



Assets Planning and Delivery Group
Engineering

STRATEGIC PRODUCTS REGISTER

Conveyance, Mechanical and Process Systems

VERSION 3
REVISION 23

NOVEMBER 2025

FOREWORD

The Strategic Products Register (also known as the Products and Equipment Register) is intended to enable Corporation staff, designers, constructors and land developers to identify proprietary infrastructure components and equipment that have been authorised for use in new water infrastructure assets to be acquired by (or transferred to) and operated by the Water Corporation.

The Register is not intended to address authorisation of products and materials on a project by project basis, where no performance evaluation, testing, field trialling nor business appraisal of substance has previously been undertaken. The absence of a product listing in the Register is not intended to be an absolute bar on its use in a particular project, provided that its compatibility with the project application, operational service risk profile and the terms of liability protection offered are acceptable to the project owner.

The issue of a formal product authorisation letter to a supplier and its listing in the Strategic Products Register, subject to Register review and publication schedules, signifies subjective compliance with Corporation product performance and supplier commercial requirements. A product brand listing in the Register does not diminish or waive the absolute responsibility of infrastructure project designers for applying the necessary skills, knowledge and experience to ensure that the product characteristics meet the performance requirements of each project.

Where appropriate, the Register includes references/links to product appraisal job records and Product Agreements that are associated with particular product listings.

Any interpretation of anything including conflict in project documents should be resolved by reference to the engineering and operational performance requirements specified for particular projects.

Head of Engineering

This document is prepared without the assumption of a duty of care by the Water Corporation. The document is not intended to be nor should it be relied on as a substitute for professional engineering design expertise or any other professional advice.

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REVISION STATUS

The revision status of this document is shown section by section below:

REVISION STATUS						
SECT.	VER./REV.	DATE	PAGES REVISED	REVISION DESCRIPTION (Section, Clause, Sub-Clause)	RVWD	APRV
Table A	3/13	01.09.23	26-61	Smartstream type 1 AC renewed Aymroo MS added Smartstream T40 PS added Smartstream T90 PS added Pipemakers DN100 DWV pipe added	LT	KP
Table A	3/23	11.11.25	13-27, 34, 36-46	All suppliers' status, authorisation letter numbers and expiry dates reviewed and updated. Acu-tech machined PE scour tee added Georg Fischer PE EF fittings removed Vinidex PE EF fittings removed Smartstream PE MS cover removed Vinidex DWV sandwich core pipe and DN225-375 fittings renewed, DN300 sandwich core pipe added, DN225 and DN300 SN16 plain wall pipe added Smartstream Beaufox DWV fittings added Smartstream maintenance shaft renewed, discharge chamber configuration added Rehau maintenance shaft removed SMS maintenance shaft removed Flowtite (Amiblu) GRP renewed and updated Empire Bosspipe GRP jacking pipe renewed and updated Clover Superlit GRP removed AARO PVC Microtunnelling pipe renewed DJ MacCormick PVC Microtunnelling pipe removed Smartstream type 6 access chamber removed Humes type 1 and 6 chambers amended Humes type 10 and 40 PS renewed Georgiou precast chamber and pump station products removed DMCivil type 6 AC removed All suppliers of precast access chambers and wastewater pumping stations - product limitations reviewed with reference to AS4198 exposure classifications David Moss PE scour tees removed David Moss PE sweep bends renewed and range updated	LT	KP

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REVISION STATUS						
SECT.	VER./REV.	DATE	PAGES REVISED	REVISION DESCRIPTION (Section, Clause, Sub-Clause)	RVWD	APRV
Table B	3/18	22.11.24	72 77&78	D25 and DN32 polypropylene compression fittings have been removed Brass Connectors ≤ DN32 for PE Pipes added	JA	AA
Table B		31.03.25	69 - 70	Acceptable sizes of PE pipe updated	RW	AA
Table B	03/22	02/09/20 25	57	David Moss PE pipes added to Table B	AA	AA
Table C	03/19	02/08/20 24	135	Added 100L PN10 pressure tank	BG	SE
Table C	03/19	16/09/20 24	96	Added pressure limitations to Maric flow restrictors	BG	SE
Table C	03/19	16/09/20 24	93, 95, 96	Mack Valves replaced Watercon as the distributor for Mack Valves	BG	SE
Table C	03/19	16/09/20 24	102	Added End of Line Globe Valve from Zetco	BG	SE
Table C	03/19	16/09/20 24	94	Add note to Product Limitations for VRCA pressure relief valve.	BG	SE
Table C	03/19	16/09/20 24	129,130	Chemical Dosing Pumps table clarified. Removed Encore 100.	BG	SE
Table C	03/19	16/09/20 24	92, 95	Replaced BBJ Technologies with KOG Technologies	BG	SE
Table C	03/19	16/09/20 24	106	Updated ranges for lugged valves. Removed limitations note for lugged AVK Series 76. Increased range of wafer AVK Series 76 to DN400.	BG	SE
Table C	03/19	16/09/20 24	111	Updated size range for Dobbie VGM35	BG	SE
Table C	03/19	26/09/20 24	136	Changed contact from Saverio Carbone to Dave Hodson for Steelmain CDJ feedback	BG	SE
Table C	03/19	10/10/20 24	120	Changed isolating butterfly valves from Wafer to Lugged in Valves for Booster Pump Stations section	BG	SE
Table C	03/19	31/10/20 24	109	Added High Performance Butterfly Valves made by DVD model KVN supplied by Ebro.	BG	SE
Table C	03/19	05/11/20 24	111	Added DN300 to DN500 range for John Valves Metal Seated Gate Valves.	BG	SE

REVISION STATUS						
SECT.	VER./REV.	DATE	PAGES REVISED	REVISION DESCRIPTION (Section, Clause, Sub-Clause)	RVWD	APRV
Table C	03/19	08/11/2024	107,108	Removed AFFCO from Butterfly valves – Double Flanged Seal-On-Body section	BG	SE
Table C	03/19	12/11/2024	103	Added Strongcast meter ball valves	BG	SE
Table C	03/19	03/12/2024	110	Added Gearboxes section	BG	SE
Table C	03/19	04/12/2024	87	Removed Dorot DAV-P-A, PN16 Air Valve.	BG	SE
Table C	03/19	04/12/2024	98	Added Note 4 in Valves & Fittings for Chemical Dosing Systems section	BG	SE
Table C	03/19	11/12/2024	90	Added AVK Series 41 and marked as Conditional.	BG	SE
Table C	03/21	04/02/2025	100	Watercon removed from Airvac AV 2000 suppliers list.	BG	SE
Table C	03/21	11/02/2025	116	Added GRV2 from Challenger in Resilient Seated Gate Valves Double Flanged section.	BG	SE
Table C	03/21	18/02/2025	114	Updated Nexus links for John Valves gate valves	BG	SE
Table C	03/21	18/02/2025	93	Added Zetco Series 4055 in Swing Check Valves section	BG	SE
Table C	03/21	06/03/2025	109	Added Ebro Z014A in Butterfly Valves –Wafer & Lugged Type section	BG	SE
Table C	03/21	09/04/2025	126	Changed supplier for Pleuger pump from Pump Power to Pump Supplies in Pumps - Submersible Borehole section	BG	SE
Table C	03/21	09/04/2025	108	Changed Stafsjo XVE to WB14-E for fully bonneted Corrosive Service in Knife Gat Valves section	BG	SE
Table C	03/21	14/04/2025	129	Removed Wilo-EMU model FA pump from SPS503 Centrifugal Sewage Pumps section	BG	SE
Table C	03/21	06/05/2025	128	Added Super Titan from Flowserve in Axial Split Casing Pump SPS515	BG	SE
Table C	03/21	06/05/2025	101	Added Asahi Series 19 actuators in Valves & Fittings for Chemical Dosing Systems section	BG	SE
Table C	03/21	23/05/2025	113	Added AG-W Series gearboxes from Acrodyne in Gearboxes section.	BG	SE
Table C	03/21	23/05/2025	139	Added DIMAX dismantling joints from Reece.	BG	SE
Table C	03/21	29/05/2025	103, 104, 106, 107,	Removed Stockbrands Co. Pty Ltd, Ipleax Pipelines Aus Pty Ltd and Viadrux Pty Ltd as a suppliers for Zetco valves.	BG	SE
Table C	03/21	30/05/2025	103, 106	Added Zetco Series 3096 and Zetco Series 3406 in SPS251 Ball Valves – Mains Tapping section and Zetco Series 3248 in SPS254 Meter Ball	BG	SE

REVISION STATUS						
SECT.	VER./REV.	DATE	PAGES REVISED	REVISION DESCRIPTION (Section, Clause, Sub-Clause)	RVWD	APRV
				Valves. Added LF transformation note.		
Table C	03/21	30/05/2025	104, 105, 107	Added LF transition note in sections SPS252 Ball Valves – General Purpose, End of Line Flushing Valves and Copper Alloy Gate Valves.	BG	SE
Table C	03/21	03/06/2025	109	Increased size range for Value Valves wafer valves and added Value Valves to SPS260 lugged butterfly valves	BG	SE
Table C	03/21	05/06/2025	90	ARI air valves D-50 and D-52 marked in red and “on hold” note added in section Air Valves for Water	BG	SE
Table C	03/21	10/06/2025	129	In section Centrifugal Sewage Pumps removed ABS AFP Series/XFP Series and KSB Ajax Amarex KRT pumps. Updated product limitations note.	BG	SE
Table C	03/21	10/06/2025	121	All size range of DeZurik PEC plug valves become Category 1. Updated product limitations notes.	BG	SE
Table C	03/22	23/06/2025	135	Removed limitations for Steelmains Compact Dismantling Joints.	BG	SE
Table C	03/22	16/07/2025	105	Corrected model name of lugged Value Valves to VF-733	BG	SE
Table C	03/22	31/07/2025	75	Removed red marking for ARI Air Valves D-050 and D-052 changed to NS version. Added product limitations note.	BG	SE
Table C	03/22	31/07/2025	75	Added product limitations note to Ventomat Air Valves.	BG	SE
Table C	03/22	31/07/2025	100,102, 10	In resilient Seated Gate Valves table changed Sureflow model Auslite III to Series 2570/90 and Figure 500 to 2570/92, 2570/50, 2570/60 and 2570/70.	BG	SE
Table C	03/22	11/08/2025	83, 97	Changed supplier for all Erhard products to Derwent Industries International Pty Ltd*	BG	SE
Table C	03/23	11.11.25		Added note 4 in section Chemical Dosing (Diaphragm Type) Pumps	BG	SE
Table C	03/23	11.11.25		Added Screw Down Hydrant from Betta	BG	SE
Table D	3/4	16.07.20	123 & 124	Table D added	NH	KP
Table D	3/8	20.01.22	131 onwards	Chlorination – (Rows 1-3)Supplier updated from Hydramet to Evoqua Chemical – 50% Sodium Hydroxide Valves new section added Chemical – 98% Sulphuric Acid Valves new section added Chemical – Plastic Lined Metallic Piping Systems new section added	NH	NH
Table D	3/18	22.11.24	126	Enware model updated for Safety Shower with combination eyewash	NH	NH

STRATEGIC PRODUCTS REGISTER

Water, Wastewater and Drainage Systems

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1 Scope

The Strategic Product Register - also known as the Products and Equipment Register - lists proprietary infrastructure components (products and equipment) that have been appraised and authorised for use in new Corporation water supply, wastewater and drainage infrastructure.

Product appraisal for authorisation purposes requires technical and commercial appraisal of product compliance with an acceptable performance specification and its whole of life business value in common infrastructure applications.

The appraisal process involves a risk assessment of the circumstances and logistics of the product supply chain and product supplier capacity to provide technical, spares and stock support in WA and of the product and public liability insurance coverage provided by the supplier to mitigate consequential Corporation business liability. Product authorisation is, typically, subject to defined usage constraints in relation to particular infrastructure applications, locations, environmental conditions, usage volumes and the availability/quality of product service performance information.

Products are authorised and listed for specific usage categories, including “**General Authorisation**”, “**Conditional Authorisation**”, “**Restricted Trial Authorisation**” and “**Authorisation Expiry Imminent**” as defined herein. Guidance on product registration submission and supporting information requirements is available in the “**Supplier Submission Guidelines**” (Corporation document reference #9818098) and may be forwarded to product suppliers on request.

Where available, the Register contains references to trial custodians, product/equipment field trial performance specifications and trial performance review dates. Definitive product field performance feedback is required for the purposes of trial performance records, as a prerequisite to authorisation.

The Register also lists a limited number of fit for purpose infrastructure components that are deemed strategic from an operational safety and risk perspective. Many infrastructure products available in the marketplace are not registered because of their non-strategic (low contribution to asset failure risk) nature, low volume usage or dependency on project specific performance requirements.

As Register review/update schedule is typically at publication intervals of two years, there can be a significant time lag between product authorisation and its publication in the Register. Users and suppliers should accordingly note that the formal authorisation letter issued to a particular supplier may be presented to product purchasers as the definitive evidence of authorisation, pending publication of a scheduled Register update.

Where an, as yet, unauthorised unevaluated product may be considered a good business value fit for a particular project, its design and longevity characteristics should be assessed and validated for compliance with a product performance standard/specification that is acceptable to the Corporation, as a precondition to its acceptance on that project.

Authorised strategic product and equipment items are listed in this Register as follows:

- (a) Wastewater Conveyance Products – Table A
- (b) Water Conveyance Products – Table B;
- (c) Mechanical Products – Table C.
- (d) Process Products – Table D

NOTE: Only the principal Supplier – the Supplier who submitted the product for authorisation - will be listed in the Register. This does not preclude the use of a listed (authorised) product by another supplier, provided that the terms of supply have been agreed by the Corporation e.g. in a Product Agreement or other acceptable form of agreement document or by means of an alternative documented commercial arrangement agreed between the Corporation and the Supplier.

2 Purpose

The purpose of the Strategic Products Register is to:

- (a) List proprietary infrastructure product and equipment items of a strategic nature that have been appropriately evaluated and authorised prior to their selection for use in new water infrastructure; and
- (b) Assure selection of products and equipment for Corporation infrastructure on the basis of best lifecycle value, sustainability and service safety for the intended applications.

3 Product Appraisal Process

Minimum Corporation performance requirements for many strategic infrastructure components (i.e. products and equipment) have been documented in Strategic Product Specifications (SPS). In some cases, (e.g. mechanical products), specific performance requirements and operational parameters are referenced in the Project Specific Requirements Appendix of a relevant SPS.

Performance and compliance requirements for a product or equipment item, for which a specific Corporation specification has not been published, should be documented by agreement between the supplier and the Corporation.

Listing of Products and equipment in the Register requires product fitness for purpose, product supplier and supply chain to be evaluated in terms of:

- Overall contribution to Corporation business need and lifecycle value;
- Compatibility with existing infrastructure configuration, spares inventory and operational and maintenance equipment configuration and processes;
- Product design and installation performance characteristics, business and environmental sustainability, safety and life expectancy in service;
- Supplier and supply chain risk and liability potential, technical capability and spares support (in WA);
- Insurance coverage of Corporation liability for the consequences of product failure;

The process requires participation in the WSAA national product appraisal scheme and provides for due recognition of product performance credentials established by WSAA appraisal reports.

Asset designers and constructors shall respectively be responsible for selecting and installing products and materials that comply with product performance and longevity requirements for particular infrastructure project applications and environments.

NOTE: A suitably qualified professional design engineer should select, design and specify products and materials for Corporation infrastructure applications by applying appropriate engineering and risk assessment skills, knowledge and experience.

3.1 Product and Equipment Trials

Products and equipment may be subject to monitored field trialling to evaluate:

- Adequacy of the modelled/calculated design and installation characteristics intended to demonstrate acceptable field performance outcomes on selected infrastructure projects;
- Product compatibility with operational and maintenance equipment and practices under live service conditions (in consultation with Corporation operations managers);
- Ease/economy of product transport, storage, handling, assembly and installation on a representative number of infrastructure projects, ,

Where monitored field trialling is undertaken, a suitably qualified engineering officer should be engaged to monitor, record and report product functional, service and safety performance outcomes and the adequacy of installation services and installer training provided by the supplier.

Subject to the availability of an experienced trial supervision officer and field trial funding resources, the Corporation will endeavour to support live service or trials to evaluate product field performance. A Corporation commitment to resource and manage a field trial operation will require prior (timely) negotiation and agreement between the supplier and the Corporation.

3.2 Categories of Authorised Products

The authorisation status categories, in which appraised products and equipment are listed, in accordance with usage limitations and constraints, are as described below.

General Authorisation

A product is registered in this category on the basis of acceptable performance in service during the authorisation period, subject to provision, at the outset, of:

- Independent validation and assurance of product engineering and certification;
- Indemnity of the Corporation from claims that may arise due to poor product performance during the authorisation period by means of an appropriate level of public and product liability insurance cover;

The authorisation validity period will typically, not exceed five (5) years. Authorisation renewal by the Corporation will be subject to re-confirmation of product scope and continuity of product engineering/certification assurance and liability insurance cover by the product supplier.

Conditional Authorisation

A product, with little or no supplier or service performance history or for which appropriate performance compliance documentation has not been submitted, is registered in this category, subject to:

- Provision of independent validation and assurance of product engineering and certification and any other performance compliance credentials that may be identified, within an interim period of conditional authorisation (typically < 3 years) agreed by the Corporation;
- Indemnity of the Corporation from claims that may arise due to poor product performance during the authorisation period by means of an appropriate level of public and product liability insurance cover;

Conversion of a conditional to general authorisation status and validity period (typically \leq five years) will require full compliance with the interim authorisation conditions and satisfactory product service performance during the entire authorisation period.

Restricted Trial Authorisation

A product may, in the absence of any documented appraisal or Corporation service performance history, be registered in this category for restricted infrastructure project use, subject to:

- Provision of independent validation and assurance of (product) system concept, design and installation engineering including performance modelling, of an acceptable technical quality;
- Provision of documented field proof/demonstration of system concept, design and installation engineering within a defined interim trial period (typically < 3 years) by means of supervised trial installation on an agreed number of suitable Corporation infrastructure projects;
- Indemnity of the Corporation from claims that may arise due to poor product performance during the authorisation period by means of an appropriate level of public and product liability insurance cover.

Conversion of a restricted trial to general authorisation status and validity period (typically < five years) will require full compliance with the restricted trial authorisation requirements including acceptable system service performance reporting by the supplier during the entire authorisation period.

Authorisation Expiry Imminent

A number of registered authorisations have been highlighted in blue where expiry is imminent. Blue highlighted product authorisations are at imminent risk of withdrawal in the absence of urgent action by the supplier to submit the newly nominated product range for re-authorisation

together with evidence of continued market usage and product quality feedback to support the submission.

NOTES

1. Products and equipment should be evaluated, risk assessed, selected, designed and specified for particular infrastructure applications on a project by project basis by a suitably qualified project design engineer. The Register may then be perused for proprietary product listings that match the designer's selection.
2. Infrastructure project designers and users should consider - in the case of "Conditional" and "Restricted Trial" authorisation categories - the lack of in-service performance history and - in the case of a "Restricted Trial" authorisation - the absence of a documented engineering appraisal. Accordingly, a project level risk assessment should be undertaken, prior to selecting or specifying anything in the Register for application to a particular project.

