

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

# MAINS

**For Mains up to DN 375**

**(but also includes authorisation of some  
larger sizes pipes and fittings considered suitable  
for trunk main applications)**

***ALL MINOR ITEMS NOT COVERED IN DETAIL IN THIS CATALOGUE TO  
BE IN ACCORDANCE WITH APPROPRIATE AUSTRALIAN STANDARD.***

**Further information on products and materials is available on the WSAA web site  
[www.wsaa.asn.au](http://www.wsaa.asn.au)**

**PIPE MATERIALS USED ON WATER MAINS ARE TO BE AS SPECIFIED  
ON THE ENDORSED DESIGN DRAWINGS.**

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## Document Update Information

Date	Change Type	Page Number(s)	Details
1 July 07	Revision 01	39, 53	Fire Hydrant descriptions changed
		36	Relief Valves details changed
		4, 5	PE Fittings descriptions changed
15 January 09	Revision 02	General	Standards Unit details changed
		1	Pipemakers added, Iplex sizes changed
		7 - 30	Vinidex range DI fittings added/expanded
		9, 23, 24	Pentair range DI fittings expanded
		9, 23, 24	NIBF range DI fittings expanded
		35	Crevet SS Flange connectors added
		36	Singer PRV's added
		37,39	Pentair Auslite valves included
		39	Toowoomba MT Buried Hydrant added
		40	Amiad and AVK D/O Air Release Valves added
		42, 44	Wouter Witzel Butterfly valve added
		54	EZY-Drive Marker posts added
1 December 09	Revision 03	50	Ploy Street box removed
		52	Isolating Valve Chamber-Heavy Duty added
		53	Isolating Valve Chamber-Light Duty added
1 August 10		1	Micron PVC-O included, pipe colour BLUE added
1 February 12	Addition	2	Pentair Water "TYTONXCL, TYTONXTREME, TYTONXTEND" DICL Pipe "CREVET IRONTITE" DICL Pipe
1 October 12	Revision 04	36	Bermad PRV's added
31 October 12	Name Change	General	Change of name Pentair Water formally known as Tyco Water.
7 June 13	Addition and update	General	Derwent Industries Fittings, Gillies Metaltech Ltd Fittings, "Maxiflo" Resilient Seated Gate Valves and The Poly People added.
February 2014	Name Change	General	Change of name Civil Pipelines Australia formally known as The Poly People.
July 2014	Product Added	41	Bermad - Combination Air Valve added
July 2014	Product Added	35	DEKS <i>Flex-Gib</i> Stainless Steel Gibault
August 2014	Manufacturer Added	4	DM Plastics and Steel Pty Ltd
October 2014	Addition	6	Primus Line PE Liner

## AUTHORISED ITEMS for WATER RETICULATION SYSTEMS

### *PVC Pressure Pipe*

Where PVC pressure pipe is required for water main applications it will be detailed on the approved design drawings. Size range - 100, 150, 200, 250, 300 & 375 mm diameters. Pipe sizes 450, 525 and 600 are also available from the larger manufacturers and may be used with specific approval from SA Water.

Unless specifically approved otherwise by SA Water all PVC pipe installations shall meet the following requirements:

- All pipes are to be Series 2 (CIOD). See relevant Australian Standard.
- Minimum class of pipe to be used is **PN16 unless specific approval to use a lower class has been given by SA Water**
- All pipes and fittings shall be Rubber Ring Jointed (RRJ)
- All pipes to be **BLUE** in colour.

### *Authorised Manufacturers*

#### Standard PVC (PVC-U)

No longer readily available (specific orders only)

#### Modified PVC (PVC-M)

Iplex Pipelines -	Blue Rhino	
Vinidex	Hydro Blue	
Damos		(Only available in DN100 to DN250)
Key Plastics		(Only available in DN100 to DN200)
Pentair Water	Tuf-Flo	(Only available in DN100 to DN375)
Pipemakers	Enviromain	(Only authorised for DN100 and DN150)
Micron Pipelines		(Only authorised for DN100 and DN150)

#### Oriented PVC (PVC-O)

Iplex Pipelines -	Apollo Blue	(DN100 to DN300)
Vinidex	Supermain	
Micron Pipelines		(DN100 to DN375 PN16 & PN20 note specific approval is required by SA Water for PN20)
Pipemakers		(DN100 to DN375 PN16 & PN20 note specific approval is required by SA Water for PN20)
Pentair Water	Opti-Flo	(DN100 and DN150)

### *Applicable Australian Standards*

- AS/NZS1477 PVC-U Pipes and fittings for pressure applications
- AS2032 Code of practice for the installation of PVC pipe systems
- AS/NZS4441 PVC-O Pipes for pressure applications
- AS/NZS4765 PVC-M Pipes for pressure applications

*For more details about these manufacturers refer to the **Manufacturers** section of this manual.*

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## ***Ductile Iron Cement Lined Pipe (DICL)***

Where DICL pipe is required for water main applications it will be detailed on the approved design drawings. Ductile iron pipe that is manufactured in accordance with the current AS/NZS 2280-1999 uses a K(n) value to describe the class of pipe eg K9. The pipe uses a rubber ring jointing system and is internally lined with a cement mortar as specified in AS/NZS2280. SA Water has nominated class K9 for all reticulation applications with an operating pressure less than PN16.

A new range of Ductile Iron pipe is being introduced by Pentair Water which is called the Tyton Series 2100 pipe. This pipe has a thinner wall and reduced cement lining, but the external diameter is equivalent to the OD of the current series pipe (K series for DICL and Series 2 for PVC). This pipe has a rating of PN20 or PN 35 and Authorisation has been given for use of PN 35 pipe in SA Water's Infrastructure. **PN 20 pipe is not to be used without specific, application based, approval from SA Water.**

All types of DICL pipe shall be protected from corrosion by covering with a protective sleeving (see below).

Size range - 100, 150, 200, 250, 300 & 375mm diameters. Larger sizes to DN750 are also available and may be used on trunk main installations.

### ***Authorised Manufacturer***

- Pentair Water K9 Series and Series 2100 PN 35. (See PN 20 note above)
- Pentair Water "TYTONXCL, TYTONXTREME, TYTONXTEND" PN 35
- Iplex Pipelines Aust Pty Ltd "CREVET IRONTITE" PN 35

### ***Pipe Sleeving***

- Pentair Water - Blueboss

### ***Restrained Joint Sealing Rings***

- Pentair Water - Tyton lok

### ***Underground Warning Tape for Tyton lok***

- Pentair Water

### ***Applicable Australian Standards***

- AS/NZS2280 Ductile iron pressure pipes and fittings
- AS3680 Polyethylene sleeving for ductile iron pipelines
- AS3681 Guidelines for the application of polyethylene sleeving to ductile iron pipelines and fittings

The use of *Tyton lok joints* is authorised and in some instances may be deemed a requirement. Where *Tyton lok joints* are utilised, a pink marker tape shall be laid on the overlay sand above the pipe, to ensure that when future repairs are done, *Tyton lok joints* will continue to be installed.

REFER to Water Construction Practice Manual Section B and the manufacturer for allowable application details, minimum restrained lengths and installation details.

*For more details about the manufacturers refer to the **Manufacturers** section of this manual.*

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS*****Steel Cement Lined Pipes (SCL) including Sintacote***

SCL pipeline will be directed for use in specific applications including larger diameter pressure mains, dog-legs, pipe specials and crossing creek beds and gullies.

Where there is a requirement to use SCL pipe, special attention must be given to the coating system used and reinstatement of any damage.

Alternative Description

***MSCL pipe******Authorised Manufacturers***

- Pentair

***Allowable Joint types***

- Rubber Ring
- Spherical Slip-in (welded)
- Ball and Socket (welded)
- Plain ended Butt Joint (welded)
- Butt Joint with Collar (welded)
- Flanged (in accordance with AS4087)

***Authorised Fabricators of SCL pipework and fittings***

- Water Engineering Technologies (SA Water Berri and Crystal Brook workshops)
- Lincoln Engineering
- Ottoway Engineering
- Contract Engineering SA
- Civil Mechanical Services Pty Ltd

***Authorised Field Welders for SCL pipework and fittings***

- Water Engineering Technologies (SA Water Berri and Crystal Brook workshops)
- Ottoway Engineering
- Lincoln Engineering
- N&A Mobile Welding Services
- Contract Engineering SA
- Civil Mechanical Services Pty Ltd

***Applicable Australian Standards***

- AS1579 Arc welded steel pipes and fittings for water and waste water
- AS1281 Cement mortar lining of steel pipes and fittings

*For more details about these manufacturers refer to the **Manufacturers** section of this manual.*

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## ***Polyethylene Pipe and Fittings***

Polyethylene pipe systems are authorised for use, but are predominantly used for directional boring and in country regions where long runs with minimal tappings are required. Where indicated in the WSCM, a detectable underground warning tape shall be laid on top of the embedment material and above the polyethylene pipe to allow the pipe to be located in the future.

### ***Pipe Classification***

When ordering specify - PE80 pipe - Type B - PN 16 (for sizes greater than 25mm) or  
- PE 100 pipe – PN 16 in accordance with AS/NZS4130

### ***Colour***

Black with Blue Stripes or all Blue

### ***Allowable Pipe Sizes***

DN63	- Cul de Sacs	Comparable to DN50 Copper
DN125	- Mains	Comparable to DN100 DICL
DN180	- Mains	Comparable to DN150 DICL
DN225	- Mains	Comparable to DN200 DICL

Alternate sizes are available and may be used in special applications with SA Water approval

### ***Authorised Manufacturers***

#### ***Pipe***

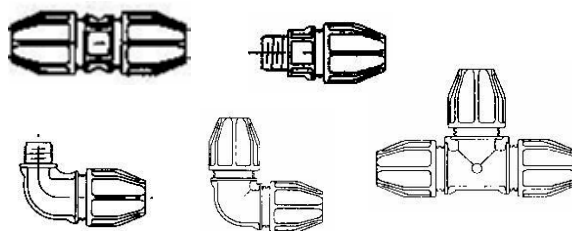
Iplex Pipelines	Vinindex	DM Plastics & Steel
PPI	Cromford Pipe (formally AFPM)	
Poly Pipe	Zezt	

#### ***Jointing***

Combinations of fittings to achieve specifications in the Water Supply Construction Manual are acceptable from the following suppliers:

#### **Mechanical Jointing (to AS/NZS4129) - Sizes 25 mm to 110 mm**

- George Fischer
- Magnum (Iplex)
- Philmac
- Plasson
- STP (Fusion Plast Australia)
- Supreme (Pentair Water)



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## AUTHORISED ITEMS for WATER RETICULATION SYSTEMS

### *Polyethylene Pipe and Fittings (Continued)*

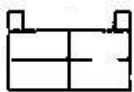
- Tita Coupling (Brass)



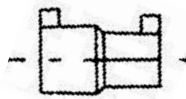
### **Electrofusion Fittings** (to be in accordance with AS/NZS4129) - **All Sizes**

**NOTE:** SA Water will only accept Electrofusion joints where the ends of the pipes to be inserted into the coupling have been shaved back to virgin material using a commercially available Mechanical Scraper, immediately prior to making the joint.

- George Fischer
- Fusion Plast Australia
- Philmac (Durafuse)
- Plasson
- Rollmaplast



**Standard**



**Reducing**

#### **Also Available**

- Tees
- 45 and 90 Bends
- Stub Flanges

### **Butt Welding - All Sizes**

- Factory Butt welding only is permitted unless authorised by SA Water.

