

**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         | Vinindex 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  |
| 1 December 09 | Revision 03         | 54             | EZY-Drive Marker posts added   |
|               |                     | 50             | Ploy Street box removed  |
|               |                     | 52             | Isolating Valve Chamber-Heavy Duty added   |
| 1 August 10   |                     | 53             | Isolating Valve Chamber-Light Duty added   |
|               |                     | 1              | Micron PVC-O included, pipe colour BLUE added  |
| 1 February 12 | Addition            | 2              | Pentair Water "TYTONXCL, TYTONXTREME, TYTONXTEND" DICL Pipe<br>"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***

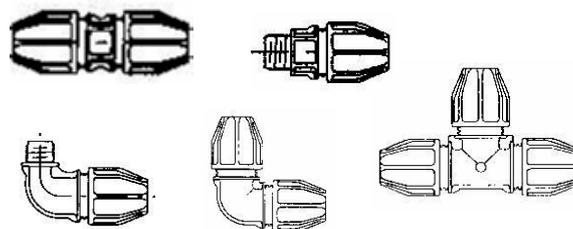
|                 |                               |                     |
|-----------------|-------------------------------|---------------------|
| Iplex Pipelines | Vinidex                       | DM Plastics & Steel |
| PPI             | Cromford Pipe (formally AFPM) |                     |
| Poly 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)



***Continued next Page***

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

*Polyethylene Pipe and Fittings (Continued)*

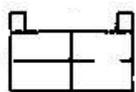
- Tita Coupling (Brass)



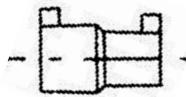
**Electrofusion Fittings** (to be in accordance with AS/NZS4129) - **All Sizes**

**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**

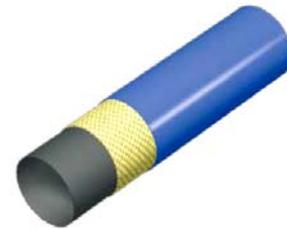
- Fusion Plast Australia
- Civil Pipelines Australia
- Dalkeith Plastics Pty. Ltd.
- Statewide Poly Service Pty. Ltd

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

*Polyethylene Pipe and Fittings (Continued)*

SA Water Product Description

***Polyethylene Liner***



| Nom. Size DN | Renflo<br>(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

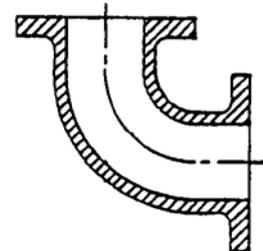
***Applicable WSAA Standards***

- 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<br>DN x deg | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>Dico | Mallet<br>Foundry | Vinidex*<br>SL | Derwent<br>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°            | -----                 | *               | *                |                | *                 | *              | *                     |

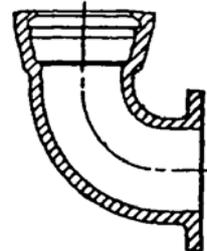
Highlighted items are included in SA Water's Fittings Contract PC1112

\* 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<br>DN x deg | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>Dico | Derwent<br>Industries | Gillies<br>Metaltech<br>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°            | -----                 |                 | *                |                | *                     |                             |

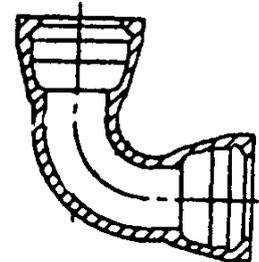
Highlighted items are included in SA Water's Fittings Contract PC1112

**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<br>DN x deg | SA Water<br>Stock No. | NIBF(Iplex)Φ<br>Std. CrevetSL | Pentair<br>Water# |         | Dobbie<br>Dico | Mallet<br>Foundry | Vinidex<br>* |      | Derwent^<br>Industries | Gillies<br>Metaltech<br>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°              | -----                 |                               | *                 | *       | *              | *                 | *            | *    | *                      | *                           |

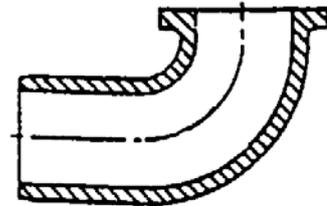
Highlighted items are included in SA Water's Fittings Contract PC1112

- Φ NIBF have two fittings ranges – Std. is rated PN35 and Crevet SL<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
- ^ 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***

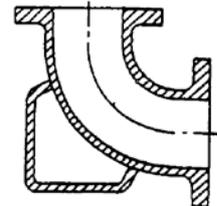
| Nom. Size<br>DN x deg | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Derwent <sup>^</sup><br>Industries |
|-----------------------|-----------------------|-----------------|------------------|------------------------------------|
| 80 x 90°              | 4730-0944             | *               | *                | *                                  |
| 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)*



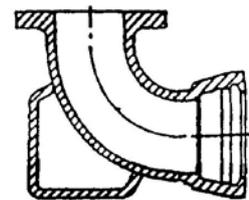
Alternative Description

| Nom. Size<br>DN | SA Water<br>Stock No. | NIBF<br>(Iplex) | Dobbie<br>Dico | Derwent<br>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***

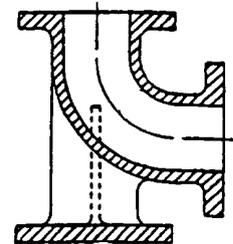
| Nom. Size<br>DN x dn (Flg) | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>Dico | Derwent<br>Industries |
|----------------------------|-----------------------|-----------------|------------------|----------------|-----------------------|
| 80 x 80                    | 4730-4666             |                 |                  |                |                       |
| 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)*