4 Submissions for Product Authorisation

The "SUBMISSION REQUIREMENTS" document for strategic conveyance components provides guidance on the required content of submissions for product authorisation. This guidance is intended for prospective suppliers who propose to offer infrastructure asset components intended for take-over by the Corporation. The document may be accessed via the link in 1 (a) below by selecting "Product Registers" and then downloading the "Strategic-Product-Supply-Submission-Guidelines.pdf".

In accordance with the submission requirements document, the prospective supplier shall:

1. Investigate typical local WA infrastructure and shall nominate the specific product performance characteristics that match particular (named) Corporation infrastructure, by:
(a) reference to the design standards and specifications published on the link below <https://www.watercorporation.com.au/About-us/Suppliers-and-contractors/Resources/Design-standards>; and
(b) direct contact with Corporation conveyance network designers/managers/operators on the ground.
2. Where a specific product/component on offer is considered to be a potential value-adding match to particular Corporation infrastructure as a result of the investigations described under (1), make a formal (succinct) documented product submission that specifically:
(a) identifies product performance characteristics that match nominated Corporation infrastructure components and estimates the corresponding value added to Corporation infrastructure by use of the proposed product/component(s);
(b) defines, in succinct engineering terms, the material, structural, dimensional, mechanical and hydraulic performance characteristics of proposed product assemblies - including **all** integral or joined component parts; and
(c) provides – for each product assembly – its engineering design basis, drawings and relevant supporting engineering calculations and material strength data modelling, all duly validated (signed) by a suitably qualified engineering design professional.

Formal submissions shall exclude commercial product brochures, marketing/sales literature and product endorsement references by other product users (external to the Corporation).

3. Provide independent evidence of conformity with relevant product standards including type performance test evidence e.g. product certification of conformity with an acceptable national or international product standard or an acceptable in-factory inspection and test plan (ITP), duly embedded into the ISO 9001 accredited product manufacturing facility Quality Management System;

Formal submissions shall exclude disparate endorsements or random pseudo-certificates that are not ISO Type 5 product certification elements and are typically provided by a duly accredited Certification Body, as an integral part of its certification process.

4. Provide evidence of quantum and currency of product and public liability and, where applicable, professional indemnity insurance cover for product to be supplied into Corporation infrastructure.

5

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
6	A1 - GRAVITY SEWER COMPONENTS					
NON-PRESSURE PIPES						
1.	Unplasticised PVC (PVC-U), Drain, Waste & Vent (DWV) Pipe System (requires compliance with AS/NZS 1260 for performance testing and product certification)	<div><div>Iplex 22-99-WWA</div><div>Sandwich Construction (SC), Solvent Weld Joint (SWJ), colour grey</div><div>DN100-SN6 DN150-SN8 DN225-SN8</div></div> <div><div>Iplex 22-99-WWA</div><div>Plain Wall Construction (PWC), Solvent Weld Joint (SWJ), colour grey</div><div>DN300-SN8</div></div> <div><div>Iplex 22-99-WWA</div><div>Plain Wall Construction (PWC), Elastomeric Seal Joint (ESJ), colour grey</div><div>DN375-SN8</div></div> <div><div>Vinidex Amended 22-95-WWA</div><div>Plain Wall Construction (PWC), Solvent Weld Joint (SWJ), colour grey</div><div>DN100-SN6 DN150-SN8 DN225-SN8 DN225-SN16 DN300-SN8 DN300-SN16</div></div> <div><div>Vinidex Amended 22-95-WWA</div><div>Plain Wall Construction (PWC), Elastomeric Seal Joint (ESJ), colour grey</div><div>DN375-SN8</div></div> <div><div>Vinidex 24-05-WWA</div><div>Sandwich Construction (SC), Solvent Weld Joint (SWJ), colour grey</div><div>DN100-SN6 DN150-SN8 DN225-SN8 DN300-SN8</div></div>	<div><div>In accordance with Water Corporation Design Standard - DS50</div><div>08/2027</div></div> <div><div>In accordance with Water Corporation Design Standard - DS50</div><div>05/2027</div></div> <div><div>In accordance with Water Corporation Design Standard - DS50</div><div>05/2027</div></div>			

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
1.	Unplasticised PVC (PVC-U), Drain, Waste & Vent (DWV) Pipe System cont'd	Pipemakers 25-06-WWA	Sandwich Construction (SC), Solvent Weld Joint (SWJ), colour grey	DN100-SN6	In accordance with Water Corporation Design Standard - DS50	07/2030
			Plain Wall Construction (PWC), Solvent Weld Joint (SWJ), colour grey	DN100-SN6 DN100-SN10		
			Plain Wall Construction (PWC), Solvent Weld Joint (SWJ), colour grey	DN150-SN8 DN225-SN8 DN300-SN8		
			Plain Wall Construction (PWC), Elastomeric Seal Joint (ESJ), colour grey	DN375-SN8		
2.	Polypropylene (PP) Pipe System (requires compliance with SPS 125)	Iplex 22-99-WWA	SewerMax Structured wall pipe, Elastomeric Seal Joint (ESJ)	DN375-SN10 DN450-SN10 DN525-SN10 DN600-SN10		08/2027
3.	Glass Reinforced Plastic (GRP) Pipe System (requires compliance with SPS 130)	Amiblu Pipe Systems Pty Ltd 25-03-WWA	Flowtite Filament Wound Pipe System with GRP Elastomeric Seal Joint (ESJ) couplings	DN300 to DN1200 SN10,000 to SN20,000 PN3	In accordance with Water Corporation Design Standard - DS50	05/2030
4.	Reinforced Concrete Pipe System – lined (requires compliance with AS/NZS 4058:2007 for performance testing and product certification)		CORPORATION INVITING SUBMISSION			
5.	Reinforced Concrete Pipe System – unlined (requires compliance with AS/NZS 4058:2007 for performance testing and product certification)		CORPORATION INVITING SUBMISSION			

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
NON-PRESSURE PIPE FITTINGS						
6.	Unplasticised (PVC-U), Drain, Waste & Vent (DWV) – Fittings (requires compliance with AS/NZS 1260:2009 for performance testing and product certification)	Plastec 19-57-WWA	Moulded, Solvent Weld Joint (SWJ)	DN100 DN150 DN225 DN300 DN100 and DN150-heavy duty	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	08/2025 (undergoing assessment for re-authorisation)
			Moulded, Elastomeric Seal Joint (ESJ)	DN100 and DN150-heavy duty		
		Iplex 22-99-WWA	Moulded, Solvent Weld Joint (SWJ)	DN100 DN150 DN225 DN300	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	08/2027
			Moulded, Elastomeric Seal Joint (ESJ)	DN375		
		Vinidex 22-95-WWA	Moulded, Solvent Weld Joint (SWJ)	DN100 DN150	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	05/2027
		Vinidex 24-05-WWA	Moulded, Solvent Weld Joint (SWJ)	DN225 DN300	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	05/2027
			Moulded, Elastomeric Seal Joint (ESJ)	DN375		
		Holman Industries 25-02-WWA	Moulded, Solvent Weld Joint (SWJ)	DN100 DN150 DN225 DN300 DN100 and DN150 - heavy duty	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	06/2030
			Moulded, Solvent Weld Joint (SWJ)			
			Moulded, Elastomeric Seal Joint (ESJ)	DN375		

		Australian Plastic Profiles (Pipe King) 22-08-WWA	Moulded, Solvent Weld Joint (SWJ)	DN100 DN150 DN225	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	07/2025 (undergoing assessment for re-authorisation)
		Smartstream 24-07-WWA	Beaufox Moulded, Solvent Weld Joint (SWJ)	DN100 DN150	In accordance with Water Corporation Design Standard - DS50 including minimum requirements of Table 4.10	11/2029

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
NON-PRESSURE PIPE – TRENCHLESS						
7.	Reinforced Concrete Jacking Pipe System – Lined (requires compliance with AS/NZS 4058:2007 for performance testing and product certification)		CORPORATION INVITING SUBMISSION			
8.	Unplasticised (PVC-U) Jacking Pipe System (requires compliance with SPS 115)	No Dig Equipment 22-92-WWA	PVC microtunnelling system using David Moss PVC-U PN 9 Series 1 pipe	DN150 and DN225	Product shall be installed as per the authorised supplier's work method. Pipe jacking is not to be carried out in temperatures exceeding 45°C. 12 kN max jacking load for DN150 PVC Boring Pipe. 24 kN max jacking load for DN225 PVC Boring Pipe.	04/2027
				DN300 PN12	Product shall be installed as per the authorised supplier's work method. DN300 - 4.5m deep: from max jacking load of 147 kN at 20 °C to max jacking load of 85 kN at 50 °C. DN300 - 6m deep: from max jacking load of 137 kN at 20 °C to max jacking load of 79 kN at 50 °C.	06/2025
		AARO Group 25-07-WWA	PVC microtunnelling system using Iplex PVC Series 2 pressure pipe	DN300 PN12 DN375 PN20	Product shall be installed as per the authorised supplier's work method. DN375 - 4.5m deep: from max jacking load of 215 kN at 20 °C to max jacking load of 125 kN at 50 °C. DN375 - 6m deep: from max jacking load of 181 kN at 20 °C to max jacking load of 105kN at 50 °C. DN300 - 4.5m deep: from max jacking load of 147 kN at 20 °C to max jacking load of 85 kN at 50 °C. DN300 - 6m deep: from max jacking load of 137 kN at 20 °C to max jacking load of 79 kN at 50 °C.	06/2025

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
9.	Glass Reinforced Plastic (GRP) Jacking Pipe System (requires compliance with SPS 130)	Amiblu Pipe Systems Pty Ltd 25-03-WWA	Flowtite Filament Wound Jacking Pipe System with GRP or SS Elastomeric Seal Joint (ESJ) couplings	DN300 to DN2000 SN \geq 20,000 PN3 to PN6	The use of GRP couplings is preferred, where feasible, pending review of project-specific expected jacking forces. Pipes DN \geq 1200 shall be supplied with grout ports.	05/2030
		Empire Infrastructure 25-04-WWA	Bosspipe Centrifugally Cast Jacking Pipe System with GRP or SS Elastomeric Seal Joint (ESJ) couplings	DN350 to DN2400 SN 30,000 to 500,000 PN3 to PN6	The use of GRP couplings is preferred, where feasible, pending review of project-specific expected jacking forces. Pipes DN \geq 1200 shall be supplied with grout ports.	10/2028

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
PRE-CAST REINFORCED CONCRETE ACCESS CHAMBER ASSEMBLIES						
10.	Wastewater Access Chamber Assembly (requires compliance with AS 4198 product performance and testing requirements and with DS 50 - incl. AS1170 - for loading and flotation resistance requirements)	Cascada 19-75-WWA	Type 1 circular unlined RC Access Chamber Assembly up to 7.5m effective depth DN150 & DN225 sewers	Chamber base and liners (DN1050 ID), conversion slab, spacers and two part access cover cast into RC surround	For mild external exposure environments as defined in AS4198. Cored holes in liners to be a minimum of 265 mm from joints. In accordance with DS50 and the drawings attached to the authorisation letter.	02/2025 (undergoing assessment for re- authorisation)
		Humes/Holcim Amended 22-87-WWA	Type 1 circular unlined RC Access Chamber Assembly up to 7.5m effective depth DN150 & DN225 sewers	Chamber Superbowl base or benched base, liners (DN1050 ID), conversion slab, spacers and two part access cover cast into RC surround	For mild external exposure environments as defined in AS4198. Superbowl base shall be used where inlets are 90-270 degrees from the outlet. Benched base shall be used for inlets within 90 degrees from the outlet (re-entrant). Cored holes in liners to be a minimum of 100mm from joints for holes less than 300mm diameter and 150mm for holes greater than 300mm. In accordance with DS50 and the design/drawings attached to the authorisation letter.	04/2027

		Smartstream Technology 23-03-WWA	Type 1 circular unlined RC Access Chamber Assembly up to 7.5m effective depth DN150 & DN225 sewers	Chamber DN600 bubble base, DN1050 ID liners (by others), conversion slab, spacers and two part access cover cast into RC surround	For mild external exposure environments as defined in AS4198. Cored holes in liners to be a minimum of 100mm from joints for holes less than 300mm diameter and 150mm for holes greater than 300mm. In accordance with DS50 and the design/drawings attached to the authorisation letter.	05/2028
		Hydrastorm/TC Precast 22-11-WWA	Type 1 circular unlined RC Access Chamber Assembly up to 7.5m effective depth DN150 & DN225 sewers	Chamber base, DN1050 ID liners (by others), conversion slab, spacers and two part access cover cast into RC surround	For mild external exposure environments as defined in AS4198. Cored holes in liners to be a minimum of 100mm from joints for holes less than 300mm diameter and 150mm for holes greater than 300mm. In accordance with DS50 and the design/drawings attached to the authorisation letter.	06/2027
		Humes/Holcim Amended 22-88-WWA	Type 6 circular plastics-lined RC Access Chamber Assembly up to 12m effective depth DN300 to DN600 sewers	Chamber base, liners (DN1200), conversion slab, and two part access cover cast into RC surround	For mild external exposure environments as defined in AS4198. In accordance with DS50 and the design/drawings attached to the authorisation letter. Cored holes in liners: above joints, holes to be a minimum of 100mm from joint (line visible from outside) for holes less than 300mm diameter and 150mm for holes greater than 300mm; below joints, holes to be a minimum of 200mm from joint	04/2027

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
PRE-CAST REINFORCED CONCRETE ACCESS CHAMBER COMPONENTS						
11.	Conversion Slab (requires compliance with AS 3735 and AS 1170 for design and AS4198 for performance testing and product certification)	Cascada 23-05WWA	Type 6, Plastics Lined, Precast RC, Conversion Slab	1680 x 1680 x 230H mm	For mild external exposure environments as defined in AS4198. For Type 6 Plastics Lined Precast RC 1200 x 1200 mm Square Access Chambers. In accordance with Water Corporation Standard Drawing AA01-77-1	10/2028
Conversion slab products are also authorised as part of access chamber assemblies, refer to section above						
12.	Access Cover Surrounds (requires compliance with Standard Drawing AA01-76-1 or AS4198 for performance testing and product certification)	Cascada 24-06-WWA	Two-part class D access cover cast into a plastics lined RC surround	1430 x 1070 x 230H mm Solid top DI or concrete infill cover RC surround flush with cover or recessed 25mm	In accordance with Water Corporation Standard Drawing AA01-76-1 and the product drawings attached to the authorisation letter. Suitable for highly aggressive internal and mild external exposure environments as defined in AS4198.	08/2029
Access cover concrete surround products are also authorised as part of access chamber assemblies, refer to section above						

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
MAINTENANCE SHAFTS						
13.	Maintenance Shafts (requires compliance with WSA137 or AS 4999 for performance testing and product certification)	Smartstream Technology 25-01-WWA	LMDPE DN600 sphere “Poo-Pit” maintenance shaft, with DN225 to DN375 U-PVC riser, and DN225 or DN300 cap	Straight through, angled and junction MS Discharge chamber with PE stub for DN125 and DN180 PE pressure main	For DN 150 to DN 300 PVC DWV sewers (solvent cement jointing), DN375 PVC DWV sewers (elastomeric seal jointing), and DN125 and DN180 PE pressure mains (as a discharge chamber, with PE stub for butt welding). Depth<4m Range of allowable angles inlet to outlet: 75°-285° for DN150 and DN225 sewers, 90°-270° for DN300 and DN375 sewers	01/2030
		Aymroo 22-17-WWA	PVC-U maintenance shaft with DN225 or DN300 riser (by others) and DN225 or DN300 cap. PVC fittings: DN150 inlet long radius bend, DN150 socket to DN125 or DN180 flange inlet fitting for PE pressure main connection	Inline tee style MS Terminal elbow style MS 45 degree junction 90 degree junction	For DN150, DN225 and DN300 sewers Depth <4m Range of allowable angles inlet to outlet 75°-285° however product is limited by fixed inlet angles and the use of max 15° long radius bend on inlets. PVC pipe connections to PVC shaft are to be solvent welded Contractors to be aware of difficulties with mirror inspection of lines incorporating long radius bends. Inspection plan to be agreed with WC at start-up meeting	11/2027

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
ACCESS CHAMBER & MAINTENANCE SHAFT COVERS						
14.	Cast & Ductile Iron Access Covers (requires compliance with SPS 801 and AS 3996 for performance testing and product certification)	Cascada 25-10-WWA	DI – 2 part Solid Top Access Covers & Frames	1000 x 600 mm Class D – Bolt Down		09/2030
			DI – 2 part concrete infill Access Covers & Frames	1000 x 600 mm Class D – Bolt Down		
		Dobbie 21-84-WWA	DI - Maintenance Shaft Covers & Frames	DN375 Class D		02/2026
		EJ 20-79-WWA	DI – 2 part Solid Top Access Covers & Frames	1000 x 600 mm Class D Model LD202T		01/2025 (undergoing assessment for re- authorisation)
			DI – 2 part concrete infill Access Covers & Frames	1000 x 600 mm Class D Model D202T		
		Iplex / Gatic 22-01-WWA	DI - 2 part Solid Top Access Covers & Frames	610 x 984 mm Class D - Bolt Down		08/2027
			DI - 2 part Concrete Infill Access Covers & Frames	610 x 984 mm Class D - Bolt Down		
			DI - Maintenance Shaft Covers & Frames	DN375 Class D		
		Smartstream Technology 24-02-WWA	DI - Maintenance Shaft Covers & Frames	DN450 Class D Bolt down	To be installed with bolts in roadways	04/2029
		Smartstream Technology 21-86-WWA	DI - 2 part Solid Top Access Covers & Frames	600x1000 Class D		08/2026
			DI - 2 part Concrete Infill Access Covers & Frames			

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
A2 - WASTEWATER PUMPING STATION SYSTEMS						
COMPLETE PRE-CAST REINFORCED CONCRETE PUMPING STATION ASSEMBLIES						
15.	Type 10 – Pumping Station System (requires compliance with SPS 702)	Holcim Australia 25-05-WWA	Complete precast pumping station assembly: base, spun liner and end segment, and top slab	DN1800 internal diameter	Max 12 m depth Suitable for moderate external exposure classification to AS 4198 In accordance with DS51 and the product drawings attached to the authorisation letter. Type testing to be completed	09/2030

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
16.	Type 40 – Pumping Station System (requires compliance with SPS 702)	Holcim Australia 25-05-WWA	Complete precast pumping station assembly: base, spun liner and end segment, and top slab	DN2250 internal diameter	Max 12 m depth Suitable for moderate external exposure classification to AS 4198 In accordance with DS51 and the product drawings attached to the authorisation letter. Type testing to be completed	09/2030
		Smartstream 23-01-WWA	Complete precast pumping station assembly: base, liner and top slab	DN2250 internal diameter	Max 12 m depth Suitable for moderate and/or severe external exposure classifications to AS 4198. In accordance with DS51 and the product drawings attached to the authorisation letter.	03/2028

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
17.	Type 90 – Pumping Station System (requires compliance with SPS 702)	Smartstream 23-02-WWA	Complete precast pumping station assembly: base, liner and top slab with internal plastics lining	DN3000 internal diameter	Max 12 m depth Suitable for moderate and/or severe external exposure classification to AS 4198. In accordance with DS51 and the product drawings attached to the authorisation letter.	03/2028