### ***Authorised Field Butt Welders for PE pipework and fittings***

- Dalkeith Plastics Pty. Ltd.
- Statewide Poly Service Pty. Ltd

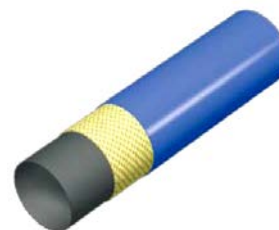
### **Fabrication of PE pipe Specials**

- Fusion Plast Australia
- Civil Pipelines Australia
- Dalkeith Plastics Pty. Ltd.
- Statewide Poly Service Pty. Ltd



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**
***Polyethylene Pipe and Fittings (Continued)***

SA Water Product Description

***Polyethylene Liner***


Nom. Size DN	Renflo (Primus Line)
150 – 500	★

***Applicable Australian Standards***

- AS/NZS4130 Polyethylene pipes for pressure applications
- AS/NZS4129 Fittings for polyethylene (PE) pipes for pressure applications
- AS2033 Installation of polyethylene pipe systems (For minimum cover refer Water Supply Construction manual)

*For more details about these manufacturers refer to the **Manufacturers** section of this manual.*

***Under Pressure Tapping Service***

Under pressure tapping is a system which allows an offtake ( $\geq$  DN 80) to be provided from a reticulation or trunk main without the requirement to shut down the main. The service includes the provision of an authorised SS Flanged Offtake and an isolating valve.

The installation is to be carried out in accordance with WSAA “2005 Under Pressure Cut-In Connection of Pressure Pipelines  $\geq$  DN 80” which is a supplement to the Water Supply Code WSA 03-2002 Version 2.3. (available free from <https://www.wsaa.asn.au/frameaset2.html>-select *Bookshop then Public Orders then enter PCØ18 into search box*).

Authorised Tapping Service companies require a fully documented Quality Assurance Certification which covers the full under pressure tapping service.

***Authorised Under Pressure Tapping Companies***

- Complete Tapping Service
- Tapping Systems Australia Pty Ltd

***Applicable WSAA Standards***

- Supplement to WSA 03 Water Supply Code of Australia

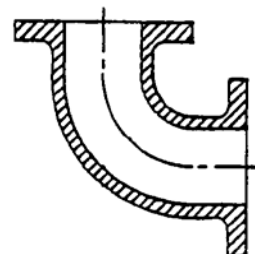


**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

# ***Bend - Flange/Flange***

*(FBE Coated (Preferred)/Cement Mortar Lined)*



## Alternative Description

***Bends Flange - Flange***
***Bends Flanged***

Nom. Size DN x deg	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Dobbie Dico	Mallet Foundry	Vinidex* SL	Derwent Industries
80 x 90°	4730-0962	★	★		★		★
100 x 90°	4730-0963	★	★	★	★	★	★
150 x 90°	4730-0964	★	★	★	★	★	★
200 x 90°	4730-0965	★	★	★	★	★	★
250 x 90°	4730-0966	★	★	★	★	★	★
300 x 90°	4730-0967	★	★	★	★	★	★
375 x 90°	4730-0986	★	★		★	★	★
80 x 45°	4730-0956	★	★		★		★
100 x 45°	4730-0957	★	★	★	★	★	★
150 x 45°	4730-0958	★	★	★	★	★	★
200 x 45°	4730-0959	★	★	★	★	★	★
250 x 45°	4730-0960	★	★	★	★	★	★
300 x 45°	4730-0961	★	★	★	★	★	★
375 x 45°	-----	★	★		★	★	★
80 x 22½°	4730-1312	★	★		★		★
100 x 22½°	4730-0951	★	★	★	★	★	★
150 x 22½°	4730-0952	★	★	★	★	★	★
200 x 22½°	4730-0953	★	★	★	★	★	★
250 x 22½°	4730-0954	★	★	★	★	★	★
300 x 22½°	4730-0955	★	★	★	★	★	★
375 x 22½°	-----	★	★		★	★	★
80 x 11¼°	-----	★	★		★		★
100 x 11¼°	4730-6002	★	★	★	★	★	★
150 x 11¼°	4730-6003	★	★	★	★	★	★
200 x 11¼°	4730-6004	★	★	★	★	★	★
250 x 11¼°	4730-6005	★	★	★	★	★	★
300 x 11¼°	4730-6147	★	★	★	★	★	★
375 x 11¼°	-----	★	★		★	★	★

Highlighted items are included in SA Water's Fittings Contract PC1112

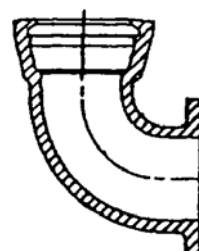
\* Vinidex have two fittings ranges - SL is rated PN35

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Bend - Socket/Flange*

*(FBE Coated (Preferred)/Cement Mortar Lined)*



Alternative Description

*Bends Socket - Flange*

Nom. Size DN x deg	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Dobbie Dico	Derwent Industries	Gillies Metaltech Ltd
80 x 90°	-----		*		*	
100 x 90°	4730-2302	*	*		*	*
150 x 90°	4730-2687	*	*	*	*	*
200 x 90°	4730-3010	*	*	*	*	
250 x 90°	4730-3012	*	*		*	
300 x 90°	-----	*	*		*	
375 x 90°	-----	*	*		*	
80 x 45°	-----				*	
100 x 45°	4730-3215	*	*		*	
150 x 45°	4730-3008	*	*		*	
200 x 45°	4730-3009	*	*		*	
250 x 45°	4730-3011	*	*		*	
300 x 45°	-----		*		*	
375 x 45°	-----		*		*	
80 x 22½°	-----		*		*	
100 x 22½°	-----		*		*	
150 x 22½°	-----		*		*	
200 x 22½°	-----		*		*	
250 x 22½°	-----		*		*	
300 x 22½°	-----		*		*	
375 x 22½°	-----		*		*	
80 x 11¼°	-----		*		*	
100 x 11¼°	-----		*		*	
150 x 11¼°	-----		*		*	
200 x 11¼°	-----		*		*	
250 x 11¼°	-----		*		*	
300 x 11¼°	-----		*		*	

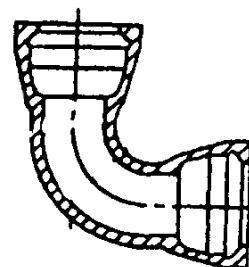
Highlighted items are included in SA Water's Fittings Contract PC1112

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## A Water Product Description

## Bend - Socket/Socket

(FBE Coated (preferred) /Cement Mortar Lined)



## Alternative Description

**Bends SOC-SOC**
**Bends Socket -Socket**

Nom. Size DN x deg	SA Water Stock No.	NIBF(Iplex)Φ Std. CrevetSL	Pentair Water#		Dobbie Dico	Mallet Foundry	Vinidex *		Derwent^ Industries	Gillies Metaltech Ltd
			Std.	Auslite			SL	SLII		
80 x 90°	4730-4665	*				*			*	
100 x 90°	4730-0922	*	*	*	*	*	*	*	*	*
150 x 90°	4730-1545	*	*	*	*	*	*	*	*	*
200 x 90°	4730-2253	*		*	*	*	*	*	*	
250 x 90°	4730-2927	*		*	*	*	*	*	*	
300 x 90°	4730-4674	*		*	*	*	*	*	*	
375 x 90°	-----	*		*		*	*		*	
80 x 45°	4730-4664	*				*				
100 x 45°	4730-1543	*	*	*	*	*	*	*	*	*
150 x 45°	4730-1544	*	*	*	*	*	*	*	*	*
200 x 45°	4730-2252	*		*	*	*	*	*	*	
250 x 45°	4730-2926	*		*	*	*	*	*	*	
300 x 45°	4730-0915	*		*	*	*	*	*	*	
375 x 45°	-----	*		*		*	*		*	
80 x 22½°	4730-4663	*				*				
100 x 22½°	4730-1541	*	*	*	*	*	*	*	*	*
150 x 22½°	4730-1542	*	*	*	*	*	*	*	*	*
200 x 22½°	4730-2925	*		*	*	*	*	*	*	
250 x 22½°	4730-4672	*		*	*	*	*	*	*	
300 x 22½°	4730-0909	*		*	*	*	*	*	*	
375 x 22½°	-----	*		*		*	*		*	
80 x 11¼°	-----	*				*				
100 x 11¼°	4730-4918	*	*	*	*	*	*	*	*	*
150 x 11¼°	4730-4919	*	*	*	*	*	*	*	*	*
200 x 11¼°	4730-4969	*		*	*	*	*	*	*	
250 x 11¼°	4730-6000	*		*	*	*	*	*	*	
300 x 11¼°	4730-6001	*		*	*	*	*	*	*	
375 x 11¼°	-----	*		*		*	*		*	
100 x 6°	-----			*						
150 x 6°	-----			*						
200 x 6°	-----			*						

Highlighted items are included in SA Water's Fittings Contract PC1112

Φ NIBF have two fittings ranges – Std. is rated PN35 and Crevet SL® is a lightweight product rated PN16

# Pentair have two fittings ranges – Std. is rated PN35 and Auslite is a lightweight product rated PN16

\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

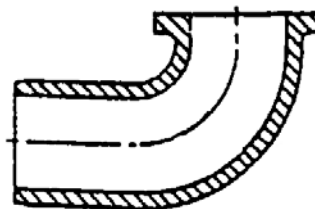
^ Derwent have two fittings ranges – fittings ≥200mm are rated at PN35

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## ***Bend - Flange/Spigot***

*(FBE Coated (Preferred)/Cement Mortar Lined)*



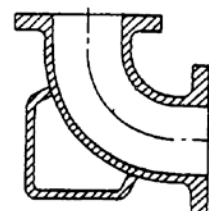
Alternative Description

### ***Bends Flange-Spigot***

Nom. Size DN x deg	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Derwent <sup>^</sup> Industries
80 x 90°	4730-0944	★	★	★
100 x 90°	4730-0945	★	★	★
150 x 90°	4730-1740	★	★	★
200 x 90°	4730-0946	★	★	★
250 x 90°	4730-4978	★	★	★
300 x 90°	4730-4979	★	★	★
375 x 90°	-----	★	★	
80 x 45°	4730-0941	★	★	★
100 x 45°	4730-0942	★	★	★
150 x 45°	4730-0943	★	★	★
200 x 45°	4730-4980	★	★	★
250 x 45°	-----		★	★
300 x 45°	4730-4981	★	★	★
375 x 45°	-----		★	
80 x 22½°	-----		★	★
100 x 22½°	4730-4982	★	★	★
150 x 22½°	4730-4983	★	★	★
200 x 22½°	4730-4984	★	★	★
250 x 22½°	-----		★	★
300 x 22½°	4730-4985	★	★	★
375 x 22½°	-----		★	
80 x 11¼°	-----		★	★
100 x 11¼°	-----		★	★
150 x 11¼°	-----		★	★
200 x 11¼°	-----		★	★
250 x 11¼°	-----		★	★
300 x 11¼°	-----		★	★
375 x 11¼°	-----		★	★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

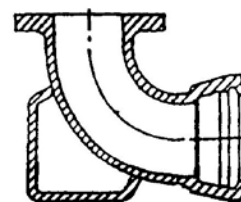
SA Water Product Description

***Bend 90° With Heel  
Flange/Flange***
***(FBE Coated (Preferred)/Cement Mortar Lined)***


Alternative Description

Nom. Size DN	SA Water Stock No.	NIBF (Iplex)	Dobbie Dico	Derwent Industries
80	4730-5060	★		
100	4730-5061	★	★	★
150	4730-5062	★	★	★
200	4730-5063	★		
250	4730-5064	★		
300	4730-5065	★		
375	4730-5066	★		