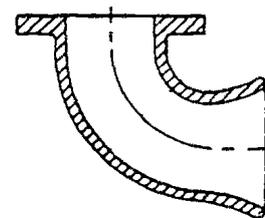
Alternative Description

***Duckfoot Bends***

| Nom. Size<br>DN | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>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<br>DN | SA Water<br>Stock No. | NIBF<br>(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<br>DN | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>Dico | Mallet<br>Foundry | Vinidex*<br>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<br>DN | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Vinidex*<br>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

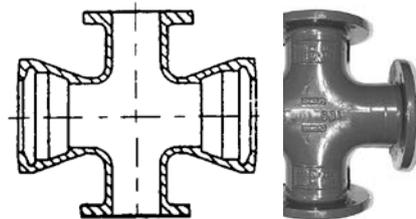
\* Vinidex have two fittings ranges - SL is rated PN35

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Cross Joint***

*(FBE Coated/Cement Mortar Lined)*



Alternative Description

| Nom. Size<br>DN x dn | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>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 | * | * |

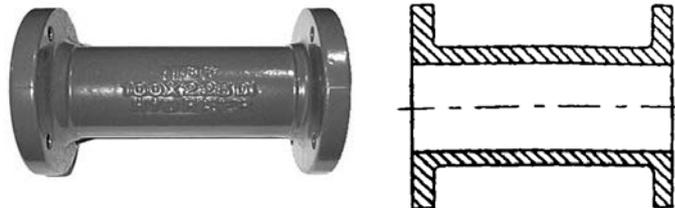
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

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 305  | 4730-1134 | 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 525  | -----     | *           |             |             |             | *           |
| 80 x 610  | 4730-1137 | 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<br>DN x<br>Length | SA Water<br>Stock No. | NIBF<br>(Iplex)      | Pentair<br>Water | Derwent<br>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<br>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<br>x<br>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**

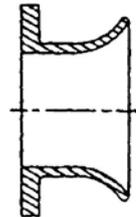
SA Water Product Description

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

Alternative Description

# ***Flanged Bellmouths***

† ***Bellmouths***



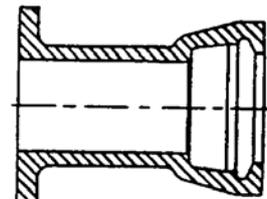
| Nom. Size<br>DN | SA Water<br>Stock No. | NIBF<br>(Iplex) # | Pentair<br>Water† |
|-----------------|-----------------------|-------------------|-------------------|
| 80              | -----                 | *                 |                   |
| 100             | 4730-1109             | *                 | *                 |
| 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<br>DN | SA Water<br>Stock No. | NIBF<br>(Iplex) # | Pentair<br>Water# | Dobbie<br>Dico | Mallet<br>Foundry# | Vinidex*<br>SL SLII | Gillies<br>Metaltech<br>Ltd |
|-----------------|-----------------------|-------------------|-------------------|----------------|--------------------|---------------------|-----------------------------|
| 80              | 4730-4670             | *                 |                   |                |                    |                     |                             |
| 100             | 4730-1546             | *                 | *                 | *              | *                  | *                   | *                           |
| 150             | 4730-1547             | *                 | *                 | *              | *                  | *                   | *                           |
| 200             | 4730-2254             | *                 | *                 | *              | *                  | *                   | *                           |
| 250             | 4730-2403             | *                 | *                 | *              | *                  | *                   | *                           |
| 300             | 4730-2404             | *                 | *                 | *              | *                  | *                   | *                           |
| 375             | -----                 | *                 | *                 |                | *                  | *                   |                             |

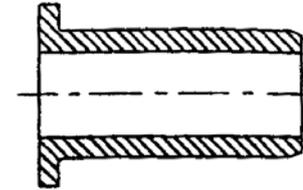
Highlighted items are included in SA Water's Fittings Contract PC1112

\* 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<br>DN x Length | SA Water<br>Stock No. | NIBF<br>(Iplex) # | Pentair<br>Water # | Dobbie<br>Dico # | Mallet<br>Foundry # | Vinidex*<br>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

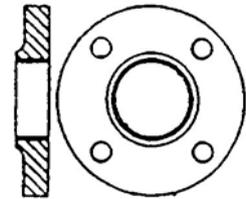
\*Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Flanges - Blind/Blank  
 Screwed BSP With/Without Location Lugs***

Alternative Description



| Nom. Size<br>DN           | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>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      | *                |                |

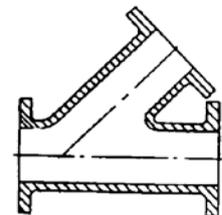
Highlighted items are included in SA Water's Fittings Contract PC1112

SA Water Product Description

***TEE - 45° Branch  
 - Flange/Flange With Flanged Branch  
 (FBE Coated (Preferred)/Cement Mortar Lined)***

Alternative Description

***Angle Branch***



| Nom. Size<br>DN x dn (Br) | SA Water<br>Stock No. | NIBF<br>(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***