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
PRE-CAST REINFORCED CONCRETE PUMPING STATION COMPONENTS						
18.	Top Slab (requires compliance with Standard Drawings CA01-9-23-01 & 02 for Type 10, CA01-10-6-01, 02, 03 & 04 for Type 40, and CA01-20-8-01, 02, 03 & 04 for Type 90)	Cascada Amended 23-06-WWA	Precast RC Top Slab Type 10	2400 x 2370 x 400H mm	Suitable for mild external exposure classification to AS 4198 In accordance with Water Corporation Standard Drawings CA01-009-023-01 & 02	10/2028
			Precast RC Top Slab Type 40	2700 x 2700 x 400H mm	Suitable for mild external exposure classification to AS 4198 In accordance with Water Corporation Standard Drawings CA01-010-006-01, 02, 03 & 04	10/2028
			Precast RC Top Slab Type 90 with internal plastics lining	4500 x 3600 x 400H mm	Suitable for mild external exposure classification to AS 4198 In accordance with Water Corporation Standard Drawings CA01-020-008-01, 02, 03 & 04	10/2028
		Top slab products are also authorised as part of pump station assemblies, refer to section above				

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
PRE-CAST REINFORCED CONCRETE AIR VALVE AND SCOUR VALVE PIT ASSEMBLIES COMPLETE						
19.	Complete DN 1500 valve pit assembly	Humes/Holcim 22-89-WWA	Circular RC Valve Pit Assembly for air and scour valve applications	Pit base & liners (DN 1500) c/w conversion slab, spacers and access cover cast into RC surround, for deep (> 2.2 m) 2-part cover and shallow (up to 2.2m) with 3-part or assisted lift cover options	In accordance with DS51 and the design/drawings attached to the authorization letter. Exposure limited to non-aggressive internal and mild external exposure environments as defined in AS 4198	04/2027
20.	Complete DN 1800 valve pit assembly	Humes/Holcim 22-90-WWA	Circular RC Valve Pit Assembly for air and scour valve applications	Pit base & liners (DN 1800) c/w conversion slab, spacers and access cover cast into RC surround, for deep (> 2.2 m) 2-part cover and shallow (up to 2.2m) with 3-part or assisted lift cover options	In accordance with DS51 and the design/drawings attached to the authorization letter. Exposure limited to non-aggressive internal and mild external exposure environments as defined in AS 4198	04/2027

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
INLET ACCESS CHAMBERS, AIR VALVE, SCOUR VALVE, VALVE PIT AND PUMPING STATION COVERS						
21.	Cast & Ductile Iron Solid Top Covers (requires compliance with AS 3996 for performance testing and product certification)	Iplex / Gatic 22-01-WWA	DI - 3 Part Solid Top Cover & Frame	914 x 1664 mm Class D		08/2027
			DI - 4 Part Solid Top Cover & Frame	914 x 2038 mm Class D		
			DI - 3 Part Solid Top Cover & Frame	914 x 1511 mm Class D		
		EJ Australia 21-85-WWA	DI – Bolt Down 3 Part Solid Top Cover & Frame	915 x 1670 mm Class D		05/2026
			DI – Bolt Down 4 Part Solid Top Cover & Frame	915 x 2040 mm Class D		
			DI – Bolt Down 3 Part Solid Top Cover & Frame	915 x 1535 mm Class D		
		Cascada 25-10-WWA	DI – Bolt Down 3 Part Solid Top Cover & Frame	915 x 1670 mm Class D		09/2030
			DI – Bolt Down 4 Part Solid Top Cover & Frame	915 x 2070 mm Class D		
			DI – Bolt Down 3 Part Solid Top Cover & Frame	915 x 1540 mm Class D		

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
RISING MAIN - PRESSURE PIPES						
22.	Unplasticised PVC (PVC-U) Pressure Pipe System (requires compliance with SPS 115)	Vinindex 22-93-WWA	Elastomeric Seal Joint (ESJ), Series 2 PN16, colour cream	DN100 DN150 DN200 DN250 DN300	In accordance with Water Corporation Design Standard - DS51	05/2027
			Elastomeric Seal Joint (ESJ), Series 2 PN18, colour cream	DN100 DN150 DN200		
			Elastomeric Seal Joint (ESJ), Series 2 PN20, colour cream	DN100 DN150 DN200 DN250		

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
23.	Modified PVC (PVC-M) Pressure Pipe System (requires compliance with SPS 116)	David Moss 22-98-WWA	Elastomeric Seal Joint (ESJ), Series 2 PN16, colour cream	DN100 DN150 DN200 DN250	In accordance with Water Corporation Design Standard - DS51	05/2027
			Elastomeric Seal Joint (ESJ), Series 2 PN20, colour cream	DN100 DN150 DN200		
		Vinidex 22-93-WWA	Elastomeric Seal Joint (ESJ), Series 2 PN16, colour cream	DN100 DN150 DN200 DN250 DN300 DN375	In accordance with Water Corporation Design Standard - DS51	05/2027
			Elastomeric Seal Joint (ESJ), Series 2 PN20, colour cream	DN100 DN150 DN200		
		Iplex 22-00-WWA	Elastomeric Seal Joint (ESJ), Series 2 PN16 & PN20, colour cream	DN100 DN150 DN200 DN250 DN300 DN375 DN450	In accordance with Water Corporation Design Standard - DS51	07/2027

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
24.	Oriented PVC (PVC-O) Pressure Pipe System (requires compliance with SPS 117)	Vinidex 22-93-WWA	Elastomeric Seal Joint (ESJ), Series 2 PN16, colour cream	DN100 DN150 DN200 DN250 DN300	In accordance with Water Corporation Design Standard - DS51	05/2027
		Iplex 22-00-WWA	Elastomeric Seal Joint (ESJ), Series 2 PN16, colour cream	DN100 DN150 DN200 DN250 DN300	In accordance with Water Corporation Design Standard - DS51	07/2027

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
25.	Polyethylene (PE) Pressure Pipe System (requires compliance with SPS 125)	Vinidex 22-94-WWA	PE100 Series 1 Colour black, striped cream PN16 and PN20	DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Sizes above DN630 not generally acceptable due to limitations on repair options.	04/2027
			PE100 HSCR Series 1 Colour black, striped cream PN20			
		Enviropipes 22-96-WWA	“Enviropressure” PE100 Series 1 Colour black, striped cream PN16 & PN20	DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Sizes above DN630 not generally acceptable due to limitations on repair options.	04/2027
			PE100 HSCR Series 1 Colour black, striped cream PN20			
		David Moss 22-97-WWA	PE100 Series 1 Colour black, striped cream PN16 & PN20	DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Sizes above DN630 not generally acceptable due to limitations on repair options.	04/2027
			PE100 HSCR Series 1 Colour black, striped cream PN20			
		Acu-Tech 22-04-WWA	PE100 Series 1 Colour black, striped cream PN16 & PN20	DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Sizes above DN630 not generally acceptable due to limitations on repair options.	05/2027
			PE100 HSCR Series 1 Colour black, striped cream PN20			

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
26.	Glass Reinforced Plastic (GRP) Pipe System (requires compliance with SPS 130)	Amiblu Pipe Systems Pty Ltd 25-03-WWA	Flowtite Filament Wound Pressure Pipe System with GRP Elastomeric Seal Joint (ESJ) couplings and fittings including elbows, tees, wyes, reducers and flanges	DN300 to DN1200 SN10,000 to SN20,000 PN16 to PN35	In accordance with Water Corporation Design Standard - DS51 Information on Amiblu standard fitting designs is available from the manufacturer	05/2030

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
RISING MAIN - PRESSURE PIPE FITTINGS						
27.	Ductile Iron (DI) Pipe Fittings (requires compliance with SPS 106)	Vinidex 22-07-WWA	PN35 Superlink range	DN100 to DN375	Can be used with any authorised brand of Series 2 PVC pipe. DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only. Polymeric coated to AS/NZS 4158.	08/2027
			PN16 Superlink II lightweight range	DN100 to DN250	Can be used with any authorised brand of Series 2 PVC pipes. DI spigotted fittings not permissible with PVC sockets. Polymeric coated to AS/NZS 4158.	
		Iplex/Crevet 22-02-WWA	PN16 (Flanged) & PN35 (Socket & Flanged) NIBF	DN100 to DN750	Can be used with any authorised brand of Series 2 PVC pipes and GRP pipes. DI spigotted fittings not permissible with PVC and GRP sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only. Polymeric coated to AS/NZS 4158.	08/2027
			PN16 (Crevet SL Socket with Flange Fittings) NIBF & PN20 (Crevet SL Socket Fittings) NIBF lightweight	DN100 to DN300	Can be used with any authorised brand of Series 2 PVC pipes and GRP pipes. DI spigotted fittings not permissible with PVC and GRP sockets. Polymeric coated to AS/NZS 4158.	

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Ductile Iron (DI) Pipe Fittings (cont'd) (requires compliance with SPS 106)	Derwent Industries 18-52-WWA	PN35 Traditional Range with Tyton style EPDM seals	DN100 to DN750	Can be used with any authorised brand of Series 2 PVC pipes DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only. Polymeric coated to AS/NZS 4158	01/2026
			PN20 Socketed Range with Tyton style EPDM seals	DN100 DN150	Can be used with any authorised brand of Series 2 PVC pipes. DI spigotted fittings not permissible with PVC sockets. Polymeric coated to AS/NZS 4158	
			PN16 Lightweight Range with Tyton style EPDM seals	DN100 to DN750	Can be used with any authorised brand of Series 2 PVC pipes. DI spigotted fittings not permissible with PVC sockets. Polymeric coated to AS/NZS 4158	
		Viadux Water Network Solutions 16-09-WA/WWA	PN16 & PN35 traditional range with elastomeric ring seals “Tyton style” EPDM	DN100 to DN750	Can be used with any authorised brand of Series 2 PVC pipes and GRP pipes. DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only. Polymeric coated to AS/NZS 4158.	01/2026
			PN16 & PN35 Auslite lightweight range with elastomeric ring seals “Tyton style” EPDM	DN100 DN150	Can be used with any authorised brand of Series 2 PVC pipes and GRP pipes. DI spigotted fittings not permissible with PVC sockets. Polymeric coated to AS/NZS 4158.	

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No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Ductile Iron (DI) Pipe Fittings (cont'd) (requires compliance with SPS 106)	Galvin Engineering 22-91-WA/WWA	PN16 lightweight range and PN35 traditional range	DN100 to DN300	Can be used with any authorised brand of Series 2 PVC pipes. DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 FIG H13 SP/SP/FL are rated PN16 only. Polymeric coated to AS/NZS 4158.	01/2027
		Dobbie Dico 22-05-WWA	PN16 & PN35 “G1” traditional range	DN100 to DN250	Can be used with any authorised brand of Series 2 PVC pipes and GRP pipes. DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 FIG H13 SP/SP/FL are rated PN16 only. Polymeric coated to AS/NZS 4158.	05/2027
		Dobbie Dico 17-33-WA/WWA	PN16 & PN20 “G2” lightweight range	DN100 DN150	Can be used with any authorised brand of Series 2 PVC pipes. DI spigotted fittings not permissible with PVC sockets. Polymeric coated to AS/NZS 4158.	01/2026

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
28.	Polyethylene (PE) Pipe Fittings (requires compliance with SPS 125)	Acu-tech 24-03-WWA	Machined PE100 scour/air release tee (eccentric) fittings dimensioned as SDR11	180 X 125 250 X 125 315 X 180 355 X 180 400 X 180 (NP) 450 X 180 630 X 180 800 X 180	Rated for PN16 applications NP indicates non-preferred size for Water Corporation infrastructure. Can be used with any authorised brand of Series 1 PE100 pipes. In accordance with Water Corporation Design Standard – DS51	05/2029
		Enviropipes 25-12-WWA	Fabricated PE100 scour/air release tee (eccentric) fittings dimensioned as SDR11	250x125 315x180 355x180 400x180 (NP) 450x180 500x180 (NP) 560x180 630x180 710x180 (TT) 800x180 (TT) 900x180	Rated for PN16 applications NP indicates non-preferred size for Water Corporation infrastructure. TT indicates type testing is to be completed prior to supply. Can be used with any authorised brand of Series 1 PE100 pipes. In accordance with Water Corporation Design Standard – DS51	10/2030

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Polyethylene (PE) Pipe Fittings (cont'd) (requires compliance with SPS 125)	Enviropipes 25-12-WWA	PE100 Sweep Bend Pipe Fittings rated SDR11 (PN16) and SDR9 (PN20)	DN125 DN180 DN250 DN315 DN355 DN450 DN500 (NP) DN560 DN630 DN710 (TT) DN800 (TT) DN900 (TT)	NP indicates non-preferred size for Water Corporation infrastructure. TT indicates type testing is to be completed prior to supply. Can be used with any authorised brand of Series 1 PE100 pipe. In accordance with Water Corporation Design Standard – DS51	10/2030 (to be signed)
		David Moss 25-09-WWA	PE100 Sweep Bend Pipe Fittings rated SDR11 (PN16) and SDR9 (PN20)	DN125 DN180 DN250 DN315 DN355 DN450 DN500 (NP) DN560 DN630 DN710 (TT) DN800 (TT) DN900	NP indicates non-preferred size for Water Corporation infrastructure. TT indicates type testing is to be completed prior to supply. Can be used with any authorised brand of Series 1 PE100 pipe. In accordance with Water Corporation Design Standard – DS51	09/2030
		Acu-Tech 22-10-WWA	PE100 Sweep Bend Pipe Fittings rated SDR11 (PN16) and SDR9 (PN20)	DN125 DN180 DN250 DN315 DN355 DN450 DN500 (NP) DN560 DN630	NP indicates non-preferred size for Water Corporation infrastructure. SDR11 and SDR9 rated for PN16 and PN20 applications respectively. Can be used with any authorised brand of Series 1 PE100 pipe. In accordance with Water Corporation Design Standard – DS51	06/2027

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Polyethylene (PE) Pipe Fittings (cont'd) (requires compliance with SPS 125)	AGRU Australia 19-62-WA/WWA	PN16 AGRU Injection Moulded Polyethylene Long Spigot Fittings and Couplers	<p>Bends DN63, 125, 180</p> <p>Stub Flanges DN63, 125, 180, 250, 315, 355</p> <p>Reducers DN63, 125, 180, 250, 315</p> <p>Electrofusion Couplers DN63, 125, 180, 250, 315, 355, 450</p> <p>Equal Tees DN63, 125, 180, 250, 315, 355</p> <p>Reducing Tees (Concentric) DN63, 125, 180, 250, 315</p>	<p>In accordance with Water Corporation Design Standards – DS51</p> <p>All fittings are to be HSCR or equivalent.</p> <p>Electrofusion jointing is only to be used where butt fusion jointing is not practical, and accepted by Water Corporation Engineering.</p> <p>Suitable for Series 1 PE pipes only.</p>	01/2026

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Polyethylene (PE) Pipe Fittings (cont'd) (requires compliance with SPS 125)	Plasson Australia 19-60-WA/WWA	PN16 Simona Injection Moulded Spigot Fittings	Bends: DN63, 125, 180, 250, 315, 355, 450 Stub Flanges: DN63, 125, 180, 250, 315, 355 Reducers: DN63, 125, 180, 250, 315 Equal Tees: DN63, 125, 250, 315, 355 Reducing Tees (Concentric): DN63, 125, 180, 250, 315	In accordance with Water Corporation Design Standards – DS51 All fittings are to be HSCR or equivalent. Electrofusion jointing is only to be used where butt fusion jointing is not practical, and accepted by Water Corporation Engineering. Suitable for Series 1 PE pipes only.	01/2026
		Plasson Australia 19-61-WA/WWA	PN16 Plasson Injection Moulded Polyethylene Electrofusion Fittings	Couplings: DN63, 125, 180, 250, 315, 355, 450, 560, 630 Equal Tees: DN63, 125, 180, 250	In accordance with Water Corporation Design Standards – DS51 All fittings are to be HSCR or equivalent. Electrofusion jointing is only to be used where butt fusion jointing is not practical, and accepted by Water Corporation Engineering. Suitable for Series 1 PE pipes only.	01/2026

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
29.	Restrained and Unrestrained Mechanical Pipe Couplings (requires compliance with AS/NZS 4998 or an acceptable alternative standard for performance testing and product certification. Restrained couplings also require compliance with an acceptable and appropriate standard to demonstrate axial restraint performance)	AVK Wang 17-36-WA/WWA	PN16 Wang Vari-Gib Unrestrained Pipe Coupling	Straight Coupling DN100 to DN600 Stepped Coupling DN100 to DN300	Can only be used for final joint closure and only on pressure pipelines. Can be used with CI, DI, MS, PVC-U/M/O and AC pipes.	01/2026
			PN16 AVK Supa-Gib Unrestrained Pipe Coupling	Straight Coupling DN100 to DN600 Stepped Coupling DN100 to DN300	Can only be used with plastic pipes with the following minimum pressure rating/stiffness: PVC-U – PN9 PVC-M – PN12 PVC-O – PN16 GRP – SN5000	
		AVK Wang 17-37-WA/WWA	PN16 AVK 600 Series Unrestrained Pipe Coupling	Straight Coupling DN100 to DN400 Stepped Coupling DN100 to DN300	Can only be used for final joint closure and only on pressure pipelines. Can be used with CI, DI, MS, PVC-U/M/O and AC pipes.	01/2026
		Daemco 17-30-WA/WWA	PN16 Daemco Reinoversal Unrestrained Mechanical Couplings	Straight Coupling DN100 to DN600	Can only be used for final joint closure and only on pressure pipelines. Can be used with CI, DI, MS, PVC-U/M/O, GRP and AC pipes.	01/2026

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Restrained and Unrestrained Mechanical Pipe Couplings (cont'd) (requires compliance with AS/NZS 4998 or an acceptable alternative standard for performance testing and product certification. Restrained couplings also require compliance with an acceptable and appropriate standard to demonstrate axial restraint performance)	Derwent Industries 19-72-WWA	PN16 Derwent Unrestrained Mechanical Couplings	Straight Coupling DN100 and DN150	Can only be used for final joint closure and only on pressure pipelines. Can be used with CI, DI, MS, PVC- U/M/O and AC pipes. Can only be used with plastics pipes with the following minimum pressure rating/stiffness: PVC-U – PN9 PVC-M – PN12 PVC-O – PN16	01/2026
		Georg Fischer 17-35-WA/WWA	PN16 WAGA Multi/Joint Restrained Pipe Couplings	Straight Coupling DN100 to DN300	Can only be used for final joint closure and only on pressure pipelines. Can be used with CI, DI, MS, PE and AC pipes. Axially restrained couplings shall be used for PE pipe joints. Pipe insert stiffeners shall be used for PE pipe jointing. Refer to manufacturer's installation specification.	01/2026
		Vinidex 19-68-WWA	PN16 Viking Johnson UltraGrip Restrained Mechanical Couplings	Straight Couplings DN40 to DN300 Reducing Couplings DN32/40 to DN250/300	Can only be used for final joint closure and only on pressure pipelines. Can be used with CI, DI, MS, PE and AC pipes. Axially restrained couplings shall be used for joints to PE pipes. Pipe insert stiffeners shall be used for PE pipe jointing. Refer to manufacturer's installation specification	01/2026