SA Water Product Description

***Bend 90° With Heel  
Socket/Flange***
***(FBE Coated (Preferred)/Cement Mortar Lined)***


Alternative Description

***Hydrant bend***
***Washout Bend***

Nom. Size DN x dn (Flg)	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Dobbie Dico	Derwent Industries
80 x 80	4730-4666				
100 x 80	4730-3762	★	★	★	★
150 x 80	-----		★	★	★
150 x 100	4730-1759	★			

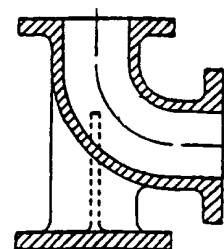
Highlighted items are included in SA Water's Fittings Contract PC1112

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## ***Bend 90° - Flange Duckfoot***

*(FBE Coated ( Preferred)/Cement Mortar Lined)*



Alternative Description

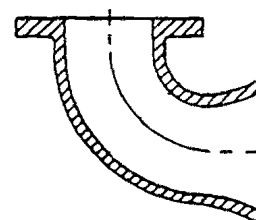
***Duckfoot Bends***

Nom. Size DN	SA Water Stock No.	NIBF (Iplex)	Pentair Water
80	4730-5075	★	★
100	4730-0968	★	★
150	4730-0969	★	★
200	4730-0970	★	★
250	4730-1313	★	★
300	4730-5076	★	★
375	-----	★	★

SA Water Product Description

## ***Bend - Flange/Flared***

*(FBE Coated (Preferred)/Cement Mortar Lined)*



Alternative Description

Nom. Size DN	SA Water Stock No.	NIBF (Iplex)
80	4730-5077	★
100	4730-0947	★
150	4730-0948	★
200	4730-0949	★
250	4730-0950	★
300	4730-1314	★
375	4730-5078	★

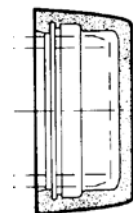
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

## *Caps*

(FBE Coated)

## Alternative Description

**End Caps**


Nom. Size DN	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Dobbie Dico	Mallet Foundry	Vinidex* SL
100	4730-1126	★	★	★	★	★
150	4730-1128	★	★	★	★	★
200	4730-6040	★	★	★	★	★
250	4730-1131	★	★	★	★	★
300	4730-6041	★	★	★	★	★
375	-----	★	★		★	★

Highlighted items are included in SA Water's Fittings Contract PC1112

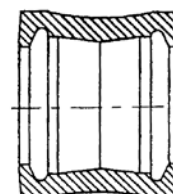
\* Vinidex have two fittings ranges - SL is rated PN35

## SA Water Product Description

## *Collar*

(FBE Coated)

## Alternative Description

**# Connector - Socket-Socket**


Nom. Size DN	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Vinidex* SL
80	-----	★		
100	4730-1170	★	★	★
150	4730-1173	★	★	★
200	4730-6026	★	★	★
250	4730-6027	★	★	★
300	4730-6028	★	★	★
375	-----	★	★	★

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35

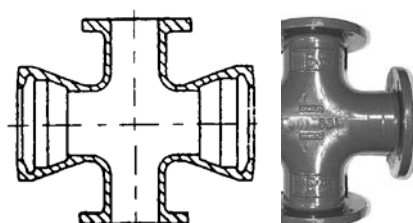


**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

## ***Cross Joint***

*(FBE Coated/Cement Mortar Lined)*



## Alternative Description

Nom. Size DN x dn	SA Water Stock No.	NIBF (Iplex)	Pentair Water
----------------------	-----------------------	-----------------	------------------

### ***Socket/Socket***

100 x 100	4730-2326	★	★
150 x 100	4730-5079	★	★
150 x 150	4730-4709	★	★

### ***Socket/Flange***

150 x 100	4730-2324	★	
150 x 150	4730-4710	★	
200 x 100	4730-2325	★	

### ***Flange/Flange***

100 x 100	4730-0999	★	★
150 x 150	4730-1000	★	★
200 x 80	4730-4990	★	★
200 x 100	4730-1742	★	★
200 x 200	4730-4991	★	★
250 x 250	4730-1001	★	★

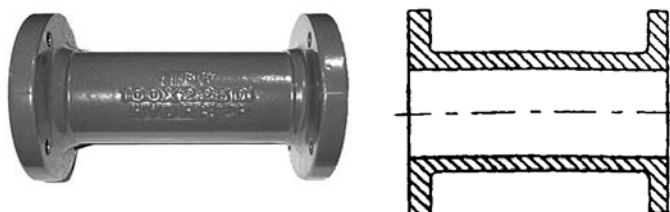
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Extension Pipe - Flange/Flange***  
***(including - Tapped 50mm BSP)***  
***(Bitumen/ FBE Coated (Preferred)/Cement Mortar Lined)***

Alternative Description

***Connector - Flange/Flange***  
***Hydrant Riser - Flange/Flange***



***Note: Can be manufactured as a special to any length up to 5 metres long***

Nom. DN x Length	Size	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Vinidex* SL	Dobbie Dico	Derwent Industries
---------------------	------	--------------------------	-----------------	------------------	----------------	----------------	-----------------------

***Tapped 50mm BSP***

80 x 230	4730-4941	80 x 225nom
----------	-----------	-------------

***Flange/Flange***

80 x 100	4730-6042	*	*	*		*
80 x 150	4730-1132	*	*	*	*	*
80 x 230	4730-1133	80 x 225nom	80 x 225nom	80 x 225nom	80 x 225nom	80 x 225nom
80 x 305	4730-1134	80 x 300nom	80 x 300nom	80 x 300nom	80 x 300nom	80 x 300nom
80 x 380	4730-1135	80 x 375nom	80 x 375nom	80 x 375nom		80 x 375nom
80 x 455	4730-1136	80 x 450nom	80 x 450nom	80 x 450nom	80 x 450nom	80 x 450nom
80 x 525	-----	*				*
80 x 610	4730-1137	80 x 600nom	80 x 600nom	80 x 600nom	80 x 600nom	80 x 600nom
80 x 675	-----	*				*
80 x 750	-----	*				*
100 x 100	-----	*	*	*		*
100 x 150	4730-1138	*	*	*	*	*
100 x 230	4730-1139	100x225nom	100x225nom	100x225nom	100x225nom	100x225nom
100 x 305	4730-1140	100x300nom	100x300nom	100x300nom	100x300nom	100x300nom
100 x 375	-----	*	*	*		*
100 x 455	4730-1141	100x450nom	100x450nom	100x450nom	100x450nom	100x450nom
100 x 525	-----	*				*
100 x 610	4730-1142	100x600nom	100x600nom	100x600nom	100x600nom	100x600nom
100 x 675	-----	*				*
100 x 760	4730-1143					
100 x 900	-----	*				*

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

(Continued on Page 1-17)

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

(Continued from Page 1-16)

Nom. Size DN x Length	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Derwent Industries
<i>Flange/Flange</i>				
150 x 150	4730-1144	★	★	★
150 x 230	4730-1145	★	★	★
150 x 305	4730-1146	★	★	★
150 x 380	4730-1147	★	★	★
150 x 455	4730-1148	★	★	★
150 x 610	4730-1149	★	★	★
150 x 760	4730-1150	★	★	★
150 x 915	4730-1151	★	★	★
150 x 1120	4730-1152	★	★	★
200 x 150	4730-1153		★	★
200 x 230	4730-1154	200	★	★
200 x 305	4730-1155		★	★
200 x 455	4730-1156	x	★	★
200 x 610	4730-1157		★	★
200 x 760	4730-1158	190 min.	★	★
200 x 915	4730-1159		★	★
200 x 1065	4730-1160		★	★
250 x 610	4730-1161	250 x 210 min.	★	★
300 x 305	4730-1162	300	★	★
300 x 610	4730-1163	x	★	★
300 x 760	4730-1164	235 min.	★	★
300 x 910	4730-1165		★	★
375 x 250	-----	375 x 250 min.	★	★

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

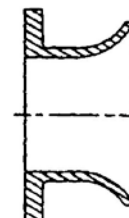
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Extension Pipe - Flange/Flared* (FBE Coated)

Alternative Description

# *Flanged Bellmouths*

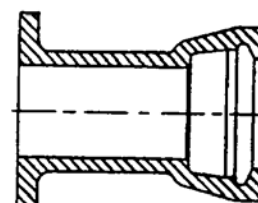
† *Bellmouths*


Nom. Size DN	SA Water Stock No.	NIBF (Iplex) #	Pentair Water†
80	-----	★	
100	4730-1109	★	★
150	4730-1110	★	★
200	4730-1111	★	★
250	4730-1316	★	★
300	4730-1317	★	★
375	-----	★	★

SA Water Product Description

## *Extension Pipe - Socket/Flange* (FBE Coated (Preferred)/Cement Mortar Lined)

Alternative Description

# *Connector - Flange-Socket*


Nom. Size DN	SA Water Stock No.	NIBF (Iplex) #	Pentair Water#	Dobbie Dico	Mallet Foundry#	Vinidex*		Gillies Metaltech Ltd
80	4730-4670	★				★		
100	4730-1546	★	★	★	★	★	★	★
150	4730-1547	★	★	★	★	★	★	★
200	4730-2254	★	★	★	★	★	★	
250	4730-2403	★	★	★	★	★	★	
300	4730-2404	★	★	★	★	★		
375	-----	★	★		★	★		

Highlighted items are included in SA Water's Fittings Contract PC1112

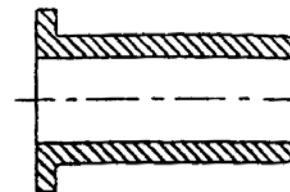
\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Extension Pipe - Flange/Spigot*

*(FBE Coated/Cement Mortar Lined)*



Alternative Description

**Connectors - Flange/Spigot**

*Note: Can be manufactured as a special to any length up to 5 metres long*

Nominal Size DN x Length	SA Water Stock No.	NIBF (Iplex) #	Pentair Water #	Dobbie Dico #	Mallet Foundry #	Vinidex* SL SLII	
80 x 150	-----	★	★				
100 x 205	4730-1113	★	★	★	★	★	★
100 x 250	4730-4992	★					
100 x 305	4730-4993	★					
100 x 455	4730-1113	★					
100 x 610	4730-4994	★					
100 x 915	4730-1114	★					
100 x 1220	4730-4995	★					
150 x 205	4730-1115	★	★	★	★	★	★
150 x 250	4730-4996	★					
150 x 455	4730-1115	★					
150 x 610	4730-4997	★					
150 x 915	4730-1116	★					
200 x 230	4730-2337	★	★	★	★	★	★
200 x 455	-----	★					
250 x 230	4730-6025	★	★	★	★	★	★
300 x 255	4730-2339	★	★	★	★	★	
375 x 280	-----	★	★		★	★	
375 x 455	4730-4998	★					

Highlighted items are included in SA Water's Fittings Contract PC1112

\*Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

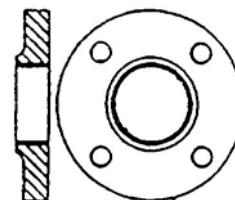
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Flanges - Blind/Blank*

### *Screwed BSP With/Without Location Lugs*

Alternative Description



Nom. Size DN	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Dobbie Dico
<b><i>Blind</i></b>				
80	4730-1318	*	*	*
100	4730-1319	*	*	*
150	4730-1320	*	*	*
200	4730-1321	*	*	*
250	4730-1322	*	*	*
300	4730-1323	*	*	*
375	-----	*	*	
<b><i>Screwed BSP</i></b>				
80 x 40	4730-2111	80-375 DN	*	
80 x 50	4730-1364	Threaded	*	
80 x 65	4730-1365	BSP	*	
80 x 80	4730-1366	any DN to	*	
100 x 50	4730-1367	Equal Size	*	

