh incorporating trace wire	Frazers		Blue Detectamesh with 'Caution water main below'. 200mm x 100m	01674
Trace wire for services	Fiberweb		Single or multi stranded blue plastic coated to BS6491	
Aluminium joint Wrap	Flowstrip		Tape foil wrapping 100mm wide X 50m long 75 micron aluminium foil tape	

Item	Manufacturer	Size	Description	Part no.
Petroleum Joint Wrap for contaminated ground	Winn & Coates (Denso) Ltd		Denso paste Densotape 100mm and 300mm wide	
Small Concentric meters for customer supplies	Elster	15mm, 20mm	Polymer Volumetric, pulse equipped class D with direct read 5 wheel. Glass/copper register, National weights & measures approved, Stamping required.	V210P
Medium Inline meters for customer supplies	Elster	25mm, 40mm	Brass Meter	V100
Larger Inline meters for customer supplies	Sensus	50mm, 80mm, 100mm, 150mm	Mainstream Plus. Direct read register, NP16 flange, with "A" pressure tapping in place.	
Internal Meter & Radio Frequency Unit	Itron	DN 15 Manifold fitting Polymer	Aquadis4 Frequency 0N15 Manifold Meter & Radio Frequency Unit	
Meters for WWM complexes	Sensus	50mm, 80mm, 100mm, 150mm	Meistream Direct read register, NP16 flange, with "A" pressure tapping in place.	
Strainers	Sensus	50mm - 150mm	WP— F Dynamic Protection Sieve	
Pressure-reducing valves	Cla-Val	50mm, 80mm, 100mm. 150mm	Flanged. Full internal port.	90GE-01
Gaskets/Joint rings	FWB	EPDM	Gaskets 3mm thick & suit NP16 flanges of the range 50mm - 600mm. All gaskets for NP25 Flanges should be 80 Shore-hardness. Supplied in one profile type and diameter range: FULL FACE (Full Flange Face) 50mm - 600mm diameter.	
Joint Set	FWB Products		Complete with EPDM full face joint ring and nuts, bolts and washers. Rilsan coated.	
Meterfit Chamber Mark VII	Waterfit Ltd	25mm secure pushfit, 3/4"	All plastic chamber with ABS manifold, non return valve 90 degree turn ball valve, for all standard 1 1/2" concentric meters. Push in base. WIS 4-37-01	
Meterfit Chamber Mark III	Waterfit Ltd	3/4" Female Iron connections	Gunmetal manifold chamber, non-return calce, rise and fall crutch head, for all standard 1 1/2" concentric meters. WIS 4-37-01	
Meterfit Combined Top Hat & Lid	Waterfit Ltd	Clear opening 135mm, 150mm, 180mm.	Used wherever a meterfit meter chamber has been installed. Polyethylene body with plastic/ ductile iron lid. BS5834 Part 2 Class C Load Bearing.	

Item	Manufacturer	Size	Description	Part no.
Flanged Gate Valve Series 21	AVK	50mm, 80mm, 100mm, 150mm, 200mm, 250mm, 300mm, 350mm, 400mm	BS EN 5163 & BS EN 1074-1 and 2. Full traceability. Fusion bonded epoxy coating, 250 inline with WIS 04-52-01 Class B. Countersunk bonnet bolts sealed with hot-melt. Body bonnet ductile iron. PN16 rated as standard. Stainless steel spindle to BS EN 10088-1 Grade 1.4021.	

Bristol Water will only permit self-laid mains and services to be connected to our network if they have been installed using materials which conform to the standards we require. Consideration will also be given to whether Bristol Water stocks the relevant parts and holds the relevant expertise to allow us to repair or maintain the items in the future. A wide range of materials will be acceptable; the following is a list of just some of them.

Items on this list used in the appropriate situations, will be accepted by the company without question. SLPs wishing to use items that do not appear on this list will need to submit full details of the item (manufacturer, name, part number, full technical specification) to allow us to verify that the item is acceptable. The approval of an item may take several months.

The list is correct at the date shown above. Items may be added to it - as and when requests to use items are received and approved, or we become aware of additional items that are appropriate - and also removed from it, at any time. Please check our website for the most up to date list prior to submitting your Self Lay Application.

This list only covers self-laid pipework and fittings that are to be transferred into Bristol Water's ownership. Pipework and fittings that will belong to the property owner need only be approved by the Water Regulations Advisory Scheme (WRAS) for the situation in which they are to be used.

**\*Any additional fittings not listed please confirm with Bristol Water before installing\***