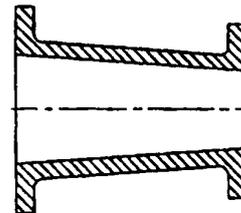
***Taper - Spigot/Flange***

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

Alternative Description

# ***Flange Taper***

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



| Nom. Size<br>DN x dn                | SA Water<br>Stock No. | NIBF<br>(Iplex) † | Pentair<br>Water † | Dobbie<br>Dico | Mallet<br>Foundry# | Vinidex*<br>SL | Derwent<br>Industries |
|-------------------------------------|-----------------------|-------------------|--------------------|----------------|--------------------|----------------|-----------------------|
| <b><i>Taper - Flange/Flange</i></b> |                       |                   |                    |                |                    |                |                       |
| 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<br>DN x dn                 | SA Water<br>Stock No. | NIBF<br>(Iplex) # | Pentair<br>Water# | Mallet<br>Foundry# | Vinidex* |      | Derwent<br>Industries | Gillies<br>Metaltech<br>Ltd |
|--------------------------------------|-----------------------|-------------------|-------------------|--------------------|----------|------|-----------------------|-----------------------------|
|                                      |                       |                   |                   |                    | SL       | SLII |                       |                             |
| <b><i>Taper - Socket/Socket</i></b>  |                       |                   |                   |                    |          |      |                       |                             |
| 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                            | -----                 | *                 | *                 | *                  | *        |      | *                     |                             |
| <b><i>Taper - Socket/ Flange</i></b> |                       |                   |                   |                    |          |      |                       |                             |
| 100x80                               | 4730-6047             | *                 | *                 |                    | *        | *    |                       |                             |
| 150x100                              | 4730-6048             | *                 | *                 |                    | *        | *    |                       |                             |
| 200x150                              | 4730-6049             | *                 | *                 |                    | *        | *    |                       |                             |
| 250x200                              | 4730-6050             | *                 | *                 |                    | *        | *    |                       |                             |
| 300x250                              | 4730-6051             | *                 | *                 |                    | *        |      |                       |                             |
| <b><i>Taper - Spigot/Spigot</i></b>  |                       |                   |                   |                    |          |      |                       |                             |
| 100x80                               | 4730-1187             | *                 | *                 |                    |          |      | *                     |                             |
| 150x100                              | 4730-2358             | *                 | *                 |                    |          |      | *                     |                             |
| 200x150                              | 4730-2255             | *                 | *                 |                    |          |      | *                     |                             |
| 250x200                              | 4730-2256             | *                 | *                 |                    |          |      | *                     |                             |
| 300x250                              | 4730-2343             | *                 | *                 |                    |          |      | *                     |                             |

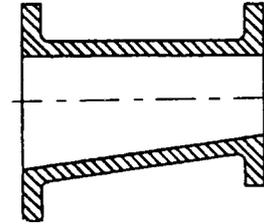
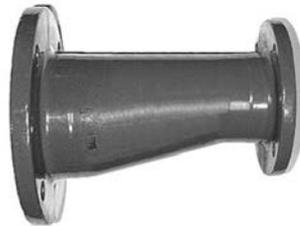
Highlighted items are included in SA Water's Fittings Contract PC1112

\* 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<br>DN x dn | SA Water<br>Stock No. | NIBF<br>(Iplex) # | Pentair<br>Water # | Mallet<br>Foundry # | Vinindex*<br>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

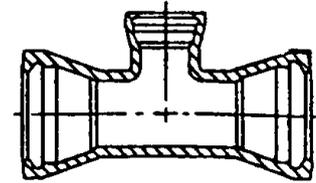
\* Vinindex have two fittings ranges - SL is rated PN35

**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<br>DN<br>xDN(Br) | SA Water<br>Stock No. | NIBF (Iplex)Φ |              | Pentair<br>Water # |         | Dobbie<br>Dico | Mallet<br>Foundry | Vinidex* |      | Derwent<br>Industries | Gillies<br>Metaltech<br>Ltd |
|----------------------------|-----------------------|---------------|--------------|--------------------|---------|----------------|-------------------|----------|------|-----------------------|-----------------------------|
|                            |                       | Std.          | Crevet<br>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<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

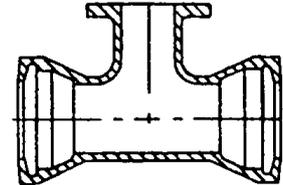
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

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

Alternative Description

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



| Nom. Size<br>DN<br>xDN(Br) | SA Water<br>Stock No. | NIBF (Iplex)Φ |              | Pentair<br>Water # |         | Dobbie<br>Dico | Mallet<br>Foundry | Vinidex |      | Derwent<br>Industries | Gillies<br>Metaltech<br>Ltd |
|----------------------------|-----------------------|---------------|--------------|--------------------|---------|----------------|-------------------|---------|------|-----------------------|-----------------------------|
|                            |                       | Std.          | Crevet<br>SL | Std.               | Auslite |                |                   | SL      | SLII |                       |                             |
| 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

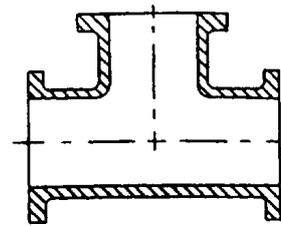
\* Vinidex have two fittings ranges - SL is rated PN35 and SLII is a lightweight product rated PN16

**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<br>DN x dn (Br) | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>Dico | Mallet<br>Foundry | Vinidex*<br>SL | Derwent<br>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

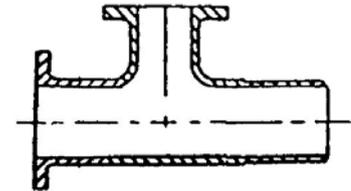
\* Vinidex have two fittings ranges - SL is rated PN35

\* \*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<br>DN x dn (Br) | SA Water<br>Stock No. | NIBF<br>(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***