Highlighted items are included in SA Water's Fittings Contract PC1112

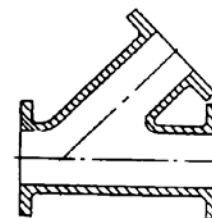
SA Water Product Description

## *TEE - 45° Branch*

### *- Flange/Flange With Flanged Branch*

*(FBE Coated (Preferred)/Cement Mortar Lined)*

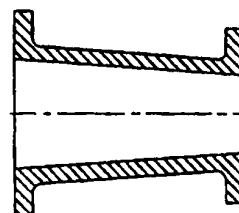
Alternative Description

***Angle Branch***


Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex)
100 x 100	4730-1007	*
150 x 150	4730-4999	*
300 x 300	4730-5000	*

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Taper - Flange/Flange***
***Taper - Spigot/Flange***
***(FBE Coated (Preferred)/Cement Mortar Lined)***


Alternative Description

# ***Flange Taper***

† ***Tapers Concentric - Flange/Flange***

Nom. Size DN x dn	SA Water Stock No.	NIBF (Iplex) †	Pentair Water †	Dobbie Dico	Mallet Foundry#	Vinidex* SL	Derwent Industries
----------------------	-----------------------	-------------------	--------------------	----------------	--------------------	----------------	-----------------------

***Taper - Flange/Flange***

100 x 50	4730-5006	*					*
100 x 65	4730-5008	*					*
100 x 80	4730-1180	*	*	*	*	*	*
150 x 80	4730-5009	*	*		*		*
150 x 100	4730-1181	*	*	*	*	*	*
150 x 125	4730-5011	*					*
200 x 80	-----	*					*
200 x 100	4730-6052	*	*	*	*	*	*
200 x 150	4730-1182	*	*	*	*	*	*
250 x 100	4730-5013	*	*	*	*	*	*
250 x 150	4730-5003	*	*	*	*	*	*
250 x 200	4730-1183	*	*	*	*	*	*
300 x 100	4730-5004	*	*	*	*	*	*
300 x 150	4730-5005	*	*	*	*	*	*
300 x 200	4730-2899	*	*	*	*	*	*
300 x 250	4730-1184	*	*	*	*	*	*
375 x 150	-----	*	*			*	*
375 x 200	-----	*	*		*	*	*
375 x 250	4730-5015	*	*		*	*	*
375 x 300	-----	*	*		*	*	*

***Taper - Spigot/Flange***

100x80	4730-6058	*	*
150x100	4730-6059	*	*
200x150	4730-6060	*	*
250x200	4730-6061	*	*
300x250	4730-6062	*	*

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Taper - Socket/Socket***
***Taper - Socket/Flange***
***Taper - Spigot/Spigot***
***(FBE Coated (Preferred)/Cement Mortar Lined)***


Alternative Description

**# *Tapers - Socket/Socket***

Nom. Size DN x dn	SA Water Stock No.	NIBF (Iplex) #	Pentair Water#	Mallet Foundry#	Vinidex*		Derwent Industries	Gillies Metaltech Ltd
					SL	SLII		

***Taper - Socket/Socket***

100 x 80	4730-6043	*	*	*			*	
150 x 80	-----	*		*			*	
150 x 100	4730-4964	*	*	*	*	*	*	*
200 x 80	-----	*					*	
200 x 100	-----	*	*	*	*	*	*	
200 x 150	4730-6044	*	*	*	*	*	*	
250 x 100	-----	*	*	*	*	*	*	
250 x 150	-----	*	*	*	*	*	*	
250 x 200	4730-6045	*	*	*	*	*	*	
300 x 100	-----	*	*	*	*		*	
300 x 150	-----	*	*	*	*		*	
300 x 200	-----	*	*	*	*		*	
300 x 250	4730-6046	*	*	*	*		*	
375 x 200	-----	*	*	*	*		*	
375 x 250	-----	*	*	*	*		*	
375 x 300	-----	*	*	*	*		*	

***Taper - Socket/ Flange***

100x80	4730-6047	*	*		*	*		
150x100	4730-6048	*	*		*	*		
200x150	4730-6049	*	*		*	*		
250x200	4730-6050	*	*		*	*		
300x250	4730-6051	*	*		*			

***Taper - Spigot/Spigot***

100x80	4730-1187	*	*				*	
150x100	4730-2358	*	*				*	
200x150	4730-2255	*	*				*	
250x200	4730-2256	*	*				*	
300x250	4730-2343	*	*				*	

Highlighted items are included in SA Water's Fittings Contract PC1112

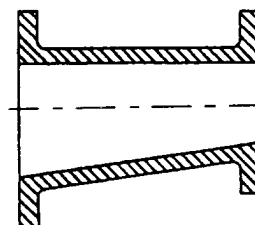
\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## ***Taper Flat Top - Flange/Flange***

*(FBE Coated (Preferred)/Cement Mortar Lined)*



Alternative Description

***Reducer – Flat top – Flange Flange***  
***# Tapers - Eccentric - Flange/Flange***

Nom. Size DN x dn	SA Water Stock No.	NIBF (Iplex) #	Pentair Water #	Mallet Foundry #	Vinidex* SL
100 x 80	4730-6053	★	★	★	★
150 x 80	4730-5027	★	★	★	★
150 x 100	4730-6054	★	★	★	★
200 x 100	4730-5022	★	★	★	★
200 x 150	4730-6055	★	★	★	★
250 x 100	4730-5029	★	★	★	
250 x 150	4730-5024	★	★	★	
250 x 200	4730-6056				
300 x 100	-----	★	★	★	
300 x 150	4730-5025	★	★	★	
300 x 200	-----	★	★	★	
300 x 250	4730-6057	★	★	★	
375 x 150	-----	★			
375 x 200	-----	★	★	★	
375 x 250	-----	★	★	★	
375 x 300	-----	★	★	★	

Highlighted items are included in SA Water's Fittings Contract PC1112

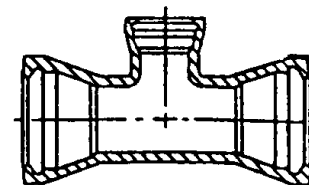
\* Vinidex have two fittings ranges - SL is rated PN35

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Tee - Socket/Socket/Branch Socket***  
*(FBE Coated (Preferred)/Cement Mortar Lined)*

Alternative Description



Nom. Size DN xDN(Br)	SA Water Stock No.	NIBF (Iplex)Φ		Pentair Water #		Dobbie Dico	Mallet Foundry	Vinidex*		Derwent Industries	Gillies Metaltech Ltd
		Std.	Crevet SL	Std.	Auslite			SL	SLII		
80 x 80	4730-2319				*					*	
100 x 80	-----		*		*	*				*	
100 x 100	4730-2320	*	*	*	*	*	*	*	*	*	*
150 x 80	-----		*		*					*	
150 x 100	4730-2321	*	*	*			*	*	*	*	
150 x 150	4730-2322	*	*	*	*	*	*	*	*	*	*
200 x 80	-----		*		*	*				*	
200 x 100	4730-2259		*		*	*	*	*	*	*	
200 x 150	4730-2260		*		*	*	*	*	*	*	
200 x 200	4730-2323		*		*	*	*	*	*	*	
250 x 80	-----		*		*	*				*	
250 x 100	4730-1019		*		*	*	*	*	*	*	
250 x 150	4730-1020		*		*	*	*	*	*	*	
250 x 200	4730-1021		*		*	*	*	*	*	*	
250 x 250	4730-1022		*		*	*	*	*	*	*	
300 x 80	-----		*		*	*				*	
300 x 100	4730-1023		*		*	*	*	*	*	*	
300 x 150	4730-1024		*		*	*	*	*	*	*	
300 x 200	4730-1025		*		*	*	*	*	*	*	
300 x 250	4730-1026		*		*	*	*	*	*	*	
300 x 300	4730-1027		*		*	*	*	*	*	*	
375 x 80	-----		*		*					*	
375 x 100	-----		*		*		*	*	*	*	
375 x 150	-----		*		*		*	*	*	*	
375 x 200	-----		*		*		*	*	*	*	
375 x 250	-----		*		*		*	*	*	*	
375 x 300	-----		*		*		*	*	*	*	
375 x 375	-----		*		*		*	*	*	*	

Highlighted items are included in SA Water's Fittings Contract PC1112

Φ NIBF have two fittings ranges – Std. is rated PN35 and Crevet SL® is a lightweight product rated PN16

# Pentair have two fittings ranges – Std. is rated PN35 and Auslite is a lightweight product rated PN16

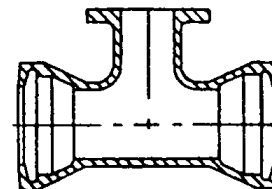
\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## Tee - Socket/Socket/Branch Flange

(FBE Coated (Preferred)/Cement Mortar Lined)



Alternative Description

**Hydrant Air Valve Tees - Soc/Soc x Flange**

Nom. Size DN xDN(Br)	SA Water Stock No.	NIBF (Iplex)Φ Std. Crevet SL	Pentair Water # Std. Auslite	Dobbie Dico	Mallet Foundry	Vinidex SL SLII	Derwent Industries	Gillies Metaltech Ltd
80 x 80	4730-2314		*				*	
100 x 80	4730-1057	*	*	*	*	*	*	
100 x 100	4730-2315	*	*	*	*	*	*	*
150 x 80	4730-1059	*	*	*	*	*	*	
150 x 100	4730-2316	*	*	*	*	*	*	*
150 x 150	4730-2317	*	*	*	*	*	*	*
200 x 80	4730-2043	*	*	*			*	
200 x 100	4730-2258	*	*	*	*	*	*	
200 x 150	4730-2688	*	*	*	*	*	*	
200 x 200	4730-2318	*	*	*	*	*	*	
250 x 80	4730-2044	*	*	*			*	
250 x 100	4730-1034	*	*	*	*	*	*	
250 x 150	4730-1035	*	*	*	*	*	*	
250 x 200	4730-1036	*	*	*	*	*	*	
250 x 250	4730-1037	*	*	*	*	*	*	
300 x 80	4730-2045	*	*	*			*	
300 x 100	4730-1038	*	*	*	*	*	*	
300 x 150	4730-1039	*	*	*	*	*	*	
300 x 200	4730-1040	*	*	*	*	*	*	
300 x 250	4730-1041	*	*	*	*	*	*	
300 x 300	4730-6068	*	*	*	*	*	*	
375 x 80	-----	*	*		*	*	*	
375 x 100	-----	*	*		*	*	*	
375 x 150	-----	*	*		*	*	*	
375 x 200	-----	*	*		*	*	*	
375 x 250	-----	*	*		*	*	*	
375 x 300	-----	*	*		*	*	*	
375 x 375	-----	*	*		*	*	*	

Highlighted items are included in SA Water's Fittings Contract PC1112

Φ NIBF have two fittings ranges – Std. is rated PN35 and Crevet SL<sup>®</sup> is a lightweight product rated PN16

# Pentair have two fittings ranges – Std. is rated PN35 and Auslite is a lightweight product rated PN16

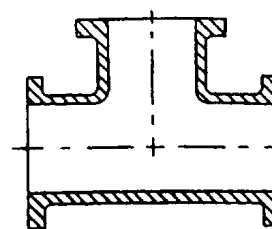
\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Tee - Flange/Flange/Branch Flange  
Riser Hydrant 80 mm (Flange/Flange)  
(FBE Coated (Preferred)/Cement Mortar Lined)***