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	<p>Restrained and Unrestrained Mechanical Pipe Couplings (cont'd)</p> <p>(requires compliance with AS/NZS 4998 or an acceptable alternative standard for performance testing and product certification. Restrained couplings also require compliance with an acceptable and appropriate standard to demonstrate axial restraint performance)</p>	<p>Victaulic Australia 20-78-WA/WWA</p>	<p>Victaulic Style 905 Restrained Mechanical Couplings for PN16 PE Pressure Pipe</p>	<p>DN63 DN125 DN180</p>	<p>Can only be used for final joint closure and only on pressure pipelines.</p> <p>For use with PE Pipe only.</p> <p>Limited tolerance for Pipe ODs.</p>	<p>01/2026</p>

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
30.	Mechanical Tapping Bands (requires compliance with AS/NZS 4793 for performance testing and product certification. For tapping bands for use with polyethylene pipe, requires compliance with AS/NZS 4129 for performance testing and product certification.)	Derwent Industries 19-65-WWA	PN16 Derwent Uniclamp Ductile Iron Flanged Offtake Clamps for Series 1 PE Pipe	DN125x80 DN125x100 DN180x80 DN180x100	For use with Series 1 PE pipe only. Tapping sizes DN80 - DN100.	01/2026
		Hygrade Water 19-74-WWA	PN16 Haku Ductile Iron Flanged Offtake Clamps for Series 1 PE Pipe	DN125x80 DN125x100 DN180x80 DN180x100 DN250x80 DN315x80 DN315x150 DN355x150	For use with Series 1 PE pipe only. Tapping sizes DN80, DN100 and DN150 Alternative design tapping band for sizes DN 250 to DN 630 where the bottom half of the saddle is a Grade 316 stainless steel strap is not accepted by Water Corporation	01/2026

TABLE A Wastewater Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
A3 - WASTEWATER VACUUM SYSTEMS						
VACUUM MAIN - PRESSURE PIPES						
31.	Unplasticised PVC (PVC-U), Series 1, Pressure Pipe (requires compliance with SPS 115)	David Moss 22-98-WWA	Solvent Weld Joint (SWJ), Series 1, PN12, colour white or straw	DN50 DN80 DN100 DN125 DN150 DN200 DN225		05/2027
		Iplex 22-99-WWA	Solvent Weld Joint (SWJ), Series 1, PN12, colour white	DN50 DN80 DN100 DN125 DN150 DN200 DN225		08/2027
32.	PVC pressure fittings for vacuum systems (requires compliance with WSA-06)	Hydrastorm 25-13-WWA	Fabricated PVC wye fitting for SWJ	80x80 (TT) 100x80 (TT) 100x100 (TT) 150x80 (TT) 150x100 150x150 (TT) 200x80 (TT) 200x100 (TT) 200x150 (TT) 200x200 (TT)	TT indicates type testing is to be completed prior to supply	10/2030

NOTES AND COMMENTS

A.	The above Tables comprise listings of authorised strategic products that have consistently performed over long periods of service, have been subject to formal documented authorisation processes as described in Note F or have been deemed fit for purpose by virtue of past usage in WA water and wastewater conveyance systems.
B.	The Tables are not intended to be an exhaustive listing of authorised product suppliers. The authorisation of new products (and suppliers) in the Tables shall be in accordance with the requirements set out in the following Notes.
C.	Authorisation of a new product shall be subject to a formal documented appraisal process such as described below. Where product performance in service is untried or untested special product warranty conditions may apply as deemed appropriate by the Corporation may be required.
D.	The objectives of authorisation processes for strategic products include evaluation of engineering and operational fitness for purpose, whole-of-life risk and value, service life expectancy and compatibility with existing Corporation infrastructure and stock.
E.	Authorisation shall be limited to the listed products. Designers and constructors shall ensure that products intended for use have been authorised in accordance with these requirements.
F.	The typical stages of authorisation of a strategic product are:
	(a) Submission to a formal engineering appraisal process whereby product design and certification to the required product standards is verified and operational fitness for purpose is proven by trial in live service, prior to any authorisation or use;
	(b) Appraisal of product design, third party certification and fitness for nominated performance levels under the WSAA National Product Appraisal Scheme operated by the Water Services Association of Australia (WSAA) on behalf of its members (including the Corporation). Information on WSAA appraisal application procedures, terms and conditions may be referenced at www.wsaa.asn.au . Appraisal may alternatively, by agreement, comprise a formal report by a product assessor having appropriate specialist product knowledge and qualifications acceptable to the Corporation;
	(c) Initial limited scale operational trialling of product samples including performance reporting under headings of ease of handling and robustness under live installation and service conditions, identified service limitations and adequacy of product assembly and installation instructions.
G.	Suppliers shall bear the liabilities including the cost of product appraisal and verification of compliance with the requirements herein. Suppliers are also advised to plan the timing of product submissions for authorisation to take due account of product appraisal and certification processes including operational trials which can be time consuming.

(*) **Authorisation number:**

yy	nn	xxA
Year	Sequential number	WA - Water WWA – Wastewater

6 TABLE B Water Conveyance Products

Item No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORISATION EXPIRY DATE
B1 WATER AND NON-DRINKING WATER CONVEYANCE PRODUCTS						
PRESSURE PIPES						
1.	Unplasticised PVC (PVC-U) Pressure Pipe System (requires compliance with SPS 115)	Iplex 16-19-WA/WWA	Elastomeric Seal Joint (ESJ), Series 2, PN16, Coloured Blue	DN100 DN150 DN200 DN250 DN300 DN375	In accordance with Water Corporation Design Standards - DS60, DS63	01/2026
			Elastomeric Seal Joint (ESJ), Series 2, PN16, Coloured Blue	DN100 DN150 DN200 DN250 DN300		
		Vinindex 16-08-WA/WWA	Elastomeric Seal Joint (ESJ), Series 2, PN18, Coloured Blue	DN100 DN150 DN200	In accordance with Water Corporation Design Standards - DS60, DS63	01/2026
			Elastomeric Seal Joint (ESJ), Series 2, PN20, Coloured Blue	DN100 DN150 DN200 DN250		

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
2.	Modified PVC (PVC-M) Pressure Pipe System (requires compliance with SPS 116)	Iplex 16-19-WA/WWA	Elastomeric Seal Joint (ESJ), Series 2, PN16 & PN20, Coloured Blue	DN100 DN150 DN200 DN250 DN300 DN375	In accordance with Water Corporation Design Standards – DS60 and DS63	01/2026
				DN100 DN150 DN200 DN250 DN300 DN375		
		Vinidex 16-08-WA/WWA	Elastomeric Seal Joint (ESJ), Series 2, PN16, Coloured Blue	DN100 DN150 DN200 DN250 DN300 DN375	In accordance with Water Corporation Design Standards - DS60 and DS63	01/2026
				DN100 DN150 DN200		
		David Moss 19-63-WA/WWA	Elastomeric Seal Joint (ESJ), Series 2, PN16 RRJ, Coloured blue	DN100 DN150 DN200 DN250	In accordance with Water Corporation Design Standards - DS60 and DS63	01/2026
				DN100 DN150 DN200		

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
3.	Polyethylene (PE) Pressure Pipe System (requires compliance with SPS 125)	Iplex 16-19-WA/WWA	PE100, Series 1, Coloured Black with Blue Stripes PN20 & PN25	DN25 DN32 DN63 DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Only resins assessed by Water Corporation as Disinfection Resistant are permitted Acceptable resins are listed below: 1- LyondellBasell's Hostalen CRP 100 RCD; In accordance with Water Corporation Design Standards - DS60 and DS63 Wall thicknesses greater than 51mm not permitted without written approval from Engineering Branch	01/2026
		Vinidex 16-08-WA/WWA	PE100, Series 1, Coloured Black with Blue Stripes, PN20 & PN25	DN25 DN32 DN63 DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Only resins assessed by Water Corporation as Disinfection Resistant are permitted Acceptable resins are listed below: 1- LyondellBasell's Hostalen CRP 100 RCD; In accordance with Water Corporation Design Standards - DS60 and DS63 Wall thicknesses greater than 51mm not permitted without written approval from Engineering Branch	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Enviropipes 16-17-WA/WWA	PE100, Series 1, Coloured Black striped blue, PN20 & PN25	DN25 DN32 DN63 DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Only resins assessed by Water Corporation as Disinfection Resistant are permitted Acceptable resins are listed below: 1- LyondellBasell's Hostalen CRP 100 RCD; In accordance with Water Corporation Design Standards - DS60 and DS63 Wall thicknesses greater than 51mm not permitted without written approval from Engineering Branch	01/2026
		David Moss 25-08-WA	PE100, Series 1, Coloured Black striped blue, PN20 and PN25	DN25 DN32 DN63 DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Only resins assessed by Water Corporation as Disinfection Resistant are permitted Acceptable resins are listed below: 1- LyondellBasell's Hostalen CRP 100 RCD; In accordance with Water Corporation Design Standards - DS60 and DS63 Wall thicknesses greater than 51mm not permitted without written approval from Engineering Branch	09/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Acu-Tech 17-15-WA/WWA	PE100, Series 1, Coloured Black with Blue Stripes PN20 & PN25	DN25 DN32 DN63 DN125 DN180 DN250 DN315 DN355 DN450 DN560 DN630	Only resins assessed by Water Corporation as Disinfection Resistant are permitted Acceptable resins are listed below: 1- LyondellBasell's Hostalen CRP 100 RCD; In accordance with Water Corporation Design Standards - DS60 and DS63 Wall thicknesses greater than 51mm not permitted without written approval from Engineering Branch	01/2026
4.	Copper Pressure Pipe System (requires compliance with AS 1432 for performance testing and product certification)	MM Kembla 17-17-WA	Type A, Straight Tube	DN15 DN18 DN20 DN25 DN32 DN40 DN50 DN65 DN80 DN100 DN125 DN150 DN200	In accordance with Water Corporation Design Standards - DS63	01/2026
5.	Glass Reinforced Plastic (GRP) Pipe System (requires compliance with SPS 130)	RPC Pipe Systems 17-16-WA/WWA	Flowtite GRP Filament Wound Pipe System with Elastomeric Seal Joint (ESJ)	DN300 to DN1200 SN5000 to SN20000 PN12 to PN35	In accordance with Water Corporation Design Standard – DS60	10/2024

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Clover Pipelines 19-69-WA/WWA	GRP Superlit Filament Wound Pipe System with Elastomeric Seal Joint (ESJ)	DN300 to DN1200 SN10000 to SN20000 PN12 to PN35	In accordance with Water Corporation Design Standard – DS60	12/2024
6.	Steel Pipe System (requires compliance with SPS 100)	Steel Mains	Sintakote (MDPE Coated, Cement Lined) Sintapipe (MDPE Coated, MDPE Lined) With Jointing System: Sintajoint (ESJ) Sintalock (ESJ-WR) Plain End (WJ-PE) Ball & Socket (WJ-B&S) Spherical Slip (WJ-SSJ) Flanged Joint	DN100 (4.8 mm) DN150 (5 mm) DN200 (5 mm) DN250 (5 mm) DN300 (5mm) DN400 (5 mm) DN500 (5 mm) DN600 (6 mm) DN700 (6 mm) DN800 (7 mm) DN900 (7 mm) DN1000 (8 mm) DN1200 (9 mm) DN1400 (11mm)	Sintapipe generally only acceptable where approved on a project-specific basis. In accordance with Water Corporation Design Standard – DS60 andDS63	04/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
B2 WATER AND NON-DRINKING WATER CONVEYANCE PRODUCTS						
FITTINGS						
7.	Ductile Iron (DI) Pipe Fittings (requires compliance with SPS 106)	Vinidex 17-05-WA/WWA	PN35 Superlink range	DN100 to DN375	DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only	01/2026
			PN16 Superlink II lightweight range	DN100 to DN250	DI spigotted fittings not permissible with PVC sockets.	
		Galvin Engineering 16-01-WA/WWA	PN35 traditional range	DN100 to DN300	DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 FIG H13 SP/SP/FL are rated PN16 only.	01/2026
			PN16 lightweight range	DN100 DN150	DI spigotted fittings not permissible with PVC sockets.	

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Derwent Industries 15-07-WA/WWA	PN35 Traditional Range with Tyton style EPDM seals	DN100 to DN750	DI spigotted fittings not permissible with PVC sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only.	01/2026
			PN20 Socketed Range with Tyton style EPDM seals	DN100 DN150	DI spigotted fittings not permissible with PVC sockets.	
			PN16 Lightweight Range with Tyton style EPDM seals	DN100 to DN750	DI spigotted fittings not permissible with PVC sockets.	01/2026
		Derwent Industries 19-64-WA	PN16 Derwent Uniclamp Ductile Iron Flanged Offtake Clamps for Series 1 PE Pipe	DN125x80 DN125x100 DN180x80 DN180x100	For use with Series 1 PE pipe only. Only permitted to cut new tee into an existing main. Tapping sizes DN80 - DN100.	01/2026
		Iplex/Crevet 17-06-WA/WWA	PN35 NIBF - Socket and Flanged	DN100 to DN750	DI spigotted fittings not permissible with PVC and GRP sockets. Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only.	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
			PN16 NIBF- Flanged	DN100 to DN750	DI spigotted fittings not permissible with PVC and GRP sockets.	
			PN20 NIBF Lightweight-Crevet SL Socket Fittings	DN100 to DN300	DI spigotted fittings not permissible with PVC sockets.	
			PN16 NIBF Lightweight-Crevet SL Socket with Flange Fittings	DN100 to DN300	DI spigotted fittings not permissible with PVC sockets.	01/2026
		Viadux Water Network Solutions 16-09-WA/WWA	Sureflow - PN16 and PN35 traditional range with Elastomeric Ring Seals EPDM	DN100 to DN750	Compatible with any series 2 PVC and GRP pipes Di spigotted fittings not permissible with PVC or GRP sockets Tees – AS/NZS 2280 Fig H13 SP/SP/FL are rated PN16 only	01/2026
			Sureflow - PN16 and PN35 Auslite lightweight range with Elastomeric Ring Seals EPDM	DN100 DN150	DI spigotted fittings not permissible with PVC or GRP sockets.	
		Dobbie Dico 17-01-WA/WWA	PN16 and PN35 “G1” Traditional Range	DN100 DN150 DN200 DN250	DI spigotted fittings not permissible with PVC and GRP sockets. TEES – AS/NZS 2280 FIG H13 SP/SP/FL are rated PN16 only.	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Dobbie Dico 17-33-WA/WWA	PN16 and PN20 “G2” lightweight range	DN100 DN150	DI spigotted fittings not permissible with PVC sockets.	01/2026
		Hygrade Water 19-73-WA	PN16 Haku Ductile Iron Flanged Offtake Clamps for Series 1 PE Pipe	DN125x80 DN125x100 DN180x80 DN180x100 DN250x80 DN250x100 DN250x150 DN315x80 DN315x150 DN355x150	For use with Series 1 PE pipe only. Tapping sizes DN80, DN100 and DN150 Must be full body and full circumference DI type. Alternative designs that incorporate a thin strap on the underside are not accepted.	01/2026
8.	Polyethylene (PE) and Polypropylene (PP) Pipe Fittings (requires compliance with SPS 125)	Georg Fischer 16-03-WA	PN16 iJoint Compression Fittings	DN63	Suitable for Series 1 PE pipes only. In accordance with Water Corporation Design Standard – DS63	01/2026
		Philmac 17-18-WA	PN16 Philmac 3G Metric Compression Fittings	Adaptors, Couplings, 90° Elbows and Tees: DN63	Suitable for Series 1 PE pipes only. In accordance with Water Corporation Design Standard – DS63	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Plasson Australia 17-21-WA	PN16 Plasson Metric Compression Fittings	DN63	Suitable for Series 1 PE pipes only. In accordance with Water Corporation Design Standard – DS63	01/2026
		Plasson Australia 19-60-WA/WWA	PN16 Simona Injection Moulded Polyethylene Spigot Fittings	Bends DN63, 125, 180, 250, 315, 355, 450 Reducers DN63, 125, 180, 250, 315	Tees are not to be used in water applications. All fittings are to be HSCR or equivalent. Electrofusion jointing is only to be used where butt fusion jointing is not possible and requires acceptance by Water Corporation Engineering prior to use. Suitable for Series 1 PE pipes only.	01/2026
		Plasson Australia 19-61-WA/WWA	PN16 Plasson Injection Moulded Polyethylene Electrofusion Fittings	Couplings DN63, 125, 180, 250, 315, 355, 450, 560, 630	Tees are not to be used in water applications. All fittings are to be HSCR or equivalent. Electrofusion jointing is only to be used where butt fusion jointing is not possible and requires acceptance by Water Corporation Engineering prior to use.	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
			PN25 Plasson Injection Moulded Polyethylene Electrofusion Fittings	Couplings DN63, 125, 180, 250, 315, 355	Suitable for Series 1 PE pipes only.	01/2026
		AGRU Australia 19-62-WA/WWA	PN16 AGRU Injection Moulded Polyethylene Long Spigot Fittings and Couplers	Bends DN63, 125, 180 Reducers DN63, 125, 180, 250, 315 Electrofusion Couplers DN63, 125, 180, 250, 315, 355, 450	Tees are not to be used in water applications. All fittings are to be HSCR or equivalent. Electrofusion jointing is only to be used where butt fusion jointing is not possible and requires acceptance by Water Corporation Engineering prior to use.	
			PN25 AGRU Injection Moulded Polyethylene Long Spigot Fittings and Couplers	Electrofusion Couplers DN63, 125, 180, 250, 315	Suitable for Series 1 PE pipes only.	
		Enviropipes	Polyethylene Fittings	Stub Flanges	Stub must be equivalent SDR to the pipe it is joined to To be made from resin of equivalent stress crack resistance and Disinfection Resistance as the pipe they are welded to.	
		Acu-tech			In accordance with Water Corporation Design Standard – DS63	

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		David Moss			Electrofusion jointing is only to be used where butt fusion jointing is not possible and requires acceptance by Water Corporation Engineering prior to use Suitable for Series 1 PE pipes only	
9.	Brass Connectors ≤ DN32 for PE Pipes	Zetco	Brass Fittings	<p>Series 6603 TOF Push Tee DN25, DN32,</p> <p>Series 6604 Male x TOF Push Connector DN25 x DN20 and DN 32 x DN25</p> <p>Series 6605 Male x TOF Push Joiner DN25 and DN 32 Series 6606 Male x TOF Push Elbow DN25 x DN20</p> <p>Series 6607 Capillary x TOF Push Elbow DN20 x DN25 and DN20 x DN32</p>	Shall only be used with PE pipes. PE pipes must be min PN16	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)		PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
10.	Unrestrained Mechanical Pipe Couplings (requires compliance with AS/NZS 4998 or an acceptable alternative standard for performance testing and product certification.)	AVK Wang	17-36- WA/WWA	PN16 Wang Vari-Gib Unrestrained Pipe Coupling – 316 Stainless Steel and DI	Straight Coupling DN100 to DN600 Stepped Coupling DN100 to DN300	Can be used with CI, DI, MS, PVC- U/M/O, GRP and AC pipes. can only be used with plastic pipes with the following minimum pressure rating/stiffness: PVC-U – PN12 PVC-M – PN12 PVC-O – PN16 GRP – SN5000	01/2026
		AVK Wang	17-36- WA/WWA	PN16 AVK Supa-Gib Unrestrained Pipe Coupling	Straight Coupling DN100 to DN600 Stepped Coupling DN100 to DN300	Can be used with CI, DI, MS, PVC- U/M/O, GRP and AC pipes.	01/2026
		Iplex				Can only be used with plastic pipes with the following minimum pressure rating/stiffness: PVC-U – PN12 PVC-M – PN12 PVC-O – PN16 GRP – SN5000	
		Reece Plumbing					