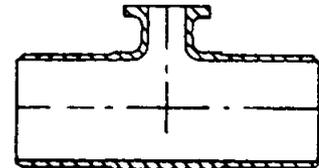
| Nom. Size<br>DN x dn (Br) | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water |
|---------------------------|-----------------------|-----------------|------------------|
| 100 x 100                 | 4730-6069             | *               | *                |
| 150 x 150                 | 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<br>DN x dn (Br) | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>Water | Mallet<br>Foundry | Vinidex*<br>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**

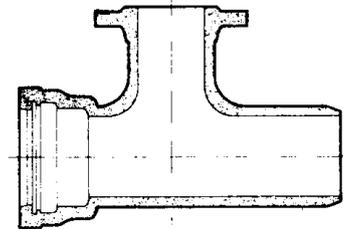
SA Water Product Description

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

Alternative Description

# *Hydrant Tee*

† *Air Valve & Hydrant Tee*



| Nom. Size<br>DN x dn (Br) | SA Water<br>Stock No. | NIBF<br>(Iplex) # | Pentair<br>Water † | Mallet<br>Foundry † | Vinidex*<br>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<br>DN x dn (Br)           | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>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

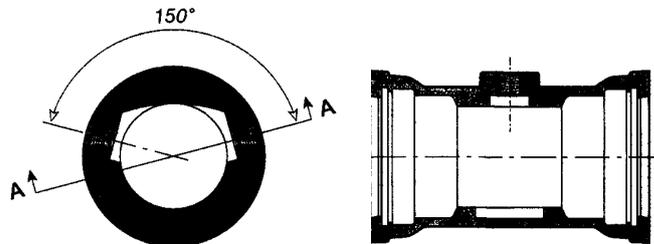
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

**Pre-Tapped Connectors**  
 ( FBE Coated)

Alternative Description (Product Marking)

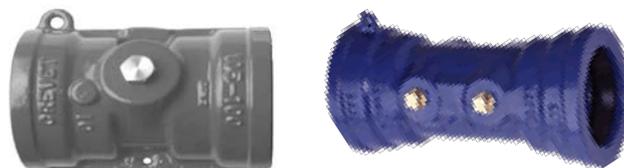
**Pre-Tapped Connector**  
**Readytap Connector Ψ**  
**Supertap φ**



Soc/Soc and Soc/Spig

**Note : Soc/Spig only authorised for  
 DICL pipes only**

**For DICL and PVC Pipes**



| Size<br>DN Pipe x BSP<br>Tapped Boss | Material | NIBF<br>(Iplex) | Pentair<br>Water | Dobbie<br>Dico | Stockbrands<br>φ | Vinidex*<br>SL SLII | Derwent<br>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 |   |   |   | * |   |

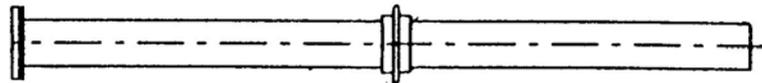
Highlighted items are included in SA Water's Fittings Contract PC1112

\* 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***



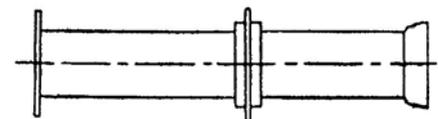
Note : Pipework is Ductile Iron.

| Nom. Size<br>DN x Length | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>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.

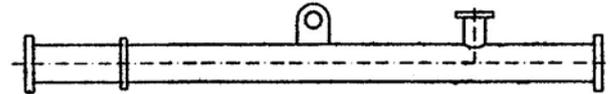
Standard Product is cast DI and FBE coated, alternatively they can be manufactured from DICL pipe where  
 L = Length to suit application - Minimum length shall be 450 mm

| Nom. Size<br>DN x Length | SA Water<br>Stock No. | NIBF<br>(Iplex) | Pentair<br>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<br>DN | SA Water<br>Stock No. | Ottoway<br>Engineering | Fusion Plas | Civil<br>Pipelines<br>Australia | Statewide<br>Poly |
|-----------------|-----------------------|------------------------|-------------|---------------------------------|-------------------|
| 100             | 4730-4976             | *                      | *           | *                               | *                 |
| 150             | 4730-4977             | *                      | *           | *                               | *                 |
| 200             | 4730-5099             | *                      |             | *                               | *                 |
| 250             | -----                 | *                      |             | *                               | *                 |
| 300             | -----                 | *                      |             | *                               | *                 |
| 375             | -----                 | *                      |             | *                               | *                 |

Can also be assembled using flanged DICL fittings

be

SA Water Product Description

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

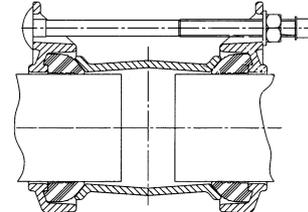
Alternative Description

| Nom. Size<br>DN | SA Water<br>Stock No. | Ottoway<br>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<br>DN | Stock<br>Number | AVK<br>Model 601<br>Trim 4312 Ψ<br>(Iplex) | Pentair Water<br># & §<br>Incl (Wang) † | Viking<br>Johnson<br>Maxifit ΔΔ<br>(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)                                   | † #                                     |  |
| 400 ^           | -----           | * (long)                                   |   |  |