Alternative Description



Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Dobbie Dico	Mallet Foundry	Vinidex* SL	Derwent Industries
80 x 80	4730-1042	★	★				★
100 x 80	4730-1043	★	★	★			★
100 x 100	4730-1044	★	★	★	★	★	★
150 x 80	4730-1045	★		★			★
150 x 100	4730-1046	★	★	★	★	★	★
150 x 150	4730-1047	★	★	★	★	★	★
200 x 100	4730-1048	★	★	★	★	★	★
200 x 150	4730-1049	★	★	★	★	★	★
200 x 200	4730-1050	★	★	★	★	★	★
250 x 100	4730-6063	★	★	★	★	★	★
250 x 150	4730-6064	★	★	★	★	★	★
250 x 200	4730-6065	★	★	★	★	★	★
250 x 250	4730-1744	★	★	★	★	★	★
300 x 100	4730-6066	★	★	★	★	★	★
300 x 150	4730-1051	★	★	★	★	★	★
300 x 200	4730-1052	★	★	★	★	★	★
300 x 250	4730-6067	★	★	★	★	★	★
300 x 300	4730-1054	★	★	★	★	★	★
375 x 100	-----	★	★		★	★	★
375 x 150	-----	★	★		★	★	★
375 x 200	-----	★	★		★	★	★
375 x 250	-----	★	★		★	★	★
375 x 300	4730-5056	★	★		★	★	★
375 x 375	-----	★	★		★	★	★

***RISER HYDRANT 80 MM (FLANGE/FLANGE)***

100	4730-6042	★	★				★
150	4730-1132	★	★				★
225	4730-1133	★	★				★
225 * *	4730-4941	★	★				
300	4730-1134	★	★				★
375	4730-1135	★	★				★
400	4730-1136	★	★				★

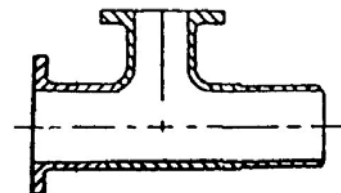
Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35

\* \*with boss tapped 50mm BSP

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Tee - Flange/Spigot/Branch Flange***  
*(FBE Coated (Preferred)/Cement Mortar Lined)*


Alternative Description

Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex)
300 x 80	4730-5058	★
300 x 100	4730-5059	★

SA Water Product Description

***Tee - Spigot/Spigot/Spigot***  
*(FBE Coated (Preferred)/Cement Mortar Lined)*


Alternative Description

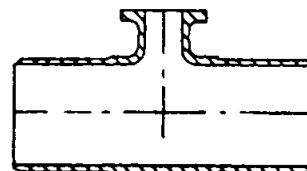
***Spigot Tee***

Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex)	Pentair Water
100 x 100	4730-6069	★	★
150 x 150	4730-6070	★	★
200 x 200	4730-6071	★	★
250 x 250	4730-6072	★	★
300 x 250	4730-6073	★	★

Highlighted items are included in SA Water's Fittings Contract PC1112

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Tee - Spigot/Spigot/Branch Flange***  
*(FBE Coated (Preferred)/Cement Mortar Lined)*


Alternative Description

# *Spigot Hydrant Tee*

Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Mallet Foundry	Vinidex* SL
80 x 80	-----		*		
100 x 80	4730-6074	# *	*	*	
100 x 100	4730-2636	*	*	*	*
150 x 80	-----	# *	*	*	
150 x 100	4730-2635	*	*	*	*
150 x 150	4730-2634	*	*	*	*
200 x 80	4730-5030	# *	*	*	
200 x 100	4730-6075	*	*	*	*
200 x 150	4730-6076	*	*		*
200 x 200	4730-6077	*	*		*
250 x 80	4730-5034	# *	*	*	
250 x 100	4730-6078	*	*	*	*
250 x 150	4730-6079	*	*		*
250 x 200	4730-6080	*	*		*
250 x 250	4730-6081	*	*		*
300 x 80	4730-5039	# *	*	*	
300 x 100	4730-6082	*	*	*	*
300 x 150	4730-6083	*	*		*
300 x 200	4730-6084	*	*		*
300 x 250	4730-6085	*	*		*
300 x 300	4730-6086	*	*		*
375 x 80	4730-5045	# *	*	*	
375 x 100	4730-5046	*	*	*	*
375 x 150	-----	*	*		*
375 x 200	-----	*	*		*
375 x 250	-----	*	*		*
375 x 300	4730-5047	*	*		*
375 x 375	-----	*	*		*

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

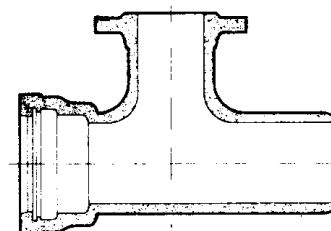
## Tee - Socket/Spigot/Branch Flange

(FBE Coated (Preferred)/Cement Mortar Lined)

## Alternative Description

# Hydrant Tee

† Air Valve &amp; Hydrant Tee



Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex) #	Pentair Water †	Mallet Foundry †	Vinidex*	
					SL	SLII
80 x 80	-----	★				
100 x 80	4730-4916	★	★	★		★
100 x 100	-----	★	★	★		★
150 x 80	4730-4917	★	★	★		★
150 x 100	-----	★	★	★		★
150 x 150	-----	★				
200 x 80	4730-6087	★	★	★		★
200 x 100	-----	★	★	★		★
200 x 150	-----	★				
200 x 200	-----	★				
250 x 80	4730-6088	★	★	★		★
250 x 100	-----	★	★	★		★
250 x 150	-----	★				
250 x 200	-----	★				
250 x 250	-----	★				
300 x 80	4730-6089	★	★	★	★	
300 x 100	-----	★	★	★	★	
300 x 150	-----	★				
300 x 200	-----	★				
300 x 250	-----	★				
300 x 300	-----	★				
375 x 80	-----	★	★	★		
375 x 100	-----	★	★	★		
375 x 150	-----	★				
375 x 200	-----	★				
375 x 250	-----	★				
375 x 300	-----	★				
375 x 375	-----	★				

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Tee Scour - Socket/Socket/Flange***  
***Tee Scour - Spigot/Spigot/Flange***  
*(FBE Coated (Preferred)/Cement Mortar Lined)*



Alternative Description

***Scour Tee***
***Remote Air Valve Tee***

Nom. Size DN x dn (Br)	SA Water Stock No.	NIBF (Iplex)	Pentair Water	Vinidex*	
				SL	SLII
<b><i>Socket /Socket/Flange</i></b>					
100 x 80	-----		*		
150 x 80	4730 - 1059	*	*	*	*
200 x 80	4730 - 2043	*	*	*	*
250 x 100	4730 - 1034	*	*	*	*
300 x 100	4730 - 1038	*	*	*	
375 x 100	-----	*	*		
<b><i>Spigot /Spigot/Flange</i></b>					
250 x 100	4730-4840	*	*		
300 x 100	4730-4842	*	*		

Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

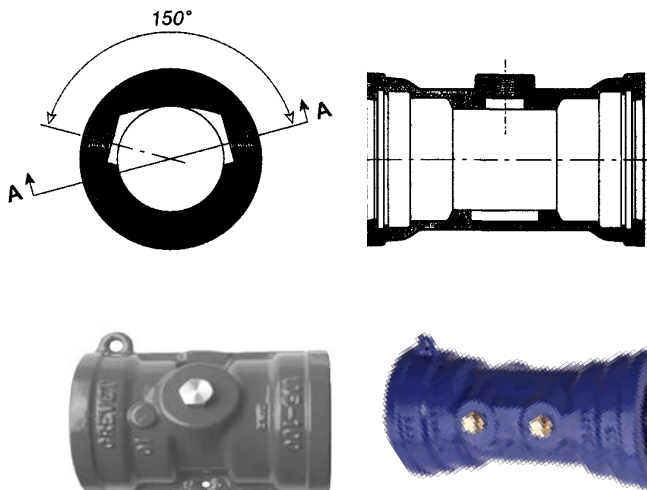
## *Pre-Tapped Connectors*

( FBE Coated )

Alternative Description (Product Marking)

***Pre-Tapped Connector***
***Readytap Connector***  $\Psi$ 
***Supertap***  $\phi$ 

Soc/Soc and Soc/Spig

**Note : Soc/Spig only authorised for  
DICL pipes only**
***For DICL and PVC Pipes***


Size DN Pipe x BSP Tapped Boss	Material	NIBF (Iplex)	Pentair Water	Dobbie Dico	Stockbrands $\phi$	Vinidex* SL SLII	Derwent Industries
--------------------------------------	----------	-----------------	------------------	----------------	-----------------------	---------------------	-----------------------

### *Single Tapping Each Side*

100 mm x 20 mm	4730-0080	DICL	*	*			*
100 mm x 25 mm	4730-6029	DICL	*	*			*
100 mm x 32 mm	4730-6030	DICL	*	*			*
100 mm x 40 mm	4730-6031	DICL	*	*			*
100 mm x 50 mm	4730-6032	DICL	*	*		*	*
150 mm x 20 mm	4730-6034	DICL	*	*			*
150 mm x 25 mm	4730-6035	DICL	*	*			*
150 mm x 32 mm	4730-6036	DICL	*	*			*
150 mm x 40 mm	4730-6037	DICL	*	*			*
150 mm x 50 mm	4730-6038	DICL	*	*		*	*
100 mm x 20 mm	-----	Nylon			*		

### *Twin Tapping Each Side*

100 mm x 20 mm	4730-6033	DICL	*	*	*	*	*
100 mm x 25 mm		DICL				*	*
150 mm x 20 mm	4730-6039	DICL	*	*	*	*	*
150 mm x 25 mm		DICL				*	*
150 mm x 20 mm		Nylon			*		

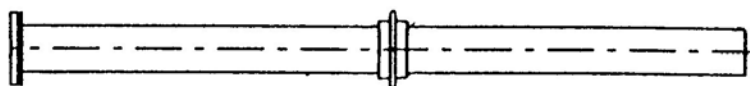
Highlighted items are included in SA Water's Fittings Contract PC1112

\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Extension Pipe - Flange/Spigot With Puddle Flange*



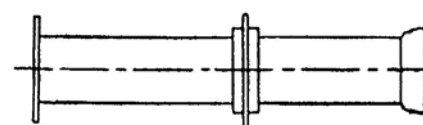
Note : Pipework is Ductile Iron.

Nom. Size DN x Length	SA Water Stock No.	NIBF (Iplex)	Pentair Water
100 x 2700	4730-5111	★	★
150 x 2700	4730-5112	★	★
200 x 2700	4730-5113	★	★
250 x 3100	-----	★	★
300 x 3100	-----	★	★
375 x 3100	-----	★	★

Highlighted items are included in SA Water's Fittings Contract PC1112

SA Water Product Description

## *Extension Pipe - Flange/Socket With Puddle Flange*


**Alternative Description**  
Thrust Connector

Note : Pipework is Ductile Iron.