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)		PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Unrestrained Mechanical Pipe Couplings (requires compliance with AS/NZS 4998 or an acceptable alternative standard for performance testing and product certification)	AVK Wang	17-37- WA/WWA	PN16 600 Series Unrestrained Pipe Couplings – 316 Stainless Steel and	Straight Coupling DN100 to DN400 Stepped Coupling DN100 to DN300	Can be used with CI, DI, MS, PVC- U/M/O and AC pipes.	01/2026
		Iplex					
		Reece Plumbing					
		Daemco 17-30-WA/WWA		PN16 Daemco Reinoversal Unrestrained Mechanical Couplings 316 Stainless Steel	Straight Coupling DN100 to DN600	Can be used with CI, DI, MS, PVC- U/M/O, GRP and AC pipes.	01/2026
		Derwent Industries 19-71-WA		PN16 Derwent Unrestrained Mechanical Couplings 316 Stainless Steel	Straight Coupling DN100, DN150, DN200 & DN250	Can be used with CI, DI, MS, PVC- U/M/O and AC pipes. Can only be used with plastic pipes with the following minimum pressure rating/stiffness: PVC-U – PN12 PVC-M – PN12 PVC-O – PN16	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
11.	Restrained Mechanical Pipe Couplings (requires compliance with AS/NZS 4998 or an acceptable alternative standard for performance testing and product certification. Restrained couplings also require compliance with an acceptable and appropriate standard to demonstrate axial restraint performance)	Georg Fischer 17-35-WA/WWA	PN16 WAGA Multi Joint Restrained Pipe Couplings	Straight Couplings DN100 to DN300	Can be used with CI, DI, MS, PE and AC pipes. Axially restrained couplings shall be used for joints to PE pipes. Pipe insert stiffeners shall be used for PE pipe joints. Refer to manufacturer's installation specification.	01/2026
		Vinidex 19-67-WA	PN16 Viking Johnson UltraGrip Restrained Mechanical Couplings	Straight Couplings DN40 to DN300 Reducing Couplings DN32/40 to DN250/300	Can be used with CI, DI, MS, PE and AC pipes. Not to be used with GRP and PVC pipes. Axially restrained couplings shall be used for joints to PE pipes. Pipe insert stiffeners shall be used for PE pipe joints. Refer to manufacturer's installation specification	01/2026
12.	Mechanical Tapping Bands (requires compliance with AS/NZS 4793 for performance testing and product certification. For tapping bands for use with polyethylene pipe, requires compliance with ASN/NZS 4129 for performance testing and product certification.)	Iplex 16-20-WA	Milnes Gun Metal Tapping Bands PN16	DN80 – 375	For use with Series 1 PVC, Series 2 PVC, Galvanised Steel, AC and DICL pipes only. Tapping sizes DN15 to DN50	01/2026
		Stockbrands 17-25-WA	PN16 FRP Tapping Bands for Series 2 PVC Pipe	DN100 DN150 DN200 DN250 DN300	For use with Series 2 PVC pipes only. Tapping sizes DN20 to DN50.	10/2023

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
		Stockbrands 17-25-WA	PN16 FRP Tapping Bands for Series 1 PVC Pipe	DN50 DN80 DN100 DN150 DN200 DN250	For use with Series 1 PVC pipes only. Tapping sizes DN20 to DN50.	
13.	Mechanical Tapping Bands for pipes other than PVC (requires compliance with AS/NZS 4793 for performance testing and product certification. For tapping bands for use with polyethylene pipe, requires compliance with AS/NZS 4129 for performance testing and product certification.)	Stockbrands 17-25-WA	PN16 FRP Tapping Bands for Series 1 PE Pipe	DN63 DN110 DN125 DN180 DN250 DN315	For use with Series 1 PE pipes only. Tapping sizes DN20 to DN50.	
		Viadux Water Network Solutions 17-38-WA	PN16 Wang Rigi-Tap Stainless Steel Tapping Bands	DN50 DN65 DN80 DN100 DN150 DN200 DN250 DN300	For use on RC pipes only. Tapping sizes DN20 to DN50.	06/2025
		Derwent Industries 20-83-WA	PN16 Derwent Stainless Steel Tapping Bands	DN150 DN225 DN300	For use on RC pipes only. Tapping sizes DN20 to DN50.	12/2025

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
B3 WATER AND NON-DRINKING WATER CONVEYANCE PRODUCTS						
MISCELLANEOUS						
14.	Service Chambers and Covers (requires compliance with AS 3996 for load testing)	Stockbrands 17-19-WA	GRP Service Chamber – Water Meter/Valve	619 x 504 x 300 mm Class D	In accordance with Water Corporation Standard Drawing BD64-10-1.	01/2026
		Viadux 17-32-WA	Class B lightweight sluice valve DI cover, recycled plastics frame, DN 300 PVC shroud pipe and DI base plate assembly	225 mm internal riser shaft diameter	For non-trafficable verge applications only. In accordance with Water Corporation Standard Drawings AQ71-1-7 and AQ71-1-8. Arrangement as shown on Standard Drawings BD62-2-1 (MMR 20313)	01/2026
		EJ Pty Ltd 17-39-WA	HM108 430x296 Watercorp Meter Box Inspection Cover & Frame HM109 320x196 Watercorp Fire Hydrant Inspection Cover & Frame HM110 Ø89 Watercorp Sluice Valve Inspection Cover & Frame	HM108 HM109 HM110	In accordance with Water Corporation DS63 Standard Drawings AQ71-1-1, AQ71-1-2, AQ71-1-4.	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Service Chambers and Covers (requires compliance with AS 3996 for load testing)	Iplex Historical DS63	Water Corp Cast Iron Items Meter Box Inspection Cover & Frame Hydrant Box Inspection Cover & Frame Stop Tap Inspection Cover & Frame Sluice Valve Inspection Cover & Frame	N/A	In accordance with Water Corporation DS63 Standard Drawings AQ71-1-1, AQ71-1-2, AQ71-1-3 and AQ71-1-4.	01/2026
		Dobbie Dico Historical DS63	Water Corp Cast Iron Items Meter Box Inspection Cover & Frame Hydrant Box Inspection Cover & Frame Stop Tap Inspection Cover & Frame Sluice Valve Inspection Cover & Frame	N/A	In accordance with Water Corporation DS63 Standard Drawings AQ71-1-1, AQ71-1-2, AQ71-1-3 and AQ71-1-4.	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Service Chambers and Covers (requires compliance with AS 3996 for load testing)	Galvin Engineering Historical DS63	Water Corp Cast Iron Items	N/A	In accordance with Water Corporation DS63 Standard Drawings AQ71-1-1, AQ71-1-2, AQ71-1-3 and AQ71-1-4.	01/2026
			Meter Box Inspection Cover & Frame			
			Hydrant Box Inspection Cover & Frame			
			Stop Tap Inspection Cover & Frame			
		Viadux Historical DS63	Sluice Valve Inspection Cover & Frame	N/A	In accordance with Water Corporation DS63 Standard Drawings AQ71-1-1, AQ71-1-3 and AQ71-1-4.	01/2026
			Water Corp Cast Iron Items			
			Meter Box Inspection Cover & Frame			
			Stop Tap Inspection Cover & Frame			
15.	Ancillary Tools	Stockbrands 17-19-WA	Stand-up Protector for DN20 Service	Coloured Black with Blue Stripes Coloured Purple	In accordance with Water Corporation Standard Drawing BD64-9-1.	01/2026

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Ancillary Tools	Dobbie Dico 17-34-WA	Stand-up Protector for DN20 Service	Coloured Blue Coloured Purple	In accordance with Water Corporation Standard Drawing BD64-9-1.	01/2026
		Smartstream Technology 17-40-WA	Stand-up Protector for DN20 Service	Coloured Blue Coloured Purple	In accordance with Water Corporation Standard Drawing BD64-9-1.	01/2026
		Stockbrands 17-19-WA	Security Plug for DN20 Service Protector	DN20 Plug Coloured Frog Green	Restricted security item. Available from Water Corporation store in Canning Vale. In accordance with Water Corporation Standard Drawing BD64-9-2.	06/2025
			3-10 Service Manifold Assembly	DN63	In accordance with Water Corporation Standard Drawing BD62-8-9.	

TABLE B Water Conveyance Products

No	COMPONENT	MANUFACTURER - SUPPLIER / AUTHORISATION No (*)	PRODUCT	RANGE	PRODUCT LIMITATIONS / OUTSTANDING APPRAISAL TASKS	AUTHORI- SATION EXPIRY DATE
	Ancillary Tools	Stockbrands 17-19-WA	Complete Copper Riser Assembly	DN20 670 and 340mm Length	In accordance with Water Corporation Standard Drawing BD22-5-8.	

TABLE C Mechanical Products

7.1 Air Valves for Water

Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Single orifice – water	DN 15 - DN 25	2	SPS 200	ARI	S-050, PN16 S-050C, PN16 S-052, PN25 S-015, PN40	Amiad Australia Pty Ltd		
Combination – water	DN 50 - DN 150	2		ARI	D-040 (Nylon Body), PN16 D-040C (DI Body), PN16 D-050C NS (DI Body), PN16 D-052 NS (DI Body), PN25	Amiad Australia Pty Ltd	D-050 and D-052 series to be installed with Non-Slam (NS) device and as per ARI installation guide . For vandal prone areas use D-050-C “Vandal Proof” version.	
				CSA	Fox 3F, PN16, PN35 Fox 3F-RFP, PN16, PN35 Lynx 3F-RFP, PN16, PN35	Bermad Water Technologies	Fox 3 - Full port type Lynx 3 - Reduced port (squat-type) RFP - Standard option fitted with a rapid filling preventer	
				Ventomat	RBX, PN16 & PN25 PN25 with Flanges drilled to AS4087 PN21	Ventomat Aus Pty Ltd	Preferred by TARR valve, refer to Nexus ID#195961586	
				AVK	Series 851 PN 16-21	Iplex Pipelines Aus Pty Ltd AVK Australia		
				Bermad	C70 PN 16 & PN 35 C30-P PN16	Bermad Water Technologies		
				Dorot	DAV-MH/MS-KA PN16 DAV-MH/MS-KA- PN25 (flanges drilled to AS4087 PN21)	AVFI Pty Ltd		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.2 Air Valves for Sewage

Type	Size	Category	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Combination – sewage	DN 50 - DN 100	2	SPS 201	ARI	D-020 (DI Body) D-020S (SS316 Body) D-23 (DI Body) D-23S (SS316 Body) D-025D (DI Body) D-025S (SS Body)	Amiad Australia Pty Ltd	D-023 valve is a large orifice valve with higher potential flow rate in case of failure	
				CSA	Bermad SCF 2" Compact	Bermad Water Technologies		
					Bermad SCF 50/80	Bermad Water Technologies	Valve weight~30kg	
				Bermad	C50-N (SS316 Body) C50-C (DI Body) C50-G (SS316 + GRN) C50-J (DI+GRN)	Bermad Water Technologies	Smaller body valve with very low static sealing pressure required (~0.5m). Glass Reinforce Nylon (GRN) covered valves listed for trial. DN 100 Cast Iron Mass- 25kg.	June 2022
	DN 50 - DN 100			AVFI	ARV-3N SS316 L bodied valve	AVFI Pty Ltd	Successful trial at Mandurah Tce pumping main & Rafferty Road (Craig Hay)	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.3 Air Valves for Seawater

Type	Size	Category	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Combination - seawater	DN 80 - DN 100	2	SPS 201	Vent Master	PXD, PN16 HDPE bodied combination air valve with SS316 flange connection	PIHA Pty Ltd	Approved for trial. Used on Burrup Seawater System	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.4 Swing Check Valves

Product	Type	Size	Category	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Swing Check	Copper alloy - screwed	DN 15 - DN 100	2	SPS 220	Conti- Rubinetterie	Zetco Series 1805 PN25	Zetco Valves Pty Ltd		1/05/2025
	Stainless steel - screwed	DN 15 – DN 80	2		Zetco	Zetco Series 4055 PN35			
	Ductile iron Metal Seat	DN 80 - DN 300	2	SPS 223	Dobbie	PN16 – VSCM16 PN35 – VSCM35	Dobbie Dico Meter Co Pty Ltd The Valve Company		
		DN 350 - DN 900	1						
	Ductile Iron Resilient Seat	DN 80 - DN 300	2		Val-Matic	Series 500, PN16	HMA Flow & Industrial		
		DN 350 - DN 750	1						
		DN 80 - DN 400	2			Series 500, PN16 SDD (Soft Duro Disc)		Trial installed at Gosnells WWPS D & Ellenbrook WWPS L. PN6 disc rating low pressure use only.	June 2024
		DN 80 - DN 375	2		Karon	RSSC	Challenger Valves & Actuators	Approved for trialling No record of use	
		DN 80 - DN 250	2		HIWA	RSFC	AVFI Pty Ltd	Approved for trial – Inform Engineering where installed. NBR disc encapsulation. Wastewater use only (not AS4020 approved).	June 2024
		DN 80 - DN 300	2		AVK	Series 41	AVK Australia	EPDM option for Potable Water and NBR for sewage. 5-year Warranty, please report any failures to Engineering.	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.5 Dual Flap Check Valves

Type	Size	Category†	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Wafer - Stainless Steel 316 Body	DN 50 - DN 300	2/1	SPS 226	Stockham	Duo-chek II	Crane Australia Pty Ltd	Valves =>DN150 are Cat 1 unless like-for-like replacement. Specify flow rate, system deceleration, etc. to ensure potential water hammer is considered.	
				Cast Flow	IIIE	Flocontrol Valves & Automation	<u>Caution.</u> Bronze body have non-compliant face to face length and SS 304 spring and hinge/stop pins. Use for like-for-like replacement only	
Wafer - Stainless Steel 316/DI/Aluminium Bronze Body	DN 350 - DN 600	1		Stockham	Duo-chek II	Crane Australia Pty Ltd	Larger SS 316 valves available, subject to engineering review.	
Flanged	DN 300 - DN 600	1		Stockham	Duo-chek II	Crane Australia Pty Ltd		

Product Data Sheet links – Internal Use Only

† Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.6 Rapid Response Check Valves

Product	Type	Size	Cate gory (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance/ Reviews	Custodian / Review Date
Rapid Response	Short body	DN 300 - DN 1800	1	SPS 230	Crane	Compac-Noz	Crane Australia Pty Ltd	Valve body <= DN300 to be from corrosion resistant stainless steel PREN => 22 Threaded SS seat ring in DI body valve not permitted.	
					NoReVa	NK	Flotech Controls Pty Ltd*		
	Long body	DN 300 - DN 1800	1		Crane	Noz-Chek	Crane Australia Pty Ltd		
					MOKVELD	TKZ-Y	KOG Technologies		
					NoReVa	NB	Flotech Controls Pty Ltd*		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.7 Pressure Relief Valves – Pressure Vessel Applications

Product	Type	Size	Category (‡)y	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Pressure relief	Copper alloy – screwed	≤ DN 50	1	N/A	MACK	7E Series (Old designation 700 Series)	Mack Valves	Limited product data available	
	Copper alloy – flanged	> DN 50 - DN 100							

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.8 Pressure Relief Valves – Water Conveyance Applications

Product	Type	Size	Category (‡)y	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Pressure relief	Spring loaded	DN 50, DN 65, DN 80, DN 100, DN 150, DN 200	2	N/A	CSA	VRCA	Bermad Water Technologies	Spring selection required depending on working pressure range. Supplied ball valve and fittings shall be replaced with correctly rated and stainless-steel equivalents.	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.9 Inline (Axial) Control Valves

Product	Type	Size	Category (‡)y	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Axial Control Valves	Flow, Level (Altitude) and Pressure (PSV/PRV) Control	DN 150 - DN 1200	1	SPS 241	Polyjet	810 and 811316 (SS trim)	Mack Valves	Technical Support – Mack Valves Pty.Ltd Limited product data available	
					Mokveld	RZD-R	KOG Technologies		
					VAG	Riko (Factory Standard Materials)	Metaval Engineering Sales	DN 200 Scour Valve – factory standard materials and coatings. Scour applications only.	
					VAG	Riko	Metaval Engineering Sales		
					Erhard	RKV	Derwent Industries International Pty Ltd*		
	Cone Dispersion Valve (Free Discharge)	DN 150 - DN 3000	1	N/A	VAG		Metaval Engineering Sales	Detailed product appraisal and application analysis required for each application.	
					AVK/ Glenfield		AVK Australia		

Product Data Sheet links – Internal Use Only

‡ Internal use only - 'Category 1' Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

'Category 2' Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.10 Globe Type Control Valves & Flow Restricting Devices

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Globe Valves Pilot operated	Pilot operated -Flow, Level (Altitude), Pressure Reducing, Pressure Sustaining & Surge Control	DN 50 - DN 300	2 (DN 40- DN 150)	SPS 240	MACK	13112A Series	Mack Valves	Limited product data available Refer performance correspondence.	
		DN 40 - DN 600	1 (DN 200-DN 800)		Dorot	Series 300 Model 30 & 31	Amiad Australia Pty Ltd		
		Bermad			700 & 800 Series	Bermad Water Technologies Watering Concepts			
		CLA-VAL			Models 100-01 , -02 , -03 , 100-04 (full port) 600 Series (reduced port)	Challenger Valves & Actuators	Refer performance correspondence.		
		Singer			Model 106/206 PR	Hygrade Water	HOLD - Performance Correspondence		
Flow Restricting Device	Orifice Flow Restrictor Screwed, Wafer or Insert type	DN 25 - DN 300	2	N/A	Maric	Select pressure rating and connection type according to application.	Maric Flow Control * Braeco Sales Flocontrol Valves & Automation	Caution- Noise attenuation may be required Minimum pressure loss ~10m, not for general pumped pressure sustaining use. Stainless steel 316 options for pressure difference above 1000kPa and up to 2000kPa.	

Product Data Sheet links – Internal Use Only

‡ Internal use only - 'Category 1' Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

'Category 2' Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.11 Vacuum Interface Valves, Vacuum Isolation Valve

Type	Size	Category	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Vacuum Interface Valves	DN 50	2	N/A	Airvac	AV 2000	Airvac Australia*	50mm valve - Special applications only. E.g. vacuum pump station sump.	
	DN 80	2	SPS 245	Flovac	FV 80	Flovac Vacuum Sewerage Systems (Pty) Ltd*		
	DN 80	2	SPS 245	Airvac	AV3	Airvac Australia*		
Vacuum Isolation Valve	DN 80, DN100	2	N/A	Ozvalves	Pushpull valve	Ozvalves	Malaga, Perth Confirm Size – Standard drawing is DN80	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.12 Valves & Fittings for Chemical Dosing Systems

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Various Valves, Fittings, Actuators, Brackets, and Accessories etc.	All	All	2	N/A	Georg Fischer (only use GF actuators- where required)	Various	Viadux Pty Ltd	Valves, actuators, pipe fittings and accessories for chemical systems shall be: 1. Supplied where possible from the one of the authorised makes listed 2. Suited for the chemical, concentration, pressure, frequency of operation and environmental conditions 3. Procured where practical on a single supplier system per site or project basis.	
					Stubbe (only use Valpes actuators- where required)		Braeco Sales		
					Asahi (use Asahi or Burkert actuators- where required) (see note 4.)		Fusion Piping		
					Hayward (only use EAU and ECP Series actuators)		Hayward		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

Notes

1. Specifier to inform the supplier of: type, concentration, pressure, temperature and flow rate of chemical / solution being conveyed
2. Vented ball valves for Hypochlorite solutions shall be drilled on the upstream side, by the manufacturer or supplier in accordance with manufacturer’s quality plan.
3. A Production leak test at 1.1 times AOP shall be carried out on each valve for drip tight sealing. Valves shall be marked with permissible flow direction.
4. Only Asahi Series 19, GF, Burkert and Valpes Actuators are approved for use.