**Additional Contract Items**

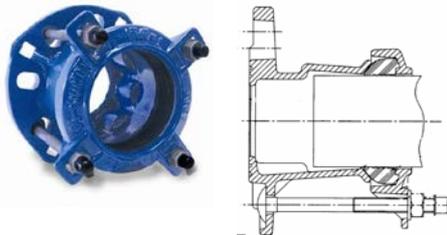
|       |           |  |   |  |
|-------|-----------|--|---|--|
| 100 ^ | 4730-6141 |  | † |  |
| 150 ^ | 4730-6142 |  | † |  |
| 200 ^ | 4730-6143 |  | † |  |

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

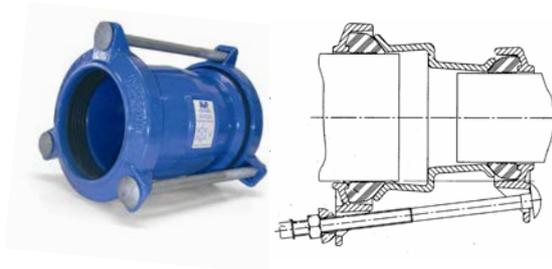
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

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<br>DN | AVK Model 602<br>Trim 4312 β<br>(Iplex) | Pentair Water #<br>(Wang) † |
|-----------------|---|-----------------------------|
| 50 ^            | *                                       | *                           |
| 80 ^            | *                                       | *                           |
| 100 ^           | *                                       | *                           |
| 150 ^           | Full range of                           | *                           |
| 200 ^           | size                                    | *                           |
| 250 ^           | combinations                            | *                           |
| 300 ^           | *                                       | *                           |
| 375 ^           | *                                       | *                           |
| 400 ^           | *                                       | *                           |
| 100 x 80        | *                                       | †                           |
| 100 x 125       | *                                       |                             |
| 125 x 150       | *                                       |                             |

**Adaptor Flange Couplings**

| Nom. Size<br>DN | AVK Model 603<br>Trim 4312 φ<br>(Iplex) |
|-----------------|---|
| 50 ^            | *                                       |
| 80 ^            | *                                       |
| 100 ^           | Full range of                           |
| 150 ^           | size                                    |
| 200 ^           | combinations                            |
| 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<br>DN | DEKS<br>(Flex-Gib) |
|-----------------|--------------------|
| 100             | *                  |
| 150             | *                  |
| 200             | *                  |
| 250             | *                  |
| 300             | *                  |
| 350             | *                  |
| 375             | *                  |
| 400             | *                  |
| 450             | *                  |

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

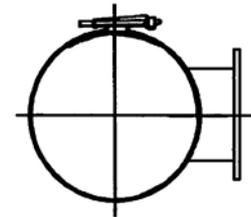
SA Water Product Description

*Flanged Offtakes*

Alternative Description

# *Watgas Flanged Collar*

\**Flanged Offtakes 316 Stainless Steel*



**Note:**

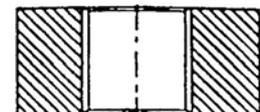
- **Size on Size drilling not permitted**
- **Only authorised Under Pressure Tapping Service Companies are to install these fittings**

| Size<br>DN x dn (Br) | SA Water<br>Stock No. | R.M.C.<br>#                                  | Pentair<br>Water<br>(Wang) | Crevet<br>(Iplex) |
|----------------------|-----------------------|--|----------------------------|-------------------|
| 100 x 100            | 4730-4829             | 100 x 80 plus<br>80 - 100 Fl.-<br>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<br>Stock No. | Ottoway<br>Engineering |
|----------|-----------------------|------------------------|
| 15       | 4730-1294             | *                      |
| 20       | 4730-1295             | *                      |
| 25       | 4730-1532             | *                      |
| 32       | 4730-1296             | *                      |
| 40       | On Request            | *                      |

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

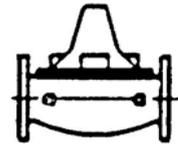
SA Water Product Description

***Valve - Pressure Reducing***

Alternative Description

**PRV**

**Pressure Reducing Valve**



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

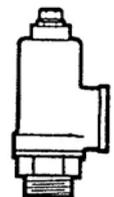
| Nom. Size<br>DN mm | SA Water<br>Stock No. | M E Mack<br>(Model 13312A2) | Singer | Bermad |
|--------------------|-----------------------|-----------------------------|--------|--------|
| 40                 | -----                 | *                           | *      |        |
| 50                 | -----                 | *                           | *      | *      |
| 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<br>DN mm | SA Water<br>Stock No. | M E Mack<br>(Model 7248) |
|--------------------|-----------------------|--------------------------|
| 15                 | -----                 | *                        |
| 20                 | -----                 | *                        |
| 25                 | -----                 | *                        |
| 50                 | -----                 | *                        |

SA Water Product Description

***Valve - Globe Needle***

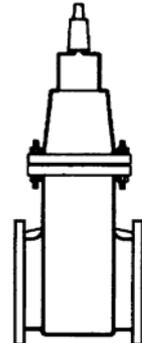
Alternative Description

| Nom. Size<br>DN mm | SA Water<br>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<br>DN (Pressure)         | SA Water<br>Stock No.<br>(1.6 MPa) | AVK<br>(Iplex)<br>Series 57/40<br>(1.6 MPa) | Pentair<br>(1.6 MPa) | Karon<br>(Challenger)<br>(1.6MPa) | AVK (Iplex)<br>PN25<br>(2.5 MPa)<br>Series 57/80<br>Table "F"<br>Flanges | AAP Industries<br>Pty Ltd<br>(Maxiflo) |
|------------------------------------|------------------------------------|---|----------------------|-----------------------------------|--|--|
|                                    |                                    |   |                      |                                   | Interim<br>Authorisation   | Interim<br>Authorisation               |
| 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