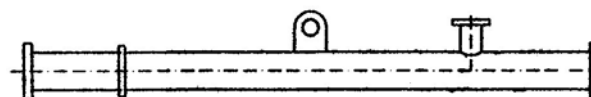
Standard Product is cast DI and FBE coated, alternatively they can be manufactured from DICL pipe where  
L = Length to suit application - Minimum length shall be 450 mm

Nom. Size DN x Length	SA Water Stock No.	NIBF (Iplex)	Pentair Water
100 - 750 x L	-----	★	★
100 x 450 Casting	4730-5115	100 x 600 long	★
150 x 450 Casting	4730-5116	★150 x 600 long	★
200 x 450 Casting	4730-5117	★150 x 600 long	★
250 x 600 Casting	-----	★	
300 x 915 Casting	-----	★	
375-600 x 900 Casting	-----	★	

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

# ***Extension Pipe - Flange/Flange With Thrust Ring & 80mm Flanged Fire Plug Offtake***



Note : Ottoway Engineering Pipework is Mild Steel Cement Lined (MSCL )  
Fusion Plast, Civil Pipelines Australia and Statewide Poly pipework is Butt Welded PE

Nom. Size DN	SA Water Stock No.	Ottoway Engineering	Fusion Plas	Civil Pipelines Australia	Statewide Poly
100	4730-4976	★	★	★	★
150	4730-4977	★	★	★	★
200	4730-5099	★		★	★
250	-----	★		★	★
300	-----	★		★	★
375	-----	★		★	★

Can also  
assembled using flanged DICL fittings

be

SA Water Product Description

# ***Flanges - Stainless Steel, Shut-Off, With Lifting Handle***

Alternative Description

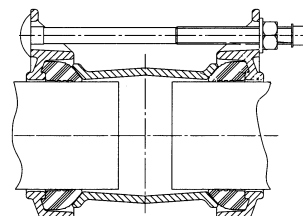
Nom. Size DN	SA Water Stock No.	Ottoway Engineering
100	4730-4972	★
150	4730-4973	★
200	4730-5101	★
250	-----	★
300	-----	★
375	-----	★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

## ***Multi Fit Straight Coupling***

*(FBE Coated Body and End Clips)*



## Alternative Description

**# Multigib Coupling (Long Sleeve preferred)**

**§ Easigib Coupling**

**† Vari-Gib Coupling (Long Sleeve preferred)**

**Ψ Supa Coupling**

**ΔΔ Maxifit Coupling (Long Sleeve preferred)**

**Note:** These products have Grade 316 Stainless Steel bolts and have a life expectancy of 50 (+) years and can be used on all standard pipe materials (except PE).

**Bitumen coated end clips shall not be used.**

**All couplings to be installed in accordance with Manufacturers Specification.**

Nom. Size DN	Stock Number	AVK Model 601 Trim 4312 Ψ (Iplex)	Pentair Water # & § Incl (Wang) †	Viking Johnson Maxifit ΔΔ (Philmac)
50 ^	4730-2250	★ (Short)	† #	ΔΔ (long)
80 ^	4730-2649	★ (long)	#	ΔΔ (long)
100 ^	4730-2650	★ (long)	† § #	ΔΔ (long)
150 ^	4730-2651	★ (long)	† § #	ΔΔ (long)
200 ^	4730-2652	★ (long)	† #	ΔΔ (long)
250 ^	4730-3361	★ (long)	† #	ΔΔ (long)
300 ^	4730-3161	★ (long)	† #	ΔΔ (long)
375 ^	4730-1537	★ (long)	† #	ΔΔ (long)
400 ^	-----	★ (long)		

### ***Additional Contract Items***

100 ^	4730-6141	†
150 ^	4730-6142	†
200 ^	4730-6143	†

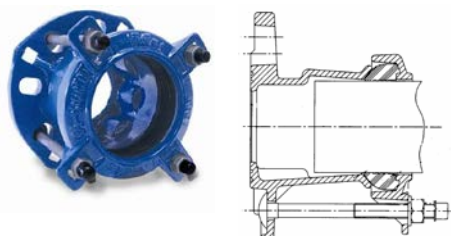
Highlighted items are included in SA Water's Fittings Contract PC1112

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

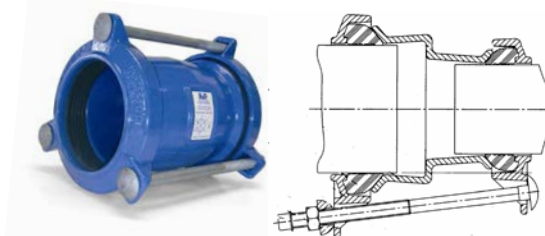
## SA Water Product Description

## *Multi Fit Special Coupling*

*(FBE Coated Body and End Clips)*



Adaptor Flange



Stepped Coupling

## Alternative Description

***β Supa Stepped Coupling***

***φ Supa Adaptor Flange***

**Note:** These products have Grade 316 Stainless Steel bolts and have a life expectancy of 50 (+) years and can be used on all standard pipe materials (except PE).

**Bitumen coated end clips shall not be used.**

**All couplings to be installed in accordance with Manufacturers Specification.**

### Stepped Couplings

Nom. Size DN	AVK Model 602 Trim 4312 β (Iplex)	Pentair Water # (Wang) †
50 ^	★	★
80 ^	★	★
100 ^	★	★
150 ^	Full range of size combinations	★
200 ^		★
250 ^		★
300 ^	★	★
375 ^	★	★
400 ^	★	★
100 x 80	★	†
100 x 125	★	
125 x 150	★	

### Adaptor Flange Couplings

AVK Model 603 Trim 4312 φ (Iplex)	
50 ^	★
80 ^	★
100 ^	Full range of size combinations
150 ^	
200 ^	
250 ^	★
300 ^	★
375 ^	★
400 ^	★



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Stainless Steel Gibaults*

*(316 Stainless Steel Body and FBE Coated DI End Rings)*



(Bolted unrestrained mechanical coupling for waterworks purposes.  
Intended for jointing of pipes, other than PE)

Nom. Size DN	DEKS (Flex-Gib)
100	★
150	★
200	★
250	★
300	★
350	★
375	★
400	★
450	★

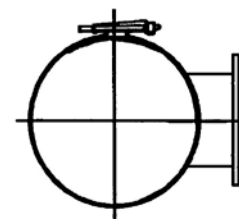
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

***Flanged Offtakes***

## Alternative Description

# *Watgas Flanged Collar*

\**Flanged Offtakes 316 Stainless Steel*

**Note:**

- Size on Size drilling not permitted
- Only authorised Under Pressure Tapping Service Companies are to install these fittings

Size DN x dn (Br)	SA Water Stock No.	R.M.C. #	Pentair Water (Wang)	Crevet (Iplex)
100 x 100	4730-4829	100 x 80 plus 80 - 100 Fl.- Soc. Taper		
150 x 80	4730-4830	*	*	*
150 x 100	4730-4715	*	*	*
200 x 100	4730-4831	*	*	*
200 x 150	4730-4832		*	*
250 x 100	-----	*	*	*
250 x 150	-----		*	*
300 x 100	-----	*	*	*
300 x 150	-----		*	*
300 x 200	-----		*	
300 x 250	-----		*	
375 x 100			*	
375 x 150			*	
375 x 200			*	
375 x 250			*	
375 x 300			*	

## SA Water Product Description

***Boss - Tapped, Weld On***

## Alternative Description



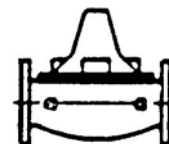
Size BSP	SA Water Stock No.	Ottoway Engineering
15	4730-1294	*
20	4730-1295	*
25	4730-1532	*
32	4730-1296	*
40	On Request	*

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

***Valve - Pressure Reducing***

## Alternative Description

**PRV**
**Pressure Reducing Valve**


*Note: Can also be configured as Pressure Sustaining Valve, Altitude Valve, Solenoid Valve or combinations*

Nom. Size DN mm	SA Water Stock No.	M E Mack (Model 13312A2)	Singer	Bermad
40	-----	★	★	
50	-----	★	★	★
80	4820-3164	★	★	★
100	4820-3165	★	★	★
150	4820-3166	★	★	★
200	4820-3167	★	★	★
250	4820-3168	★	★	★
300	4820-3169	★	★	★
400	-----		★	★

Highlighted items are included in SA Water's Valve Contract PC1111

## SA Water Product Description

***Valve - Pressure Relief***

## Alternative Description



Nom. Size DN mm	SA Water Stock No.	M E Mack (Model 7248)
15	-----	★
20	-----	★
25	-----	★
50	-----	★

## SA Water Product Description

***Valve - Globe Needle***

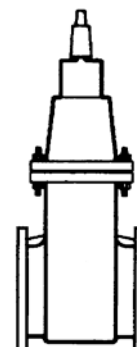
## Alternative Description

Nom. Size DN mm	SA Water Stock No.
10	4820-1088

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Valve - Resilient Seat***  
***Gate Valve Double Flanged***  
*(Manually Operated Valve to AS2638 Part 2*  
*Square drive and clockwise closing)*


**For Buried Applications**

Alternative Description

*Sluice Valve - Flanged*
*Stop Valve - Flanged*

Nom. Size DN (Pressure)	SA Water Stock No. (1.6 MPa)	AVK (Iplex) Series 57/40 (1.6 MPa)	Pentair (1.6 MPa)	Karon (Challenger) (1.6MPa)	AVK (Iplex) PN25 (2.5 MPa) Series 57/80 Table "F" Flanges	AAP Industries Pty Ltd (Maxiflo)
					<b>Interim Authorisation</b>	<b>Interim Authorisation</b>
50 (1.6 MPa)		★				
65 (1.6 MPa)		★				
80 (1.6 MPa)	4820-2001	★	★	★	★	★
100 (1.6 MPa)	4820-2002	★	Auslite	★	★	★
150 (1.6 MPa)	4820-2003	★	Auslite	★	★	★
200 (1.6 MPa)	4820-2004	★	★	★	★	★
225 (1.6 MPa)	4820-2005	★	★	★	★	★
250 (1.6 MPa)	4820-2006	★	★	★	★	★
300 (1.6 MPa)	4820-2007	★	★	★	★	★
375 (1.6 MPa)	4820-3001	★	★	★		
400 (1.6 MPa)	4820-3002	★		★		
		<b>Series 55</b>				
450 (1.6 MPa)	4820-3003	★	★			
450 Gear Operated	4820-3004	★	★			
500 (1.6 MPa)	4820-3005	★#	★			
500 Gear Operated	4820-3006	★	★			
Larger sizes Available (to DN600)#		★	★			

Highlighted items are included in SA Water's Valve Contract PC1111

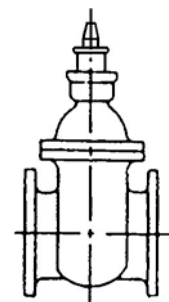
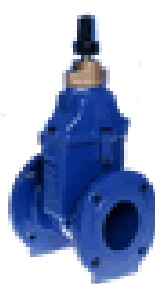
# Also available with inbuilt bypass configuration in sizes DN450 – DN600 (Series 55/30)

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Valve - Metal Seat Gate Valve Double Flanged*

*(Pressure Rating 3.5 MPa)  
(Manually Operated Valve to AS2638 Part 1  
Square drive and clockwise closing)*


**For Buried Applications**

Alternative Description

*Stop Valve – Flanged Metal Seated*

Nom. Size DN (Pressure)	SA Water Stock No.	AVK (Iplex)	Pentair Water
Note These valves are for higher pressure applications up 3.5 MPa (350 m head)			
80	4820-2008	★	★
100	4820-2009	★	★
150	4820-2010	★	★
200	4820-2011	★	★
250	4820-2012	★	★
300	4820-2013	★	★
300 Gear Operated	4820-2042	x	★
350	4820-2014	x	x
350 Gear Operated	4820-2043	x	x
400	4820-3007	★	x
400 Gear Operated	4820-3008	x	x
450	4820-3009	★	★
450 Gear Operated	4820-3010	x	★
500	4820-3011	★	★
500 Gear Operated	4820-3012	x	★
600	4820-3013	★	★
600 Gear Operated	4820-3014	x	★
700	4820-3015	x	x
700 Gear Operated	4820-3016	x	x
800	4820-3017	x	x
800 Gear Operated	4820-3018	x	x
900	4820-3019	x	★
900 Gear Operated	4820-3020	x	x
1000	4820-3021	x	x
1000 Gear Operated	4820-3022	x	x
1100	4820-3023	x	x
1100 Gear Operated	4820-3024	x	x
1200	4820-3025	x	x
1200 Gear Operated	4820-3026	x	x

Highlighted items are included in SA Water's Valve Contract PC1111

Valves shown with x not currently manufactured but are authorised if they meet the requirements of AS2638-1

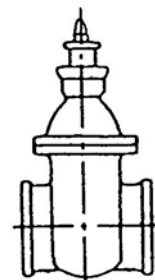
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Valve - Resilient Seat  
Gate Valve Double Socket  
(Manually Operated to AS2638 Part 2-  
Pressure Rating 1.6 MPa)***

**For Buried, Restrained Joint applications ONLY**

Alternative Description

***Stop Valve –Resilient Seated - Socketed***


Size DN Pipe	SA Water Stock No.	AVK (Iplex) #	Pentair Water	AAP Industries Pty Ltd (Maxiflo)
				<b>Interim Authorisation</b>
100 (1.6 MPa)	4820-0196	★	Auslite Φ	★
150 (1.6 MPa)	4820-0200	★	Auslite Φ	★
200 (1.6 MPa)	4820-0755	★	★	★

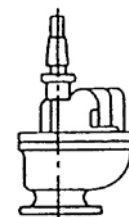
# Series 2 (CI OD Equivalent) and Series 1 (ISO equivalent) available

Φ Auslite Valves are available with “Anchor Legs” for valve restraint. Legs purchased separately.