TABLE C Mechanical Products – Valves

7.13 Valves & Fittings for Chemical Dosing Systems

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Drain Valve for Chemical Bund	All	All	2	N/A	Asahi	Type 57 (brochure)	Fusion Piping	<p>Valves, actuators, pipe fittings and accessories for chemical systems shall be:</p> <p>1. Supplied where possible from the one of the authorised makes listed</p> <p>2. Suited for the chemical, concentration, pressure, frequency of operation and environmental conditions</p> <p>3. Procured where practical on a single supplier system per site or project basis.</p>	

Product Data Sheet links – Internal Use Only

‡ Internal use only - 'Category 1' Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
'Category 2' Valves may, subject to appropriate technical consideration, be purchased directly

Notes

1. Specifier to inform the supplier of: type, concentration, pressure, temperature and flow rate of chemical / solution being conveyed
2. A Production leak test at 1.1 times AOP shall be carried out on each valve for drip tight sealing. Valves shall be marked with permissible flow direction.

TABLE C Mechanical Products – Valves

7.14 Ball Valves – Mains Tapping

Product	Type	Size	Cate gory (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Ball – 2 Way (metal unless otherwise shown	Mains Tapping Ball Valves (Hot Tapping)	DN 20 - DN 25	2	SPS 251	Effebi	Zetco Series 1096	Zetco Valves Pty Ltd	See note 1.	1/05/2026
					Zetco	Zetco Series 3096	Zetco Valves Pty Ltd		
					Logi	WBMBWA Series	Austworld Pty Ltd	See note 1.	1/05/2026
	Mains Tapping Ball Valves (Dry Tapping only)*				Effebi	Zetco Series 1238	Zetco Valves Pty Ltd	See note 1.	1/05/2026
					Zetco	Zetco Series 3406	Zetco Valves Pty Ltd		
					Strongcast	Model C8423	Strongcast Pty Ltd	See note 1.	1/05/2026
					Logi	WPEMWA Series	Austworld Pty Ltd	See note 1.	1/05/2026

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Mains Tapping Valves with male threaded inlet and compression fitting outlet suitable for connecting to PE piping (for dry tapping only).

Notes:

1. After 1/05/2026 are not authorised for installation in a plumbing system used to convey drinking water

TABLE C Mechanical Products – Valves

7.15 Ball Valves – General Purpose

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Ball – 2 Way	General Purpose (GP)- Copper Alloy Body	DN 15 - DN 50	2	SPS 252	Effebi	Zetco Series 1094	Zetco Valves Pty Ltd Stockbrands Co. Pty Ltd Iplex Pipelines Aus Pty Ltd Viadux Pty Ltd		
		DN 15 - DN 50	2	SPS 252	Logi	WFSS Series	Austworld Pty Ltd		
	General Purpose Ball Valves – Stainless Steel Body	DN 15 - DN 50	2	SPS 252	Zetco	Zetco Series 4494	Zetco Valves Pvt. Ltd		
		DN 15 - DN 50	2	SPS 252	Swagelok	60 Series (3 Piece BV)	Swagelok Western Australia*	SS 316 bodied ball valves with SS316 Lever handle and nut. Not Appraised.	
					Yzng Trong	V-2Bs (2 Piece BV) V-3As (3 Piece BV)	Braeco Sales		
					XXC	RV2 (2 Piece BV) RV3 (3 Piece BV)	Challenger Valves & Actuators		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.16 End of Line Flushing Valves

Product	Type	Size	Category (‡)y	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Globe Valve	Copper Alloy Body	DN 50,	2	N/A	Zetco	Series 2019	Zetco Pty Ltd	PN 25 After 1/05/2026 are not authorised for installation in a plumbing system used to convey drinking water	1/05/2026

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly.

Note - End of Line Flushing Valves are primarily used at end of line location in retic systems to permit flushing.

TABLE C Mechanical Products – Valves

7.17 Meter Ball Valves

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Ball – 2 Way (metal unless otherwise shown (Contd.)	Right angle meter service	DN 20 - DN 25 F&F	2	SPS 254	Effebi	Zetco Series 1248	Zetco Valves Pty Ltd	See note 1.	1/05/2026
					Zetco	Zetco Series 3248	Zetco Valves Pty Ltd		
					Logi	WRAFWA Series	Austworld Pty Ltd	See note 1.	1/05/2026
					Maxiflo/app Flo	VBBDA20	AAP Industries*	See note 1.	1/05/2026
		DN 20 F&F			Strongcast	R8421	Strongcast Pty Ltd	See note 1.	1/05/2026
	Inline meter service	DN 20 - DN 25 M&F			Effebi	Zetco Series 1096	Zetco Valves Pty Ltd	See note 1.	1/05/2026
		DN 20 - DN 25 M&F			Logi	WMBBWA Series	Austworld Pty Ltd	See note 1.	1/05/2026

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

Notes:

1. After 1/05/2026 are not authorised for installation in a plumbing system used to convey drinking water

TABLE C Mechanical Products – Valves

7.18 Copper Alloy Gate Valves

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Gate - Copper Alloy	Screwed	DN 15 - DN 50	2	SPS 255	Tour & Anderson	Series 1703	Zetco Valves Pty Ltd	See note 1.	1/05/2025
		DN 15 - DN 100	2		Conti Rubinetterie	Zetco Series 1706	Zetco Valves Pty Ltd	See note 1.	1/05/2025
		DN 15 - DN 100	2		Logi	GV15-GV100	Austworld Pty Ltd	See note 1.	1/05/2025

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

Notes:

1. After 1/05/2026 are not authorised for installation in a plumbing system used to convey drinking water

TABLE C Mechanical Products – Valves

7.19 Knife Gate Valves

Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Standard Service – Non Bonneted PN10	DN 50 - DN 600	2	SPS 259	Keystone	Figure 952 (All stainless steel)	Emerson Automation Solutions		
				VAAS (or Bray)	740	Bray Controls Pacific Pty Ltd*		
				Stafsjo	WB14-E	Ebro Armaturen Pacific Pty Ltd		
	DN 50 - DN 250			AVFI	KGV-UHD-WCSS	AVFI Pty Ltd		
	DN 50 - DN 900			Orbinox	BT	AVK Australia	Full appraisal of product required	
Standard Service – Non-bonneted PN6	DN 750 - DN 900	1	SPS 259	Keystone	Figure 952	Emerson Automation Solutions		
				VAAS (or Bray)	740	Bray Controls Pacific Pty Ltd*	Approved for trial	
Standard Service – Non-bonneted PN7	DN 300 - DN 450	2		AVFI	KGV-UHD-WCSS	AVFI Pty Ltd		
Standard or Corrosive Service – Fully bonneted PN10	DN 100 - DN 500	2	SPS 259	VAAS (or Bray)	987L	Bray Controls Pacific Pty Ltd*	These valves are heavy and strength of supporting pipe to be considered	
Fully bonneted Corrosive Service for Gravity Sewer Application only	DN 100 - DN 600	2	SPS 259	Stafsjo	WB14-E	Ebro Armaturen Pacific Pty Ltd	Caution: Bonnet Pressure Rating 1 Bar Only.	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.20 Butterfly Valves – Wafer & Lugged Type

Type	Size	Category ‡	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Wafer (PN16 Only)	DN 50 - DN 300	2	SPS 260	Bray	Series 30	Bray Controls Pacific (Pty) Ltd		
				Keystone	GRW (D12E AD FBE)	Emerson Automation Solutions		
				Wouter Witzel	EVBS	AVK Australia		
				DIMAX	Series 2302	Reece Australia Pty Ltd	Recently included and approved for use. Feedback sought, verification required.	
				Challenger	Series BFWE	Challenger Valves & Actuators		
	DN50 – DN400			AVK	Series 76	AVK Australia		
	DN50 - DN600			Ebro	Z011-A	Ebro Armaturen Pacific Pty Ltd		
				Value Valves	VF-730	Braeco Sales		
Lugged (PN16 Only)	DN 50 - DN 300			DIMAX	Series 2502	Reece Australia Pty Ltd	Recently included and approved for use. Feedback sought, verification required.	
	DN 50 - DN 600			AVK	Series 76	AVK Australia		
				Wouter Witzel	EVTLS	AVK Australia		
				Challenger	Series BFLE	Challenger Valves & Actuators		
				Ebro	Z014-A	Ebro Armaturen Pacific Pty Ltd		
				Value Valves	VF-733	Braeco Sales		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.21 Butterfly Valves- Double Flanged Seal On Body

Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Supplier Product Limitations/ Outstanding Performance Reviews	Review Date
Double Flanged, Seal on body, PN 16	DN 100 - DN 1050	All Type A Butterfly Valves ≤DN600 are Cat 2	SPS 261	Keystone	F631-16	Emerson Automation Solutions		
	DN 80 - DN 500			AVK	Series 813	Iplex Pipelines Aus Pty Ltd		
	DN 100 - DN 2000			Ebro	F012A	Ebro Armaturen Pacific Pty Ltd		
	DN 50 - DN 1200			Wouter Witzel	Series 75 (EVFS)	AVK Australia	Details of gearbox and drive train for buried service applications are to be appraised and agreed	
Double Flanged, Seal on body, PN 21	DN 300 - DN 600	All Butterfly valves except Type A ≤DN600 are Cat 1		Keystone	F631-21	Emerson Automation Solutions	Caution -Face to Face dimensions are not to AS4795.2 (shorter). Use restricted to replacements or where space is restricted	
	DN 100 - DN 1400			Ebro	F012A	Ebro Armaturen Pacific Pty Ltd		
	DN 50 - DN 1200			Wouter Witzel	Series 75 (EVFS)	AVK Australia	Details of gearbox and drive train for buried service applications are to be appraised and agreed	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

Note – PN21 valves may be PN25 rated with flanges drilled to AS4087 PN21

TABLE C Mechanical Products – Valves

7.22 Butterfly Valves - Double Flanged Seal-On-Body

Type	Size	Category (#)	SPS No	Make	Model	Supplier	Supplier Product Limitations/ Outstanding Performance Reviews	Review Date
Double Flanged, Seal on body, PN 25 (flanged to EN 1092)	DN 100 - DN 1400			Ebro	F012A	Ebro Armaturen Pacific Pty Ltd		
	DN 500 - DN 1200			Wouter Witzel	Series 75 (EVFS)	AVK Australia	Details of gearbox and drive train for buried service applications are to be appraised and agreed	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.23 High Performance & Dam Guard Butterfly Valves

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
High Performance Butterfly Valves Double Flanged (Seal on disc)	Double Eccentric, Stainless Steel Disc	DN 300 - DN 2000	1	SPS 262	Erhard	ROCO Wave (Previously EAK)	Derwent Industries International Pty Ltd*	Quotations may be sought but full re-appraisal required.	
					VAG	EKN	Metaval Consolidated Pty Ltd		
					OZKAN	AVH7.1	Flocontrol Valves & Automation (Hygrade Water – distributor)	Installed in Ravenswood PS	
					DVD	KVN	Ebro Armaturen Pacific Pty Ltd		
Butterfly Guard Valves (Double flanged seal on disc)	Butterfly valves for extreme velocity applications/ (Dam guard valves)	DN 300 - DN 2000	1	SPS 263	Erhard	ROCO Wave	Derwent Industries International Pty Ltd*	Detailed product appraisal and application analysis required for each valve purchased. Valve design will depend on maximum fluid velocity. Specification includes counterweight and hydraulic control system details.	
					VAG		Metaval Consolidated Pty Ltd		

Product Data Sheet links – Internal Use Only

‡ Internal use only - 'Category 1' Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

'Category 2' Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Gearboxes

7.24 Gearboxes

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Quarter-turn	Worm gearboxes	N/A	2	N/A	Auma	GS 50.3 – GS 250.3 GS 315 – GS 500	Auma	Gearboxes for above ground valves shall have a rating of IP67 or higher. Gearboxes for buried service valves and those mounted in below ground pits shall have a rating of IP68 based on possible submergence of 1.5m.	
					Rotork	IW MklI listed in Nexus ID#185661468 models/sizes only	Rotork		
					TMG Korea	AG-W Series listed in Nexus ID#193612902 models/sizes only	Acrodyne		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.25 Metal Seated Gate Valves

Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Double Flanged PN16	DN 80 - DN 500	2	SPS 271	Dobbie	VGM16	Dobbie Dico Meter Co Pty Ltd		
	DN 600 - DN 1800	1						
	DN 300 - DN 500	2		John Valves	FIG 600	John Valves Pty Ltd	New to SPR. Verification feedback required. Refer to Nexus ID#183715358	
	DN 600	1			FIG 600		Refer to Nexus ID#174291347	
Double Flanged with Integral Bypass PN16	DN 450 DN500 DN600 DN700 DN750 DN900	1		Dobbie	VGM16 (Integral Bypass)	Dobbie Dico Meter Co Pty Ltd	Integral bypass valve eliminates the need for separate bypass pipework. ~ 15% higher cost than standard valve, but this includes integral bypass valve and bends. Note DN450 is also available	
Double Flanged - PN35	DN 80 - DN 500	2		Dobbie	VGM35	Dobbie Dico Meter Co Pty Ltd.		
	DN 600 - DN 900	1						
Double Flanged with Integral Bypass PN35	DN450 DN500 DN600 DN700 DN750 DN900	1		Dobbie	VGM35 (Integral Bypass)	Dobbie Dico Meter Co Pty Ltd	Integral bypass valve eliminates the need for separate bypass pipework. ~ 15% higher cost than standard valve, but this includes integral bypass valve and bends. Note DN450 is also available	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

Note - In smaller sizes and benign service (moderate differential pressure, non- throttling, etc). Resilient Seated Valves may be selected at lower cost.

TABLE C Mechanical Products – Valves

7.26 Resilient Seated Gate Valves - Double Flanged PN16

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Resilient Seated Gate Valves	Double Flanged PN16	DN 80 - DN 600	2	SPS 272	AVK	Series 570/90 (key cap)	Iplex Pipelines Aus Pty Ltd. AVK Australia	AVK Series 570 & Sureflow Auslite III are PN16 reduced weight gate valves *Water Corporation to review potential size limitation	
		DN700 – DN750	1			Series 570/92 (Gearbox Mount) (DN80 - DN400) Series 570/92 (Gearbox Mount) (DN450 - DN750) Series 570/98 (Handwheel)			
		DN 80 - DN 400	2		Sureflow	Series 2570/90	Viadux Pty Ltd	Key cap, Handwheel & gearbox operation options available *Water Corporation to review potential size limitation	
		DN 450 - DN 600	2		Sureflow	Series 2570/92	Viadux Pty Ltd		
		DN 80 - DN 600	2		Karon	RSGVA	Challenger Valves & Actuators		
		DN 700 - DN 750	1						

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

TABLE C Mechanical Products – Valves

7.27 Resilient Seated Gate Valves Double Flanged PN16 (Contd.)

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Resilient Seated Gate Valves	Double Flanged PN16	DN 80 - DN 600	2	SPS 272	Derwent	VFF	Derwent Industries International Pty Ltd*	Key cap, Handwheel & gearbox operation options available	
		DN 50 - DN 300	2		Hawle	E3	Hygrade Water * Emerson Automation Solutions		
		DN 100 - DN 400	2		Dobbie	VGR16FB1	Dobbie Dico Meter Co Pty Ltd		
		DN 80 - DN 600	2		AVFI	RSGV-AS	AVFI Pty Ltd		
		DN 80 - DN 600	2		Betta	VGFF	Clover Pipelines Pty Ltd*		
		DN 80 - DN 600	2		DIMAX	3250R	Reece Australia Pty Ltd*		
		DN 80 – DN 300	2		Challenger	GVR2	Challenger Valves & Actuators		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.28 Resilient Seated Gate Valves – Double Socket Ends PN16

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Resilient Seated Gate Valves	Double Socketed PN16	DN 80 - DN 375	2	SPS 272	AVK	Series 570/50	Iplex Pipelines Aus Pty Ltd AVK Australia	PN16 reduced weight gate valves	
		DN 100 - DN 150	2		Sureflow	Series 2570/50	Viadux Pty Ltd		
		DN 100 - DN 375	2		Sureflow	Figure 500	Viadux Pty Ltd		
		DN 100 - DN 400	2		Dobbie	VGR16SB1	Dobbie Dico Meter Co Pty Ltd		
		DN 100 - DN 200	2		Hawle	E2	Hygrade Water Emerson Automation Solutions		
		DN 100 - DN 375	2		Betta	VGSS	Clover Pipelines Pty Ltd*		
		DN 100 - DN 150	2		DIMAX	3950R	Reece Australia Pty Ltd*		
		DN 100 - DN 150	2		Karon	RVSOC	Challenger Valves & Actuators		
		DN 80 - DN 300	2		Derwent	VSOSO	Derwent International Pty Ltd*		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.29 Resilient Seated Gate Valves – Double Spigotted & Flange & Socketed Ends PN16

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Resilient Seated Gate Valves	Double Spigotted PN16	DN 80 - DN300	2	SPS 272	Derwent	VSS	Derwent International Pty Ltd*	Not for new works, repair use only. Anchor block or restrained coupling required.	
		DN 80 - DN 300	2		Sureflow	Series 2570/60	Viadux Pty Ltd		
		DN 80 - DN 300	2		AVK	Series 570/60	Iplex Pipelines Aus Pty Ltd AVK Australia		
		DN 100 - DN 150	2		Betta	VGPP	Clover Pipelines Pty Ltd*		
		DN 100 - DN 150	2		DIMAX	3050R	Reece Australia Pty Ltd*		
Resilient Seated Gate Valves	Flange & Socketed PN16	DN 80 - DN 150	2	SPS 272	AVK	Series 570/70	Iplex Pipelines Aus Pty Ltd AVK Australia	PN16 reduced weight gate valves	
		DN 80 - DN 300	2		Sureflow	Series 2570/70	Viadux Pty Ltd		
		DN 80 - DN 300	2		Derwent	VFSOC	Derwent International Pty Ltd*		
		DN 100 - DN 150	2		Betta	VGSF	Clover Pipelines Pty Ltd*		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).

‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.30 Resilient Seated Gate Valves – Flanged Ends – PN25

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Resilient Seated Gate Valves	Double Flanged PN25	DN 80 - DN 300	2	SPS 272	AVK	Series 57/80 Series 57/82	Iplex Pipelines Aus Pty Ltd AVK Australia 57/80- Key Cap option 57/82- Gear box mount with F10 Flanges	Flanges to AS4331 (PN25) Drilled to AS2129 Table F (PN21)	
					DIMAX	3252R	Reece Australia Pty Ltd*	Drilled to AS2129 Table F (PN 21)	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.31 Gate Valve – Under Pressure Install Resilient Seated Gate Valve – PN16

Product	Type	Size	Category	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Innovative Line Pressure Install Gate Valve	-	DN100 - DN250	1	272		S-Gate Valve	Saltire Infrastructure Pty Ltd (WA authorised installer - <i>Valves and Hydrants</i> Panel) (Imported by CNS Engineering Australia)	Refer Limitations Below Installed in Port Hedland (contact is Aaron Ducas)	31/12/2023

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

Guidance and Limitations on Supply and Use

The *S- Gate Valve* is an innovative Under Pressure Install Gate Valve, which can be installed to provide isolation of a water or Sewage main without interrupting service. The valve has received WSAA appraisal and was assessed as compliant with AS2638 Gate Valves for waterworks purposes (bonnet, spindle, gate), AS4020 (drinking water compliance) and AS4181 (Repair and Offtake Clamps).

The S-Gate Valve shall only be installed by an authorised installer who has the required equipment training and experience in its use and has a service agreement Corporation’s *Valves and Hydrants* panel.

As long-term performance and reliability is not yet proven, the S-Gate valve should only be used where significant customer, cost or environmental impacts are mitigated by avoiding a shutdown.

The *S-Gate Valve* does not provide ‘end-of-line’ capability and a minimum of 9m of buried continuous pipe in undisturbed ground is required, to provide axial restraint, prior to a cut in. Alternatively, a suitable valve anchor block, against firm ground, is required.

The valve also requires greater cover than a conventional valve, for example a DN250 S-Gate spindle cap is 638mm above the pipe compared to ~500mm for a conventional valve. Valves shall be supplied with ‘anti-clockwise closing’ operation.

Valves are thought to be compatible with the following pipes commonly used in Western Australia: <https://nexus.watercorporation.com.au/otcs/cs.exe/app/nodes/133543324>

TABLE C Mechanical Products – Valves

7.32 Diaphragm Valves, Plug Valves, Hydrants & Penstocks

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Diaphragm Valves	Straight-through	DN 15 - DN 200	2	N/A	Saunders	KB type	Crane Australia Pty Ltd		
	Weir	DN 15 - DN 200	2	N/A	Saunders	A type	Crane Australia Pty Ltd		
Plug Valves	Eccentric	DN 100 - DN 900	1	N/A	DeZurik	PEC	The Valve Company	Not appraised to any SPS	
		DN 65 - DN 300	2	N/A	AVK	Series 764	AVK Australia	Where used for continuous throttling control, valves should be =>20% open. Install AVK make horizontally to prevent damage from suspended solids (refer to IOM). Dezurik: all applications AVK: water and sewage (excluding sludge and grit)	
Hydrant	Screw down with loose jumper valve (refer drawing BD22-1-1)	DN 100 with 80mm nominal bore	2	SPS 292	AVK Australia	Series 29/088	Iplex Pipelines Aus Pty Ltd AVK Australia		
					Dobbie	UHV16	Dobbie Dico Meter Co. (WA) Pty Ltd		
					Sureflow	WA Style hydrant isolator	Viadux Pty Ltd		
					Betta	80BFH41X1-16Q-WA	Clover Pipelines Pty Ltd*		
Penstocks	Stainless Steel	Size is job specific	1	SPS 295	AWMA	Various	AWMA Pty Ltd*	Custom build to order	
					AWE		Australian Water Engineers*	Installed in Beenyp WWTP Tank 18	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

TABLE C Mechanical Products – Valves

7.33 Valves & Fittings for Instrumentation & Control (Tubing/Piping) Systems

Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Various valves (Ball, needle, check, single block & bleed, double block and bleed valves) and fittings made of Stainless Steel and Copper—with metric /imperial compression or Screw (ISO/NPT) end connections	2-50mm	2 Note	N/A	Swagelock	Various	Swagelock Western Australia *	Various valves, fittings and accessories for instrumentation shall be: 1. Supplied from one of the authorised makes listed 2. Suited for the fluid, concentration, pressure, frequency of operation and environmental conditions 3. Procured where practical on a single supplier system, per site or project basis.	
	2-14mm			AT&D	Various	AT&D Valves Australia*		
Stainless Steel Tubes & Fittings	Various	2	N/A	Hoke Gyrolock		Prochem Pipeline Products	Suitable for use in outdoor applications that require SS tubes and fitting for compression or screw end connections (e.g. diesel fuel lines)	

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Internal use only- Supplier is not commercially prequalified

Note - The user shall specify the materials of construction (Stainless Steel, Copper,) and the end connections [Screw to ISO /NPT or Compression to imperial/metric] to suit the piping/tubing system.

TABLE C Mechanical Products – Valves

7.34 Valves for Booster Pump Stations*

Product	Type	Size	Category (‡)	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Isolating Valves – Ball	316SS 2 PCS (40 BAR)	≤ DN50	2		Zetco	Series 4400	Zetco	Watermark Valve	
Isolating Valves – Butterfly	Lugged, epoxy coated, 316 S/S shaft and disc PN16	DN65 – DN100	2		Dura	HVAC-R	Reece Australia	Watermark Valve	
Isolating Valves – Butterfly	316 S/S shaft and disc (16 BAR max)	DN125	2		ARI-ZESA	ARI-ZESA	ARI-ZESA	Use SPS 260 Lugged Wafer valves for manifold isolation.	
Non Return Valves	GNVP POM (polyoxymeth ylene, 16 BAR max)	DN32- DN40	2		Grundfos	Grundfos NRV- GNVP (Page 3-4)	Grundfos Pumps Pty Ltd	Preferred, generally better Kv than Socla and Gestra. Refer: https://nexus.watercorporation.com.au/otcs/cs.exe/link/142513280 Use Duocheck Valves for =>DN80	
Non Return Valves	316SS (40 BAR)	DN50- DN100	2		Socla	812XL	Socla		
Non Return Valves	316SS (40 BAR)	DN100	2		Gestra	RK86-RK86A	Gestra AG		

Product Data Sheet links – Internal Use Only

‡ Internal use only - ‘Category 1’ Valves require engineering technical input and SPS Appendix information to be specified prior to purchase. Refer to [Nexus ID#87464573](#).
‘Category 2’ Valves may, subject to appropriate technical consideration, be purchased directly

* Ball, Butterfly and Non-Return valves listed generally in the SPR may also be used for Booster Pump Stations

TABLE C Mechanical Products – Pumps

7.35 Pumps - End Suction Centrifugal

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Custodian / Review date
ISO End Suction Centrifugal Pumps	Minor PS	SPS 500	Grundfos	NKG	Grundfos Pumps Pty Ltd	Re-appraisals required. End suction pumps to be made from corrosion resistant materials, refer SPS 500	
			Southern Cross	Sovereign ISO-PRO	Pentair Water Australia Pty Ltd		
			Stalker Pumps	ISO 2858 (dc) Series	Stalker Pumps		
			Sulzer	AHLSTAR LC	Sulzer Australia Pty Ltd		
			KSB	MCPK	KSB Australia Pty Ltd		
End Suction Centrifugal Motor Pumps (Close Coupled)	Minor PS	SPS 501	Southern Cross	Star-Line	Pentair Water Australia Pty Ltd		
			Stalker Pumps	ISO 2858 (cc) Series	Stalker Pumps		
			Sulzer	AHLSTAR CC (Close Coupled)	Sulzer Australia Pty Ltd		

Product Data Sheet links – Internal Use Only

TABLE C Mechanical Products – Pumps

7.36 Pumps - Vertical Multistage Centrifugal

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Vertical Multistage Electric	Minor PS	SPS 506	Grundfos	CRN	Grundfos Pumps Pty Ltd		
			Grundfos	CRN-E	Grundfos Pumps Pty Ltd	Integral VSD Motor – Preferred for Standard Booster Pump Stations	
			Southern Cross	PVM(X)	Pentair Water Australia Pty Ltd		
			Lowara	E-SV Range N Series	Xylem Water Solutions Australia Ltd		
			KSB	Movitec VSF	KSB Australia Pty Ltd		

Product Data Sheet links – Internal Use Only

TABLE C Mechanical Products – Pumps

7.37 Pumps - Submersible Borehole

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Custodian / Review Date
Submersible electric borehole ^{Note 1}	Minor/ Major	SPS 507	Wilo pump and motor	EMU D / SCH / K / KM / DCH Actun ZETOS-K , Sub TWI	Wilo Australia Pty Ltd		
			Grundfos pump and motor	SP (N Series)	Grundfos Pumps Pty Ltd	Pumps with the suffix N are required, motors with suffix R or N are required.	
			Pleuger pump and motor	NE, NB, QN, NN, PN Series pumps; M, Mi VNi and VN Series motors	Pump Supplies Australia Pty Ltd		
			Southern Cross pump	NA Series	Pentair Water Australia Pty Ltd		
			Dynapump pump	Flow-Max	Dynapump		
			REDA pump and motor	Series N, P	Schlumberger Oilfield Australia Pty Ltd		
			Stalker	Vertical series - standard & heavy duty	Stalker Pumps		
			KSB	UPA	KSB Australia Pty Ltd		
			Caprari	E6SX, E8PX, E10PX, E12PX	Caprari Pumps Australia Pty Ltd		
Line shaft borehole ^{Note 1}	Minor PS	N/A	Southern Cross	LA Series	Pentair Water Australia Pty Ltd		

Product Data Sheet links – Internal Use Only

Note

1. Corporation line shaft turbine pumps are generally engine driven but may be electric motor driven.
2. Minimum casing diameter dependant on size of electrical cable. Consult manufacturer before purchase.

TABLE C Mechanical Products – Pumps

7.38 Borepump - flexible riser column

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Custodian / Review Date
Flexible Riser Pipes, Fittings & Accessories <small>Note 2</small>	ID=51-152mm	N/A	Angus Wellmaster	Wellmaster 250	Grundfos Pumps Pty Ltd Pentair Water Australia Pty Ltd Keto Pumps	Max. Operating Pressure of 250m Minimum casing diameter ~1.5 x nominal hose size	
	ID=40-250mm	N/A	Flexibore 250	Flexibore 250	Crusader Hose Pty Ltd	Max. operating Pressure of 37 bar & installation depth of 250m (dependent on pipe size) Minimum casing diameter ~1.5 x nominal hose size	
	ID=32-203mm	N/A	TIPSA	Oroflex Well	Maze Industrial	Max. Operating Pressure 35 bar & installation depth of 260m (dependent on pipe size) Minimum casing diameter ~2 x nominal hose size (dependent on pipe size).	
	ID=50-150mm	N/A	Kalpumps	Kalflex	Kalpumps Pty Ltd	Max. Operating Pressure 35 bar & installation depth of 260m (dependent on pipe size) Minimum casing diameter ~2 x nominal hose size (dependent on pipe size).	

Product Data Sheet links – Internal Use Only

Note

1. Corporation line shaft turbine pumps are generally engine driven but may be electric motor driven.
2. Consult manufacturer before riser sizing.

TABLE C Mechanical Products – Pumps

7.39 Axially Split Casing Pumps

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Axially Split Casing Pumps	Minor/ Major PS	SPS 515	KSB	RDLO	KSB Australia Pty Ltd		
			KSB	Omega	KSB Australia Pty Ltd	Installed in Picton WTP Clearwater PS	
			Sulzer	Scanpump Z22	Sulzer Australia Pty Ltd		
			Sulzer	SMD	Sulzer Australia Pty Ltd		
			Torishima		AFH	Full appraisal required as part of any tender process	
			Clyde Pumps	Uniglide	Celeros Flow Technologies	Supplier Activity Unknown	
			Thompsons, Kelly & Lewis	Super Titan	Flowserve Pty Ltd		
			Additional suppliers/products to be investigated and appraised as part of next major pump station project.				

Product Data Sheet links – Internal Use Only

TABLE C Mechanical Products – Pumps

7.40 Centrifugal Sewage Pumps

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Pre-frontal screw	Minor/ Major PS	N/A	Hidrostal	Long and close-coupled non-immersible models	Hidrostal Australia Pty Ltd		
Submersible sewage	Minor/ Major PS	SPS 503	Flygt	3045/3057, 3000 & N3000 Series	Xylem Water Solutions Australia Ltd	Open (vortex) are preferred and may be selected for small pumps where suited to required duty (low head applications). Semi-open impeller, generally preferred (rag performance) for all other sewage pump types. Dispensation required for channel impeller selection.	
			Grundfos	S1, S2, S3, S4	Grundfos Pumps Pty Ltd		
			KSB	Amarex KRT (Dmax and F-Max D impeller)	KSB Australia Pty Ltd		
			Hidrostal	Series B, C, D, E & F (Material code 3 with RL03 Impeller and Hidrohard Liner)	Hidrostal Australia Pty Ltd	Check suction clearance! (suction longer than other pumps) Standard supply is Mat.3 combination: 1.4122 stainless steel impeller and HidroHard high chrome DIN liner material.	
Submersible Sewage pump discharge bend	All sizes		Flygt		Xylem Water Solutions Australia Ltd	Refer SPS 503 Appendix C	
Submersible drainage	Minor	N/A	Flygt	BIBO	Xylem Water Solutions Australia Ltd		
			Grundfos	AP (renamed Unilift)	Grundfos Pumps Pty Ltd		

Product Data Sheet links – Internal Use Only

TABLE C Mechanical Products – Pumps

7.41 Non-Immersible Sewage or Sludge Pumps

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Sewage Pump WTP Applications (Dry well applications only)	Minor/ Major PS	N/A	KSB	Sewatec	KSB Australia Pty Ltd	Suitable for sludge pumping applications not requiring immersible motors. Available in close coupled & long coupled configuration. Suitable for horizontal or vertical installation. Pumps are fitted with standard squirrel cage motors. Different types of impellers are available for handling sewage or sludge in WWTP applications	Used at Albany WWTP with positive feedback. Installed at Gnarabup WWTP Geoff Dunstan Follow up Jun 2022
			Hidrostal	Range Size B.C.D.E.F.I.L.M	Hidrostal Australia Pty Ltd.	Suitable for sludge pumping applications not requiring immersible motors. Available in close coupled & long coupled configuration. Suitable for horizontal or vertical installation. Closed coupled pumps are designed for fitment with standard squirrel cage flange mount motors. Pumps are fitted with Screw type impellers suitable for handling sewage or sludge in WWTP applications	Woodman Point WWTP – Digester Mixing Pump Alkimos WWTP RAS Pumps Beenyup WWTP-EAS &RAS Pumps

Product Data Sheet links – Internal Use Only

TABLE C Mechanical Products – Pumps

7.42 Rotary Displacement Pumps

Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Progressive Cavity Pedestal	Minor	SPS 525	Allweiler AG	Series ADBP, ANBP	Pump Power		
				Series TF, AEB, AE			
			Bornemann	EH, EL	ITT Blakers		
			Mono	Industrial E, Compact C Range & EzStrip , Widethroat W, LF	NOV Australia Pty Ltd.	Use of EzStrip is available up to 165m ³ /hr & 12bar pressure. Model LF for chemical dosing applications	
			Seepex	Group N, T	Seepex Australia Pty Ltd.		
			Netzsch	NEMO BY/SY	Netzsch Australia Pty Ltd		
			Roto	RLCZ631R2CD1P SPS RMAZ602J7CF1P SPS	Roto Pumps Australia		
Rotary Lobe Pumps		N/A	Boerger	FL 776	Dynapumps	Trial use since 2016 Mandurah Vacuum Pump Station	June 2023

Product Data Sheet links – Internal Use Only

TABLE C Mechanical Products – Pumps

7.43 Chemical Dosing (Diaphragm Type) Pumps

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Digital Dosing Pump	SMART Pump	Minor	N/A	Grundfos	DDA* , DDI , DDC , DME , DDE (not approved for FSA applications)	Grundfos Pumps Pty Ltd	DDA/DDI models with the additional FCM module shall be selected as standard. Models without the additional functionality can be used on a project specific basis with agreement from the Water Corp treatment team. *DDA pumps used on FSA applications shall not use standard ceramic sensor materials. Sapphire sensors to be specified by the design engineer. *DDA has auto de-aeration feature. Review based on pumps installed at Carabooda Tank.	
				Iwaki	IX	Pump N seal Australia		
Mechanical Diaphragm	Loss-motion (Refer Notes given below)	Minor	N/A	Grundfos	DMX221 , DMX226	Grundfos Pumps Pty Ltd		
				Iwaki	LK	Pump N seal Australia		
				Prominent	Sigma	Prominent Fluid Controls Pty Ltd.		
	Full movement (Refer Notes given below)	Minor	N/A	Wallace & Tiernan	Encore 700	Trility (formerly Hydramet Pty Ltd)		
Hydraulic Diaphragm	Loss-motion (Refer Notes given below)	Minor	N/A	Grundfos	DMH 251-257	Grundfos Pumps Pty Ltd		
	Full movement (Refer Notes given below)	Minor	N/A	Iwaki	AX	Pump N seal Australia		
Solenoid Diaphragm Pump	Pedestal Type (Refer Notes given below)	Minor	N/A	Pulsatron	Series A , E , MP	Trility (formerly Hydramet Pty Ltd)		
				Iwaki	E series	Pump N seal Australia		
				Prominent	Gamma X Delta	Prominent Fluid Controls Pty Ltd.		

Product Data Sheet links – Internal Use Only

Notes

1. Refer DS32 Section 8 for guidance on type of pump required
2. Purchaser to inform the supplier of: medium to be dosed (viscosity, temperature); required flow range; discharge pressure range; requirement for double diaphragms; requirement for diaphragm rupture sensing; degassing (self-bleeding); type of end connection; power supply and control & monitoring requirements (manual, external, pulse, analogue, Profibus connectivity etc.) as a minimum for selection of dosing pumps.
3. FSA Pumps shall comply with DS 32 Clause 8.4.7 and DS71-01 Clause 6.1.1.
4. The Water Corporation's preferred type of dosing pump is typically a digital dosing pump because of the large turn-down ratio and ability to control discharge stroke speed. Progressive cavity pumps may be preferred for dosing polyelectrolyte.

TABLE C Mechanical Products – Pumps

7.44 Magnetically Driven Chemical Transfer Pumps

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Chemical Transfer Pumps	Magnetically Driven	Various	NA	Iwaki	SMX-F MX-F MDM MDE	Pump N seal Australia	SMX-F- Self priming version for sump applications- not for general use MXF-Plastic front casing & flanges MXM/MDM/MDE – Cast Iron outer housing and flange rings with plastic liner	

Product Data Sheet links – Internal Use Only

Notes

1. Magnetically driven chemical transfer pumps are suitable for transfer of corrosive chemicals that are difficult to seal.
2. Purchaser to inform the supplier of chemicals to be pumped (chemical name, concentration, viscosity, temperature); required flow range; normal and maximum transient discharge pressure range; type of end connection; power supply, motor type (AC/DC, DC Brush/DC Brushless and Stepper), as a minimum for selection of magnetically driven chemical transfer pumps

TABLE C Mechanical Products – Pumps

7.45 Vacuum Pumps

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Liquid Ring	Flat sided rotor porting	Minor	N/A			Refer Note 2	Refer Note 2	
	Conical rotor porting	Minor	N/A					
Rotary Vane	Oil recirculated	Minor	N/A	BUSCH	R Range	Busch Australia Pty Ltd	Refer Notes 3,5	
				Rietschle	V Series	Gardner Denver Industries Pty Ltd		
Rotary Claw	Dry compression	Minor	N/A	Rietschle	Zephyr VLR	Gardner Denver Industries Pty Ltd	Refer Note 4	
				Busch	Mink	Busch Australia Pty Ltd		

Product Data Sheet links – Internal Use Only

Notes

1. Table needs to be reviewed and updated, consult Scott McKenzie for latest product & project knowledge.
2. Liquid Ring pumps shall be of corrosion resistant materials only. Running costs are high due to water consumption but they provide moderate discharge temperature due to water seal cooling effect. Generally for 'like for like' replacement applications only.
3. Rotary Vane Pumps have proven very reliable. Having an integral oil cooling fan, they emit more heat within the building (requiring appropriate forced ventilation) but provide lower discharge temperature than Dry Compression for odour treatment systems.
4. Only to be used where high discharge temperatures can be tolerated (not suited to organic odour treatment systems)
5. Lower cost pump from 'non-traditional' sources have not proven reliable (high oil consumption) and should not be used.