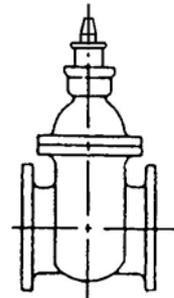
# Also available with inbuilt bypass configuration in sizes DN450 – DN600 (Series 55/30)

**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<br>DN (Pressure)  | SA Water<br>Stock No. | AVK<br>(Iplex) | Pentair<br>Water |
|---|-----------------------|----------------|------------------|
| <b>Note These valves are for higher pressure applications up 3.5 MPa (350 m head)</b> |                       |                |                  |
| 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**

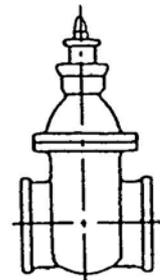
SA Water Product Description

***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<br>DN Pipe | SA Water<br>Stock No. | AVK<br>(Iplex) # | Pentair<br>Water | AAP Industries Pty Ltd<br>(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.

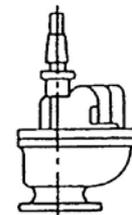
SA Water Product Description

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

Alternative Description

***Fireplug (flanged)***

***Fireplug – Air valve***



| Nom. Size<br>DN | SA Water<br>Stock No. | AVK<br>(Iplex) | Pentair<br>Water | Civil<br>Pipelines<br>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***

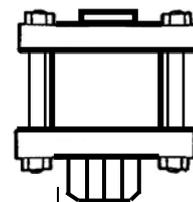


| Nom. Size<br>DN (Pressure) | Stock<br>Number | Crane<br>(Iplex) | Keystone<br>Pentair<br>(Keystone 86) |
|----------------------------|-----------------|------------------|--------------------------------------|
| 80                         | 4820-2015       | *                | *                                    |
| 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<br>DN (Pressure) | Stock<br>Number | AVK (Iplex)<br>(Series 851) |           | AVK (Iplex)<br>Double Orifice |    | Ventomat<br><br>RBX Series | Amiad   |         | Bermad  |         |
|----------------------------|-----------------|-----------------------------|-----------|-------------------------------|----|----------------------------|---------|---------|---------|---------|
|                            |                 | 1.6 MPa #                   | 2.5 MPa # | Glass-<br>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).*

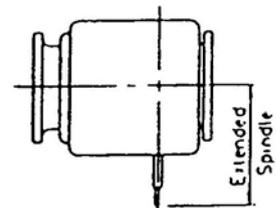
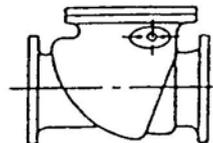


**Nom. Size**                      **Bermad**  
**(Model C30)**  
**Material - GRP**

|       |   |
|-------|---|
| 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<br>DN Pipe         | SA Water<br>Stock No. | AVK<br>(Iplex) # | Pentair<br>Water |
|-------------------------|-----------------------|------------------|------------------|
| <b>Resilient Seated</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**

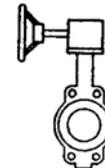
| Size<br>DN Pipe | Without<br>Gearbox<br>SA Water<br>Stock No. | With<br>Gearbox<br>SA Water<br>Stock No. | AVK<br>(Iplex) | Keystone<br>Pentair | Ebro | Turnflo | Wouter<br>Witzel<br>EVS<br>(AVK) |
|-----------------|---|--|----------------|---------------------|------|---------|----------------------------------|
| 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<br>DN Pipe | Without<br>Gearbox<br>SA Water<br>Stock No. | With<br>Gearbox<br>SA Water<br>Stock No. | AVK<br>(Iplex) | Keystone<br>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<br>DN Pipe | Without<br>Gearbox<br>SA Water<br>Stock No. | With<br>Gearbox<br>SA Water<br>Stock No. | AVK<br>(Iplex)<br>Series<br>813/82 | Keysto<br>ne<br>Pentair | Ebro | Wouter #<br>Witzel<br>EVS<br>(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<br>(Equivalent Valve size) | SA Water<br>Stock No. | AVK<br>(Iplex) |
|--|-----------------------|----------------|
|--|-----------------------|----------------|

**SERIES 36/80 (Fusion or Butt welded applications)**

|                   |  |   |
|-------------------|--|---|
| 75                |  | * |
| 90                |  | * |
| 110               |  | * |
| 125 (DN100 equiv) |  | * |
| 180 (DN150 equiv) |  | * |
| 250 (DN200 equiv) |  | * |
| 315 (DN250 equiv) |  | * |

**SERIES 01/70 (Tensile Resistant PE ends – Restrained Joint)**

|                   |  |   |
|-------------------|--|---|
| 90                |  | * |
| 110               |  | * |
| 125 (DN100 equiv) |  | * |
| 180 (DN150 equiv) |  | * |
| 250 (DN200 equiv) |  | * |
| 315 (DN250 equiv) |  | * |

**SERIES 16/50 (POM With Tensile Resistant Socket Joints for PE-pipes)**

|    |  |   |
|----|--|---|
| 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<br>DN<br>Pipe | 316 Stainless         | Galvanised            | High Tensile         | Iplex | Keystone<br>Pentair | Civil<br>Pipelines<br>Australia |
|--------------------|-----------------------|-----------------------|----------------------|-------|---------------------|---------------------------------|
|                    | Steel Bolts           | Bolts                 | Bolts                |       |                     |                                 |
|                    | SA Water<br>Stock No. | SA Water<br>Stock No. | SA Water<br>Stock No |       |                     |                                 |