SA Water Product Description

***Fire Hydrant - Fireplug  
Fire Hydrant - Below Ground***

Alternative Description

***Fireplug (flanged)***
***Fireplug – Air valve***


Nom. Size DN	SA Water Stock No.	AVK (Iplex)	Pentair Water	Civil Pipelines Australia
80mm (1.6 MPa)	4210-0031	★	★	★
80mm (3.5 MPa)	4210-0032		★	

Highlighted items are included in SA Water’s Valve Contract PC1111

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## Valve - Non Return

### (Wafer Type- Pressure Rating 1.6 MPa)

\* Not for buried applications

Alternative Description

**Uni-check**

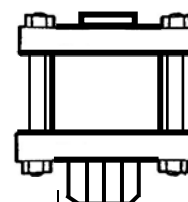

Nom. Size DN (Pressure)	Stock Number	Crane (Iplex)	Keystone Pentair (Keystone 86)
80	4820-2015	★	★
100	4820-2016	★	★
150	4820-2017	★	★
200	4820-2018	★	★
250	4820-2019	★	★
300	4820-2020	★	★
400	4820-3149	★	★
450	4820-3150	★	★
500	4820-3151	★	★
600	4820-3152	★	★

Highlighted items are included in SA Water's Valve Contract PC1111

SA Water Product Description

## Valve - Air Release

### (Pressure Rating 1.6 and 2.5 MPa)



Alternative Description

Nom. Size DN (Pressure)	Stock Number	AVK (Iplex) (Series 851)		AVK (Iplex) Double Orifice		Ventomat  RBX Series	Amiad		Bermad	
		1.6 MPa #	2.5 MPa #	Glass- Reinforced	DI		1.6 MPa	2.5 MPa	1.6 MPa	2.5 MPa
25 (Screwed BSP)	4820-3154	★				★				
50 (Screwed BSP)	4820-0146	★	★	★	★	★	★	★	★	★
80	4820-3155	★	★		★	★	★	★	★	★
100	4820-3156	★	★		★	★	★	★	★	★
150	4820-3157	★	★		★	★	★	★	★	★
200	4820-3158	★	★			★	★	★	★	★

Highlighted items are included in SA Water's Valve Contract PC1111

# Flanges to AS 4087 and valves coated to AS 4158



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Valve - Combination Air*

*(GRP Pressure Rating 1.6 Mpa - Operating Pressure range: 0.1 – 1.6 Mpa).*



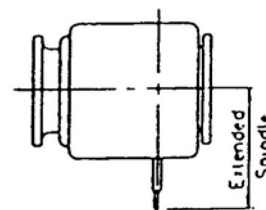
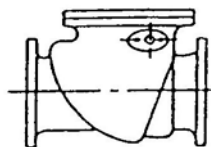
Nom. Size	Bermad (Model C30) Material - GRP
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DN 20	★
DN 25	★
DN 50	★
DN 80	★

SA Water Product Description

## *Valve - Swing Check*

*(Ductile Iron, FBE Coated - Flange/Flange to AS4794  
Pressure Rating 1.6 MPa and with extended spindle)*


**Note : Not for buried applications**

Size DN Pipe	SA Water Stock No.	AVK (Iplex) #	Pentair Water
<b><i>Resilient Seated</i></b>			
80		★	
100	4820-2035	★	★
150	4820-2036	★	★
200	4820-2037	★	
250	4820-3146	★	
300	4820-3147	★	

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS*****Metal Seated***

80	4820-2028	★
100	4820-2029	★
150	4820-2030	★
200	4820-2031	★
250	4820-2032	★
300	4820-2033	★
400	4820-2034	★
450	4820-3143	★
500	4820-3144	★
600	4820-3145	★

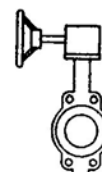
Highlighted items are included in SA Water's Valve Contract PC1111

# Limit Switch and Bracket Kit available

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Valve - Butterfly  
Wafer Type  
Pressure Rating 1.6 MPa***


Note : **Not for buried applications**

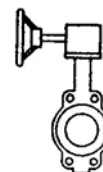
Size DN Pipe	Without Gearbox SA Water Stock No.	With Gearbox SA Water Stock No.	AVK (Iplex)	Keystone Pentair	Ebro	Turnflo	Wouter Witzel EVS (AVK)
50	4820-3027	4820-3028	*	*	*	*	*
65	4820-3029	4820-3030	*	*	*	*	*
80	4820-3031	4820-3032	*	*	*	*	*
100	4820-3033	4820-3034	*	*	*	*	*
125	4820-3035	4820-3036	*	*	*	*	*
150	4820-3037	4820-3038	*	*	*	*	*
200	4820-3039	4820-3040	*	*	*	*	*
250	4820-3041	4820-3042	*	*	*	*	*
300	4820-3043	4820-3044	*	*	*	*	*
350	4820-3045	4820-3046	*	*			*
400	4820-3047	4820-3048	*	*			
450	4820-3049	4820-3050	*	*			
500	4820-3051	4820-3052	*	*			
600	4820-3053	4820-3054	*	*			
700	4820-3055	4820-3056					
750	4820-3057	4820-3058					
800	4820-3059	4820-3060					
900	4820-3061	4820-3062					
1000	4820-3063	4820-3064					
1200	4820-3065	4820-3066					

Highlighted items are included in SA Water's Valve Contract PC1111

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Valve - Butterfly  
Lugged Type  
Pressure Rating 1.6 MPa***


**Note : Not for buried applications**

Size DN Pipe	Without Gearbox SA Water Stock No.	With Gearbox SA Water Stock No.	AVK (Iplex)	Keystone Pentair	Ebro
50	4820-3067	4820-3068	★	★	
65	4820-3069	4820-3070	★	★	
80	4820-3071	4820-3072	★	★	
100	4820-3073	4820-3074	★	★	
125	4820-3075	4820-3076	★	★	
150	4820-3077	4820-3078	★	★	
200	4820-3079	4820-3080	★	★	
250	4820-3081	4820-3082	★	★	
300	4820-3083	4820-3084	★	★	
350	4820-3085	4820-3086	★	★	
400	4820-3087	4820-3088	★	★	
450	4820-3089	4820-3090	★	★	
500	4820-3091	4820-3092	★	★	
600	4820-3093	4820-3094	★	★	
700	4820-3095	4820-3096			
750	4820-3097	4820-3098			
800	4820-3099	4820-3100			
900	4820-3101	4820-3102			
1000	4820-3103	4820-3104			
1200	4820-3105	4820-3066			

Highlighted items are included in SA Water's Valve Contract PC1111

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Valve – Butterfly***  
***Double Flanged Type to AS 4795***  
***Pressure Rating 1.6 MPa***


**Note : Not to be used for buried applications without approval**

Size DN Pipe	Without Gearbox SA Water Stock No.	With Gearbox SA Water Stock No.	AVK (Iplex) Series 813/82	Keysto ne Pentair	Ebro	Wouter # Witzel EVS (AVK)
50	4820-3107	4820-3108				★
65	4820-3109	4820-3110				★
80			★	§	§	★
100	4820-3111	4820-3112	★	§	§	★
150	4820-3113	4820-3114	★	§	§	★
200	4820-3115	4820-3116	★	§	§	★
250	4820-3117	4820-3118	★	§	§	★
300	4820-3119	4820-3120	★	§	§	★
350	4820-3121	4820-3122	§	§	§	★
400	4820-3123	4820-3124	§	§	§	★
450	4820-3125	4820-3126	§	§	§	
500	4820-3127	4820-3128	§	§	§	
600	4820-3129	4820-3130	§	§	§	
700	4820-3131	4820-3132	§	§	§	
750	4820-3133	4820-3134	§	§	§	
800	4820-3135	4820-3136				
900	4820-3137	4820-3138				
1000	4820-3139	4820-3140				
1200	4820-3141	4820-3142				
	4820-3143	4820-3144				
	4820-3145	4820-3146				

§ Interim Authorisation until testing to the new Australian Standard completed

# Does not comply fully with AS 4795

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## ***Valve - Resilient Seat Gate Valve***

### ***with PE Pipe Connection Ends***

***(Pressure Rating 1.6 MPa)***

***Square drive and clockwise closing***



Series 36/80



Series 01/70



Series 16/50

**For Buried Applications**

Alternative Description

Nom. PE Pipe Size (Equivalent Valve size)	SA Water Stock No.	AVK (Iplex)
<b>SERIES 36/80 (Fusion or Butt welded applications)</b>		
75		★
90		★
110		★
125 (DN100 equiv)		★
180 (DN150 equiv)		★
250 (DN200 equiv)		★
315 (DN250 equiv)		★
<b>SERIES 01/70 (Tensile Resistant PE ends – Restrained Joint)</b>		
90		★
110		★
125 (DN100 equiv)		★
180 (DN150 equiv)		★
250 (DN200 equiv)		★
315 (DN250 equiv)		★
<b>SERIES 16/50 (POM With Tensile Resistant Socket Joints for PE-pipes)</b>		
63		★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Jointing Kits with Stainless Steel or Galvanised Bolts*


Alternative Description  
**Gasket Set**

Includes EPDM Gasket plus Bolts, Nuts and Washers to suit

Size DN Pipe	316 Stainless Steel Bolts SA Water Stock No.	Galvanised Bolts SA Water Stock No.	High Tensile Bolts SA Water Stock No.	Iplex	Keystone Pentair	Civil Pipelines Australia
<b><i>To suit PN16 (1.6MPa) Flanges</i></b>						
50	5330-2024	5330-2001		★		★
65	5330-2025	5330-2002		★		★
80	5330-2026	5330-2003		★	★	★
100	5330-2027	5330-2004		★	★	★
125	5330-2028	5330-2005		★		★
150	5330-2029	5330-2006		★	★	★
200	5330-2030	5330-2007		★	★	★
225	5330-2031	5330-2008		★	★	★
250	5330-2032	5330-2009		★	★	★
300	5330-2033	5330-2010		★	★	★
350	5330-2034	5330-2011		★	★	★
375	5330-2035	5330-2012		★	★	★
400	5330-2036	5330-2013		★	★	★
450	5330-2037	5330-2014		★	★	★
500	5330-2038	5330-2015		★	★	★
525	5330-2039	5330-2016		★		★
600	5330-2040	5330-2017		★	★	★
700	5330-2041	5330-2018		★	★	★
750	5330-2042	5330-2019				★
800	5330-2043	5330-2020				
900	5330-2044	5330-2021				
1000	5330-2045	5330-2022				
1200	5330-2046	5330-2023				