TABLE C Mechanical Products – Compressors

7.46 Compressors

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Positive Displacement	Reciprocating	Minor	N/A	Atlas Copco	LE/LT (Oil Lubricated) LF (Oil Free)	Atlas Copco Compressors		
				Champion	APP Range	Champion Compressors		
				Gardner Denver	R Series	CompAir (Australia) Ltd		
				Ingersoll Rand	Type 30	CAPS Australia Pty Ltd		
	Rotary Screw	Minor/ Major	N/A	Atlas Copco	GX, GA	Atlas Copco Compressors – Suitable for ambient temperatures up to 46 °C		
				Sullair	DS Incorporated into Champion CSF Series	Champion Compressors – Suitable for ambient temperatures up to 50 °C		
				CompAir	L Series	CompAir (Australia) Ltd.– Suitable for ambient temperatures up to 50 °C		
				Ingersoll-Rand	UP, SSR Series	CAPS Australia – Suitable for ambient temperatures up to 46 °C		
				Kaesar	Airtower	Kaesar Compressors Australia Pty Ltd – For ambient temperatures up to 45 °C. (Oil flooded screw only available).		

Product Data Sheet links – Internal Use Only

Notes

1. Table needs to be reviewed and updated
2. Air compressors with SS enclosures suitable for outdoor installation are available. Painted enclosures should only be used for indoor installations.

TABLE C Mechanical Products – Blowers

7.47 Blowers

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Custodian / Review Date
Positive Displacement	Rotary vane	Minor / Major	N/A	Busch	Seco	Busch Australia Pty Ltd.		
				Rietschle	Picolino, Pico, Druvac, Macro	Dynapumps		
	Rotary lobe	Minor / Major	N/A	Busch	Panda, Puma, Tyr	Busch Australia Pty Ltd		
				Rietschle	Shark	Gardner Denver Industries Pty Ltd		
				Robuschi	RBS, Robox Series	CAPS Australia Pty Ltd		
	Rotary claw			Rietschle	Zephyr	Gardner Denver Industries Pty Ltd		
				Bush	Mink	Busch Australia Pty Ltd		
Centrifugal	Multistage	Major	N/A	Hoffman	40, 300, 600/700 Series	CAPS Australia Pty Ltd		
				Ingersoll Rand	Centac			
				Lamson	Series 2000			
	High Speed	Major	N/A	Donkin	SG Range	Howden Australia		

Product Data Sheet links – Internal Use Only

Notes

1. Table needs to be reviewed and updated

TABLE C Mechanical Products – Pressure Vessels

7.48 Small Pressure Vessels & Diaphragm Pressure Tanks (Non harmful contents)

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Custodian / Review Date
Pressure Vessels (AS1210)	Bladder Type PN16	1m³ , 2m³ & 3m³	SPS 249	Charlatte	Bladder Type – PN16-AS1210-Class 2A	Safe Surge Pty Ltd	Charlatte PN16, bladder vessels of size 1m ³ , 2m ³ & 3m ³ have design registered with NSW WorkCover	
Pressure Tanks	Diaphragm Type PN10*	100L	N/A	Global Water Solutions	PWB-100LV	Global Water Solutions (also, local agents)	Listed GWS pressurised water storage tanks have design registered with Worksafe Victoria The design registration number and hazard level, shall be marked on the name plate . A copy of the design registration certificate shall be provided with the documents.	
					GT-H-100 PN10 G1 V ,	Grundfos Pumps Pty Ltd		
Pressure Tanks	Bladder Type PN10*	200L, 250L, 300L, & 450L	N/A	Global Water Solutions	GCB-200LV, 250LV, 300LV & 450LV	Global Water Solutions (also, local agents)		
					GT-D-200 PN10, GT-D-240 PN10, GT-D-300 PN10, GT-D-450 PN10	Grundfos Pumps Pty Ltd		
					Pressure Tanks	Bladder Type PN16		200L, 300L
GT-U+200 PN16, GT-U+300 PN16	Grundfos Pumps Pty Ltd							
Pressure Tanks	Diaphragm Type PN16	80L, 100L	N/A	Global Water Solutions	MXB-80LH/V & 100LH/V	Global Water Solutions (also, local agents)		
					GT-H-80 PN16, GT-H-100 PN16	Grundfos Pumps Pty Ltd		
Pressure Tanks	Diaphragm Type PN25	100L	N/A	Global Water Solutions	UMB-100LV	Global Water Solutions (also, local agents)		
					GT-U+100 PN25	Grundfos Pumps Pty Ltd		
Pressurised water storage tanks listed above could be used for applications requiring diaphragm pressure tanks subject to Design Pressure x Volume (PV) not exceeding 200 MPa.L. Higher PV’S may be selected being aware of mandatory inspection requirements. Please refer Section 11 of DS35-01.								

Product Data Sheet links – Internal Use Only

Note. The above is not exclusive but other makes and models selected shall have Australian design registration, name plate and documentation as above

* **PN 10** Pressure Vessels may be used only in systems where the maximum achievable system pressure (closed valve) is ≤ 7 bar.

TABLE C Mechanical Products – Miscellaneous

7.49 Miscellaneous

Product	Type	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Miscellaneous								
Electric Actuators	415V/50Hz	NA	Refer DS26-41			All Electrical Actuators shall comply with DS26-41. Please refer to Water Corporation’s Electrical Preferred Equipment List makes approved for use.		
Electric Actuators for PVC Ball valves			N/A			Please refer products listed under Valves & Fittings for Chemical dosing Systems		
Standpipes	Metered	DN 80 x DN 20	SPS 155	RMC	Hose tap outlet	Reliance Worldwide		
					Cam lock outlet			
Dismantling Joints - Heavy Duty Fully Restrained with seal activated by continuous tie-rods	Compact (Wafer Type) PN16, AS4087 Flanges	DN 100 - DN 1200	N/A	Steelmains	Compact Dismantling Joint	Steelmains		
	Long Face to Face Length, PN16, AS4087 Flanges	DN 80- DN 1200		AVFI	AFD10	AVFI Pty Ltd		
		DN 80- DN450		Pipemate	Type B	Hygrade Water Australia		
		DN50- DN 1400		AVK	FD10	Iplex Pipelines Aus Pty Ltd AVK Australia Viadux Pty Ltd Reece Australia Pty Ltd		
		DIMAX		THRUST PN 16	Reece Australia Pty Ltd			
Strainers	H-Strainer	DN 25 - 600	N/A	CLA-VAL	X43H	Challenger Valves & Actuators	AS4087 flanged version required. Installed at Bootenal & Rangeway tank sites in Geraldton. Review June 2022, Jarrod Hoffman.	

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	Standard	DN200	N/A	Bermad	70F	Bermad Water Technologies	AS4087 double flange version required. Standard body with Strainer basket in SS316 with 3mm holes Planning to install in G&A. Contact Chep Smith , TA, G&A for an update.
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Product Data Sheet links – Internal Use Only

8 **TABLE D Process Products**

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Chlorination									
1	Vacuum Regulator	Remote/yoke mount	N/A	N/A	Wallace and Tiernan	210	Evoqua	Historically used	
		Remote/yoke mount	N/A	N/A	Wallace and Tiernan	510	Evoqua	Historically used	
2	Chlorinator	Non-sonic	0-15 kg/hr	N/A	Wallace and Tiernan	V10k	Evoqua	Historically used	
		Sonic	0-10 kg/hr	N/A	Wallace and Tiernan	S10k	Evoqua	Historically used	
		Non-sonic	10-200 kg/hr	N/A	Wallace and Tiernan	V2000	Evoqua	Historically used	
		Sonic	0 - 0.1 kg/hr through to 0 - 60 kg/hr	N/A	DeNora (Severn Trent)	NXT	Westwater	Historically used	
3	Ejector	Fixed throat	¾" - 1"	N/A	Wallace and Tiernan	Various	Hydramet	Historically used	
		Adjustable Throat	2", 3", 4"	N/A	Wallace and Tiernan	Various	Hydramet	Historically used	
4	Non-return valve	Ball, tantalum spring check	2, 5, 10, kg/hr	N/A	Chemical Injection Technologies	HASM-(2,5,10)SCV-VC VLV	Hydramet	#98505912 Under trial	

TABLE D Process Products

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
5	Non-return	Diaphragm, tantalum spring check	40 kg/hr	N/A	Chemical Injection Technologies	HP-CV-11-100-SCV-V VLV	Hydramet	#98505912 Under trial	
6	Non-return	Diaphragm, tantalum spring check	120, 200 kg/hr	N/A	Chemical Injection Technologies	HP-CV-200/300-SCV-V VLV	Hydramet	#98505912 Under trial	
7	Dosing Spear/Quill	Retractable	¼", ½"	N/A	Hydramet	HQ3	Hydramet	Maximum length permitted is 600mm until further review	
8	Main Isolation for chemical dosing	Lined Plug valve	Various	N/A	XOMOX	061-1-PFA-1-PFA-W	Crane Australia	Historically used – refer dwgs: JZ39-2-2, JZ39-2-3 and JZ39-2-4	

Chemical – General

1	Safety Shower with combination eyewash	N/A	N/A	N/A	Ashley	(Compliant with DS79.2) ASE 680	Ashley	NI#45897451	
			N/A	N/A	Enware	(Compliant with DS79.2) ECE090	Enware	NI#45897451	
			N/A	N/A	Pratt	(Compliant with DS79.2) SE612	Pratt	NI#45897451	

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Chemical – 50% Sodium Hydroxide Valves (Nexus ID 125995127)									
1	Diaphragm valve (PN10)	Hard Natural Rubber lined SG Iron, Butyl diaphragm	25-100mm	N/A	Saunders	Type A Weir Style	Crane Australia		
		UPVC body, EPDM diaphragm	25-100mm	N/A	Asahi	Type 14 EPDM ANSI 150	Fusion Australia		
		UPVC body, EPDM diaphragm	25-100mm	N/A	George Fischer	Type 514/317	Trility	Not to be used for actuated applications	
		PVC body, EPDM diaphragm	25-100mm	N/A	Hayward	DAB Series Flanged	Reece		
2	Butterfly valve (PN16)	Ductile iron body, PTFE seat, PTFE coated disc	50-100mm	N/A	AFFCO	Series 686	Flocontrol		
3	Butterfly valve (PN10)	PFA lined Ductile Iron	50-100mm	N/A	XOMOX	Tuflin XLD	Crane Australia		
		Ductile iron PTFE lined body, PFA encapsulated SS disc	50-100mm	N/A	Neotecha	NSD 050 N01WM4B00	Emerson		
		Lugged Ductile iron, modified PTFE seat, duplex disc with modified PTFE coating		N/A	Ebro	T214-A MPTFE lined	Ebro Armaturen		
		Ductile iron or SS body, PFA lined, PFA encapsulated SS disc	50-100mm	N/A	APV Superseal	2014 DI PFA lined	Global Supply Line		
4	Ball Check	Ductile iron PFA lined body and ball, PTFE seals	All	N/A	XOMOX	Tuflin XLC	Crane Australia		

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
		Ductile iron PFA lined body, EPDM coated steel ball		N/A	APV Superseal	DO series ball check	Global Supply Line		
		PVC, EPDM seals and seats		N/A	Asahi	Ball check valve	Fusion Australia		
		PVC or CPVC body and ball, PTFE seat, EPDM seals		N/A	Hayward	TC Series Socket	Reece		
5	Pressure Control valve	PVC body with Noryl bonnet, EPDM diaphragm		N/A	Hayward	RPV pressure relief/retaining	Reece		
		PVC body with Noryl bonnet, EPDM diaphragm		N/A	Hayward	PBV pressure reducing	Reece		
		PVC body and EPDM diaphragm and seals		N/A	George Fischer	Type 586 pressure retaining	Trility		
		PVC body and EPDM diaphragm and seals		N/A	George Fischer	Type 582 pressure reducing	Trility		
		PVC body and EPDM diaphragm and seals		N/A	Asahi	V85/185 & V86/186 pressure relief/ retaining	Fusion Australia		
		PVC body and EPDM diaphragm and seals		N/A	Asahi	V82/182 pressure reducing	Fusion Australia		
		PVC body and EPDM diaphragm		N/A	ASV-Stubbe	DHV 712-R pressure relief/ retaining	Braeco		
		PVC body and EPDM diaphragm		N/A	ASV-Stubbe	DMV 755 pressure reducing	Braeco		

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
Chemical – 98% Sulphuric Acid Valves (Nexus ID 125995127)									
1	Ball valve (PN16)	Ductile iron PFA lined body and ball, PTFE seats	All	N/A	XOMOX	Tuflin XLB	Crane Australia		
		Ductile iron PFA lined body, PTFE ball and seats		N/A	AZ Armaturen	NVN	Flocontrol		
		Ductile iron PFA lined body PFA encapsulated steel ball, PTFE seats with PFA encapsulated FKM o-ring		N/A	Pentair (Neotecha)	Neotecha type NTB 050 NB1FA1L00	Emerson		
		Ductile iron PFA lined body, PTFE coated DI ball, PTFE seals		N/A	APV Superseal	RFFL PFA lined	Global Supply Line		
		PVDF body, PTFE seat and FPM seals		N/A	Asahi	Type 21/21a	Fusion Australia	For trial only	
		PVDF body, PTFE ball, PTFE seat and FPM seals		N/A	Hayward	TB Series Socket	Reece	For trial only	
		PVDF body and ball, PTFE seat and FPM seals		N/A	George Fischer	Type 546	Trility	For trial only	
2	Butterfly valve (PN16)	Ductile iron body, PFA seat, PFA coated disc	50-100mm	N/A	AFFCO	Series 686	Flocontrol		
3	Butterfly valve (PN10)	Ductile iron PTFE lined body, PFA encapsulated SS disc	50-100mm	N/A	Neotecha	NSD 050 N01WM4B00	Emerson		
		Ductile iron, modified PTFE seat, duplex disc with modified PTFE coating	50-100mm	N/A	Ebro	T214-A PTFE lined	Ebro Armaturen		

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
		Ductile iron body, PFA lined, PFA encapsulated SS disc	50-100mm	N/A	APV Superseal	2014 DI PFA lined	Global Supply Line		
		PFA lined Ductile Iron	50-100mm	N/A	XOMOX	Tuflin XLD	Crane Australia		
4	Ball Check	Ductile iron PFA lined body and ball, PTFE seals	All	N/A	XOMOX	Tuflin XLC	Crane Australia		
		Ductile iron PFA lined body PFA coated steel ball		N/A	APV Superseal	DO series ball check	Global Supply Line		
		PVDF body, PTFE seals and seats		N/A	Asahi	Ball check valve	Fusion Australia	For trial only	
		PVDF body and ball, PTFE seat, FPM seals		N/A	Hayward	TC Series Socket	Reece	For trial only	
5	Pressure Control valve	PVDF body with Noryl bonnet, PTFE diaphragm			Hayward	RPV pressure relief/retaining	Reece	For trial only	
		PVDF body with Noryl bonnet, PTFE diaphragm			Hayward	PBV pressure reducing	Reece	For trial only	
		PVDF body and PTFE diaphragm and FKM seals			George Fischer	Type 586 pressure retaining	Trility	For trial only	
		PVDF body and PTFE diaphragm and FKM seals			George Fischer	Type 582 pressure reducing	Trility	For trial only	
		PVDF body and PTFE coated diaphragm and PTFE seals			Asahi	V85/185&V86/186 pressure relief/retaining	Fusion Australia	For trial only	
		PVDF body and PTFE coated diaphragm and PTFE seals			Asahi	V82/182 pressure reducing	Fusion Australia	For trial only	
		PVDF body and FPM diaphragm and seals			ASV-Stubbe	DHV712-R pressure relief/retaining	Braeco	For trial only	

No	Product	Type/Material	Size	SPS No	Make	Model	Supplier	Product Limitations/ Outstanding Performance Reviews	Review Date
		PVDF body and FPM diaphragm and seals			ASV-Stubbe	DMV 755 pressure reducing	Braeco	For trial only	
Chemical – Plastic Lined Metallic Piping Systems (also for corrosive service)									
1		PTFE/ PFE/ PP/ PVDF Piping System			Crane Resistoflex		Crane		
		PTFE Lined Piping System			Baum		Access Petrotec		

NOTES AND COMMENTS

H.	The above Tables comprise listings of authorised strategic products that have consistently performed over long periods of service, have been subject to formal documented authorisation processes as described in Note F or have been deemed fit for purpose by virtue of past usage in WA water and wastewater conveyance systems.
I.	The Tables are not intended to be an exhaustive listing of authorised product suppliers. The authorisation of new products (and suppliers) in the Tables shall be in accordance with the requirements set out in the following Notes.
J.	Authorisation of a new product shall be subject to a formal documented appraisal process such as described below. Where product performance in service is untried or untested special product warranty conditions may apply as deemed appropriate by the Corporation may be required.
K.	The objectives of authorisation processes for strategic products include evaluation of engineering and operational fitness for purpose, whole-of-life risk and value, service life expectancy and compatibility with existing Corporation infrastructure and stock.
L.	Authorisation shall be limited to the listed products. Designers and constructors shall ensure that products intended for use have been authorised in accordance with these requirements.
M.	The typical stages of authorisation of a strategic product are:
	(a) Submission to a formal engineering appraisal process whereby product design and certification to the required product standards is verified and operational fitness for purpose is proven by trial in live service, prior to any authorisation or use;
	(b) Appraisal of product design, third party certification and fitness for nominated performance levels under the WSAA National Product Appraisal Scheme operated by the Water Services Association of Australia (WSAA) on behalf of its members (including the Corporation). Information on WSAA appraisal application procedures, terms and conditions may be referenced at www.wsaa.asn.au . Appraisal may alternatively, by agreement, comprise a formal report by a product assessor having appropriate specialist product knowledge and qualifications acceptable to the Corporation;
	(c) Initial limited scale operational trialling of product samples including performance reporting under headings of ease of handling and robustness under live installation and service conditions, identified service limitations and adequacy of product assembly and installation instructions.
N.	Suppliers shall bear the liabilities including the cost of product appraisal and verification of compliance with the requirements herein. Suppliers are also advised to plan the timing of product submissions for authorisation to take due account of product appraisal and certification processes including operational trials which can be time consuming.

(*) **Authorisation number:**

yy	nn	xxA
Year	Sequential number	WA - Water
2011 = 11		WWA – Wastewater
2012 = 12		

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