***To suit PN16 (1.6MPa) Flanges***

|      |           |           |  |   |   |   |
|------|-----------|-----------|--|---|---|---|
| 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 | 5330-253  | 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  |       |                  |                           |
| <i>To suit PN35 (3.5MPa) Flanges (Continued)</i> |                           |                    |                    |       |                  |                           |
| 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  | 5530-2085 |  | * | * | * |
| 65   | 5330-210  | 5530-2086 |  | * | * | * |
| 80   | 5330-2109 | 5530-2087 |  | * | * | * |
| 100  | 5330-2110 | 5530-2088 |  | * | * | * |
| 125  | 5330-2111 | 5530-2089 |  |   | * |   |
| 150  | 5330-2112 | 5530-2090 |  | * | * | * |
| 200  | 5330-2113 | 5530-2091 |  | * | * | * |
| 250  | 5330-2114 | 5530-2092 |  | * | * | * |
| 300  | 5330-2115 | 5530-2093 |  | * | * | * |
| 350  | 5330-2116 | 5530-2094 |  |   | * |   |
| 375  | 5330-2117 | 5530-2095 |  | * |   | * |
| 400  | 5330-2118 | 5530-2096 |  | * | * | * |
| 450  | 5330-2119 | 5530-2097 |  | * | * | * |
| 500  | 5330-2120 | 5530-2098 |  |   | * |   |
| 525  | 5330-2121 | 5530-2099 |  | * |   | * |
| 600  | 5330-2122 | 5530-2100 |  | * | * | * |
| 700  | 5330-2123 | 5530-2101 |  |   |   |   |
| 750  | 5330-2124 | 5530-2102 |  |   |   |   |
| 800  | 5330-2125 | 5530-2103 |  |   |   |   |
| 900  | 5330-2126 | 5530-2104 |  |   |   |   |
| 1000 | 5330-2127 | 5530-2105 |  |   |   |   |
| 1200 | 5330-2128 | 5530-2106 |  |   |   |   |

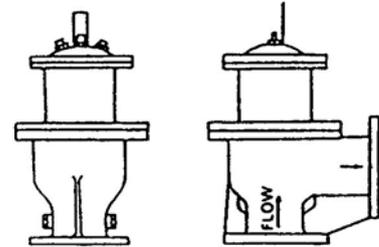
*Lugged Butterfly Valves*

|     |           |           |  |   |  |   |
|-----|-----------|-----------|--|---|--|---|
| 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**

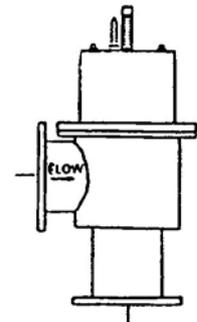
SA Water Product Description ***Valve - Hydraulic Operated Control  
 (Double Flanged - Stainless Steel)***



Alternative Description  
***HOCV***

| Size<br>DN Pipe | SA Water<br>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<br>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                          | -----              | *     | *       | *       | *                         |

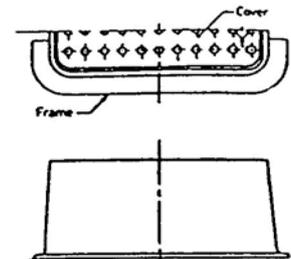
SA Water Product Description

*Cable Access Cover and Frame*

Alternative Description

*Electrical cable access cover and frame*

*Cathodic Protection access cover and frame*

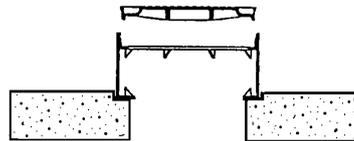


| Item                        | SA Water Stock No. | Bianco (PCP) |
|-----------------------------|--------------------|--------------|
| Frame                       | 5680-0125          | *            |
| Cover - Earth Stake         | 5680-0247          | *            |
| Cover - Cathodic Protection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

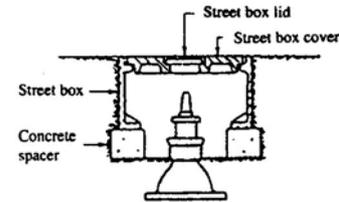
**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

SA Water Product Description

***Street Box Assembly - Heavy Duty***



*Type 1 - Slab type (Preferred)*



*Type 2 - Circular support*

Alternative Description

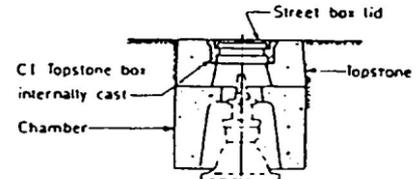
***Two Piece Lid Street Box***

| 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><i>Type 1 Support - Slab Type ( Preferred Option)</i></b> |                    |              |               |                       |          |                           |
| Concrete slab 1200 x 800 x 125 thick                         | 5680-0050          | *            |               | *                     |          |                           |
| <b><i>Type 2 Support - Circular Ring</i></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

| <b>Item</b>                               | <b>SA Water Stock No.</b> | <b>AVK (IPLEX)</b> | <b>Bianco (PCP)</b> | <b>WASA (Cooke Pre Cast)</b> | <b>Civil Pipelines Australia</b> |
|---|---------------------------|--------------------|---------------------|------------------------------|----------------------------------|
| DI 100mm Valve Chamber                    | 5680-0067                 | *                  | *                   | *                            | *                                |
| Lid                                       | 5680-0066                 | *                  | *                   | *                            | *                                |
| Concrete slab<br>500 x 500 x 125<br>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**