***To suit PN35 (3.5MPa) Flanges***

80	5330-2061	5330-2048	5330-2074	★	★	★
100	5330-2062	5330-2049	5330-2075	★	★	★
125	5330-2063	5330-2050		★		★
150	5330-2064	5330-2051	5330-2076	★	★	★
200	5330-2065	5330-2052	5330-2077	★	★	★
225	5330-2066	5330-2053	5330-2078	★	★	★
250	5330-2067	5330-2054	5330-2079	★	★	★



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**
**Jointing Kits (continued)**

Size DN Pipe	316 Stainless Steel Bolts	Galvanised Bolts	High Tensile Bolts	Iplex	Keystone Pentair	Civil Pipelines Australia
	SA Water Stock No.	SA Water Stock No.	SA Water Stock No			
To suit PN35 (3.5MPa) Flanges (Continued)						
300	5330-2068	5330-2055	5330-2080	★	★	★
375	5330-2069	5330-2056	5330-2081	★	★	★
400	5330-2070	5330-2057		★	★	★
450	5330-2071	5330-2058	5330-2082	★	★	★
500	5330-2072	5330-2059	5330-2083	★	★	★
600	5330-2073	5330-2060	5330-2084	★		★

**Wafer Butterfly Valves**

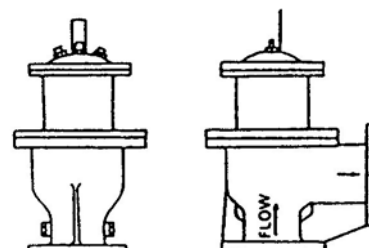
50	5330-210	5330-2085		*	*	*
65	5330-210	5330-2086		*	*	*
80	5330-2109	5330-2087		*	*	*
100	5330-2110	5330-2088		*	*	*
125	5330-2111	5330-2089			*	
150	5330-2112	5330-2090		*	*	*
200	5330-2113	5330-2091		*	*	*
250	5330-2114	5330-2092		*	*	*
300	5330-2115	5330-2093		*	*	*
350	5330-2116	5330-2094			*	
375	5330-2117	5330-2095		*		*
400	5330-2118	5330-2096		*	*	*
450	5330-2119	5330-2097		*	*	*
500	5330-2120	5330-2098			*	
525	5330-2121	5330-2099		*		*
600	5330-2122	5330-2100		*	*	*
700	5330-2123	5330-2101				
750	5330-2124	5330-2102				
800	5330-2125	5330-2103				
900	5330-2126	5330-2104				
1000	5330-2127	5330-2105				
1200	5330-2128	5330-2106				

**Lugged Butterfly Valves**

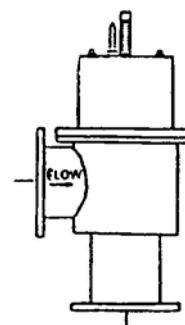
50	5530-2143	5530-2129		*		*
65	5530-2144	5530-2130		*		*
80	5530-2145	5530-2131		*		*
100	5530-2146	5530-2132		*		*
125	5530-2147	5530-2133		*		*
150	5530-2148	5530-2134		*		*
200	5530-2149	5530-2135		*		*
250	5530-2150	5530-2136		*		*
300	5530-2151	5530-2137		*		*
350	5530-2152	5530-2138		*		*
400	5530-2153	5530-2139		*		*
450	5530-2154	5530-2140		*		*
500	5530-2155	5530-2141		*		*
600	5530-2156	5530-2142		*		*

Highlighted items are included in SA Water's Valve Contract PC1111

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description     ***Valve - Hydraulic Operated Control  
(Double Flanged - Stainless Steel)***

Alternative Description  
***HOCV***

Size DN Pipe	SA Water Stock No.	AVK
100 (1.4 MPa)	4820-0739	★
200 (1.4 MPa)	4820-0740	★

SA Water Product Description     ***Valve - Hydraulic Operated Sleeve  
(Double Flanged - Stainless Steel)***

Alternative Description  
***HOSV***

Size DN Pipe	AVK
200 (1.4 MPa)	★
200 (1.7 MPa)	★
250 (1.4 MPa)	★
250 (1.7 MPa)	★
300 (1.4 MPa)	★
300 (1.7 MPa)	★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Valve - Spindle Extension*

Alternative Description

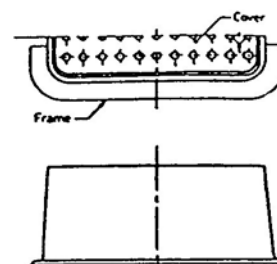
*Spindle Extension Valve*


Extension Nominal Length (mm)	SA Water Stock No.	Iplex	Hadaway	Pentair	Civil Pipelines Australia
150	4820-0016	*	*	*	*
300	4820-0017	*	*	*	*
450	4820-0019	*	*	*	*
600	4820-0020	*	*	*	*
750	4820-0021	*	*	*	
900	4820-0023	*	*	*	
1050	-----	*	*	*	
1200	-----	*	*	*	

SA Water Product Description

## *Cable Access Cover and Frame*

Alternative Description

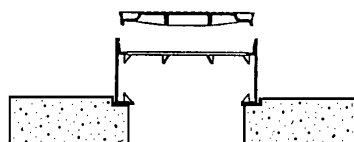
*Electrical cable access cover and frame*
*Cathodic Protection access cover and frame*


Item	SA Water Stock No.	Bianco (PCP)
Frame	5680-0125	*
Cover - Earth Stake	5680-0247	*
Cover - Cathodic Protection	5680-0124	*

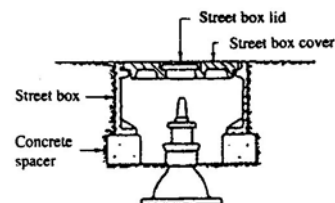
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

## *Street Box Assembly - Heavy Duty*



*Type 1 - Slab type (Preferred)*



*Type 2 - Circular support*

## Alternative Description

### *Two Piece Lid Street Box*

Item	SA Water Stock No.	Bianco (PCP)	Pentair Water	WASA (Cooke Pre Cast)	Webforge	Civil Pipelines Australia
Cover (Two Piece Lid)	5680-0060	★	★	★	★	★
Lid-Valve Access	5680-0065	★	★	★	★	★
Street Box - Cast (Full Height)	5680-0061	★	★	★	★	★
Street Box - Cast (Half Height)	5680-0230	★		★	★	★
<b><u>Type 1 Support - Slab Type ( Preferred Option)</u></b>						
Concrete slab 1200 x 800 x 125 thick	5680-0050	★		★		
<b><u>Type 2 Support - Circular Ring</u></b>						
600 dia x 75 thick	5680-0072	★		★		
600 dia x 140 thick	5680-0049	★		★		

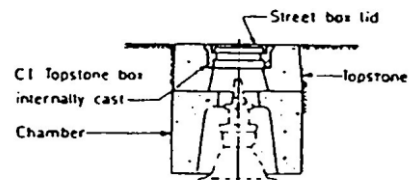
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Topstone & Chamber Assembly*

*(For use in unpaved roads)*

Alternative Description



Item	SA Water Stock No.	Bianco (PCP)
Topstone with Box (includes Lid)	5680-0045	★
Lid	5680-0065	★
Chamber (420 x 265)	5680-0043	★
<b>Spacer</b>		
420 x 50	5680-0260	★
420 x 75	5680-0261	★
420 x 100	5680-0262	★
420 x 150	5680-0263	★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Isolating Valve Chamber - Heavy Duty  
(For use in paved roads)***

*Type B*

Alternative Description

Item	SA Water Stock No.	AVK (IPLEX)	Bianco (PCP)	WASA (Cooke Pre Cast)	Civil Pipelines Australia
DI 100mm Valve Chamber	5680-0067	★	★	★	★
Lid	5680-0066	★	★	★	★
Concrete slab 500 x 500 x 125 thick			★	★	

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## *Isolating Valve Chamber - Light Duty*

*(Not to be used in roadways)*



Alternative Description

*Type C*

Item	SA Water Stock No.	AVK (IPLEX)
DI 100mm Valve Chamber & Lid	5680-00??	★
Plastic Base		★

# This Chamber is **NOT** designed for road use



**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

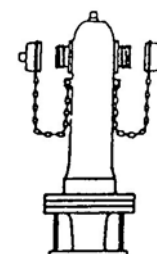
***Fire Hydrant - Pillar Type Lightweight***
***(Fabricated Stainless Steel, Key Operated,  
Firehose Thread Outlet)***


Alternative Description

***Lightweight Pillar Hydrant***

DN Pipe	SA Water Stock No.	Pentair Water
63	4210-0034	★

SA Water Product Description

***Fire Hydrant - Pillar Type Double Outlet***
***(Key Operated Firehose Thread Outlet)***


Alternative Description

***Double Head Pillar Hydrant***

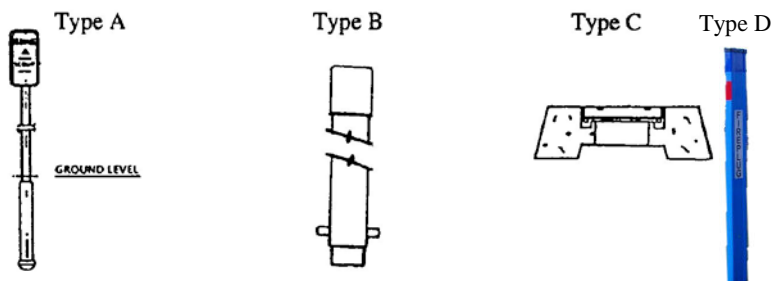
DN Pipe	SA Water Stock No.	Pentair Water
63	4210-0025	★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

## SA Water Product Description

*Signs and Markers*

## Alternative Description


**METAL MARKERS**

Item Description	Type	SA Water Stock No.	Peninsular Castings#	Ottoway Engineering	EZY-Drive	Pentair Water
Fireplug Sign with 32mm Galv. Post	A	9905-0103	★	★		
Scour Sign with 32mm Galv. Post	A	9905-0104	★	★		
Stop Valve Sign with 32mm Galv. Post	A	9905-0105	★	★		
Fireplug Sign only	A	9905-0109	★			
Scour Sign only	A	9905-0110	★			
Stop Valve only	A	9905-0111	★			
Sign, Electrical Cable - Thru' Arrow	C	9905-0340	★			
Sign, Electrical Cable - L Shaped Arrow	C	9905-0341	★			
Sign, Electrical Cable - Single Arrow	C	9905-0342	★			
Formed Steel Post – Fireplug Indicator	D	9905-0311			★	★

# Can manufacture signs with alternate wording as required eg Recycled Water Stop Valve

**PLASTIC MARKERS**

Item Description	Type	SA Water Stock No.	Autotherm	Wadham	Pentair Water
Post - Cathodic Protection Indicator	B		★		
Post - Fireplug Indicator	B	9905-0310	★		
Blue Cats Eye Reflectors					★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

## ***Tape Underground Warning***

NOTE : Non Detectable tape to be placed on overlay sand above pipe.

Detectable tape to be placed 100 - 150mm below finished ground level above pipe - Green in colour

Alternative Description

Item Description	SA Water Stock No.	Pentair Water	Tapex
'WARNING : RESTRAINED PIPELINE TYTON LOK FITTINGS' - Non Detectable		★	
'CAUTION : BURIED WATER MAIN BELOW' - Detectable	9330-0429		★ (880150)

SA Water Product Description

## ***Corrosion Protection System***

Alternative Description

Item Description	SA Water Stock No.	Denso
Petrolatum Tape System		★

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

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## AUTHORISED ITEMS for WATER RETICULATION SYSTEMS

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