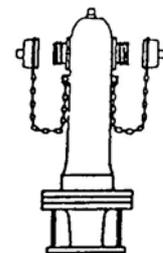
SA Water Product Description ***Fire Hydrant - Pillar Type Lightweight***  
*(Fabricated Stainless Steel, Key Operated, Firehose Thread Outlet)*



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***

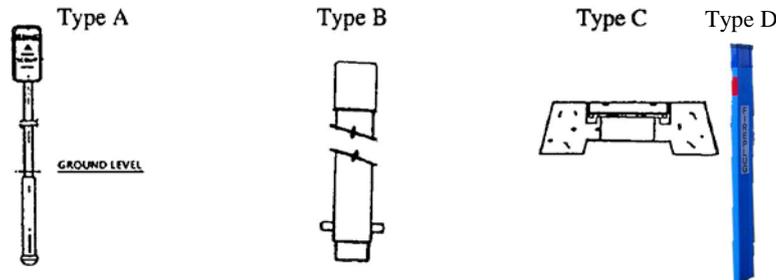
| DN Pipe | SA Water Stock No. | Pentair Water |
|---------|--------------------|---------------|
| 63      | 4210-0025          | ★             |

**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**

**INDEX**

**Access Cover**  
 Cathodic Protection..... 49  
 Earth Stake ..... 49

**Bend**  
 90 degree Flange Duckfoot ..... 12  
 90 degree with Heel Flange/Flange ..... 11  
 90 degree with Heel Socket/Flange ..... 11  
 Flange/Flange ..... 7  
 Flange/Spigot ..... 10  
 Flanged/Flared ..... 12  
 Socket/Flange ..... 8  
 Socket/Socket ..... 9

**Boss - Tapped, Weld On** ..... 35

**Caps** ..... 13

**Collar** ..... 13

**Corrosion Protection System** ..... 56

**Cross Joint**  
 Flange/Flange ..... 14  
 Socket/Flange ..... 14  
 Socket/Socket ..... 14

**Extension Pipe**  
 Flange/Flange ..... 15  
 Flange/Flange with 50mm BSP tapped boss ..... 15  
 Flange/Flange with Thrust Ring & 80mm Flanged Fire Plug Offtake - MSCL ..... 32  
 Flange/Flared ..... 17  
 Flange/Socket with Puddle Flange - Ductile Iron ..... 31  
 Flange/Spigot ..... 18  
 Flange/Spigot with Puddle Flange - Ductile Iron ..... 31  
 Socket/Flange ..... 17

**Fire Hydrant**  
 Fireplug / Below Ground ..... 39  
 Pillar Type Double Outlet ..... 54  
 Pillar Type Lightweight ..... 54

**Flanged Offtakes** ..... 35

**Flanges**  
 Blind ..... 19  
 Screwed BSP ..... 19  
 Screwed BSP with location Lugs ..... 19  
 Stainless steel shut off with lifting handle ..... 32

**Jointing Kit** ..... 46

**Multi Fit Mechanical Couplings**  
 Multi Fit Special Coupling ..... 34  
 Multi Fit Straight Coupling ..... 33

**Pipe**  
 Ductile Iron Cement Lined Pipe (DICL) ..... 2  
 Polyethylene Pipe and Fittings ..... 4  
 PVC Pressure Pipe ..... 1  
 Steel Cement Lined Pipes (SCL) ..... 3

**Pre-Tapped Connectors** ..... 30

**AUTHORISED ITEMS for WATER RETICULATION SYSTEMS**

**Reducer**

Flange/Flange ..... 20  
 Flat top - Flange/Flange ..... 22  
 Socket/Socket ..... 21

**Signs and Markers** ..... 55

**Street Box Assembly**

Heavy Duty ..... 50  
 Isolating Valve Chamber Heavy Duty ..... 52  
 Isolating Valve Chamber Light Duty ..... 53

**Tape - Underground Warning** ..... 56

**Tee**

Flange/Flange/Branch Flange ..... 25  
 Flange/Spigot/Branch Flange ..... 26  
 Socket/Socket/Branch Flange ..... 24  
 Socket/Socket/Branch Socket ..... 23  
 Socket/Spigot/Branch Flange ..... 28  
 Spigot/Spigot/Branch Flange ..... 26, 27

**Tee - 45° Branch -Flange/Flange with Flanged Branch** ..... 19

**Tee - Scour**

Socket/Socket/Flange ..... 29  
 Spigot/Spigot/Flange ..... 29

**Topstone & Chamber Assembly** ..... 51

**Under Pressure Tapping Service** ..... 6

**Valve**

Air Release ..... 40  
 Butterfly – Double Flanged Type ..... 44  
 Butterfly – Lugged Type ..... 43  
 Butterfly – Wafer Type ..... 42  
 Hydraulic Operated Control ..... 48  
 Hydraulic Operated Sleeve ..... 48  
 Metal Seat Gate - Double Flanged - Manually Operated ..... 38  
 Needle ..... 36  
 Non Return (Wafer Type) ..... 40  
 Pressure Reducing ..... 36  
 Pressure Relief ..... 36  
 Resilient Seat Gate - Double Flanged ..... 37  
 Resilient Seat Gate - Double Socket - Manually Operated ..... 39  
 Resilient Seat Gate – with PE Pipe Connection Ends ..... 45  
 Spindle Extension ..... 49  
 Swing Check with extended spindle ..... 41