

ACCEPTABLE PRODUCT LISTS

General Products

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ¹	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
Common Pressure Pipe Assets	Stand Alone Flanges	DN80 to 225	Ductile/Cast Iron	AS/NZS 4087 AS/NZS 4158	Pipe and Infrastructure	xxxx	xx/xx/20xx	Stand Alone Flanges; Ductile iron and protective coated.
	Sluice Valves	DN50 - 300	Resilient Seated Gate Valves	AS/NZS 2638.2	Tyco	xxx		Anti-clockwise closing; External and internal protective coating; Rated at PN16; Ductile iron must meet ASTM A536 65-45-12, EN 1563 EN-GJS-500/7 or equivalent.
				AS/NZS 2638.2	Hygrade supplied Hawle	SMKP20123	31 March 2024	
				AS/NZS 2638.2	Pipe & Infrastructure supplied Derwent	SMK25890	3 May 2025	
	Gate Valves	DN20 to 80			xxxx			
	Bolts		Galvanised Bolts	AS/NZS 2312.2; BS 3692				Bolts, nuts and washers to be hot dipped galvanised with minimum of 15mm diameter
	Bolts		Stainless Bolts	AS/NZS 1252		xxx		Stainless steel bolts, nuts and washers are acceptable alternatives to hot dip galvanised fastenings provided they are 316 grade stainless steel with factory applied Molybond coating
Common Gravity Drainage Assets	Concrete manhole risers for manholes less than 1m deep	DN750	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration	AS/NZS 4058:1997; NZS 3109:1997; NZS 3114:1987;	Hynds	NA	NA	there is no standard for manholes only the pipes, and CPPA requirements
					Humes	2618/1	24 November 2025	

¹ Refer to the Reference Documents clause of the relevant section for title and date of the Standard.

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ¹	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
			Technology (VT) VCT					
				AS/NZS 4058:2007	McDonald	2838	27 January 2026	For stormwater use only and for 6 months from 8 November 2022
	Concrete manhole risers over 1m deep	DN1050 to 2500	Manufactured concrete; Roller Compacted; Centrifugally Spun; Vibration Technology (VT) VCT	AS/NZS 4058:2007; NZS 3109:1997; NZS 3114:1987; NZS 3101: Part 1: 2006; Waka Kotahi HN-HO-72 loading CPAA	Hynds	2586/1 or 2819	26 November 2024	there is no standard for manholes only the pipes to AS/NZS 4058:2007; accepted plastic coated rungs only
Humes					2618/1	24 November 2025	there is no standard for manholes only the pipes to AS/NZS 4058:2007; accepted plastic coated rungs only	
McDonald ELE					no	NA	McDonald have 6 months to 8 May 2023 to get a licencemark to AS4198:2022	
	Manholes	DN625 to 1000	Polyethylene Manholes and Maintenance Chambers	BS EN 13598-2	Australasia Moulding Ltd	N 001015 (Austrian Standards)	Perpetuity while compliant	Manhole – used for less than 6m depth. Chambers – used for less than 2m depth.
	Manhole rungs		Manhole plastic coated or fibreglass rungs	EN xxxxx	Nextep	ccc	ccc	
					cccc	ccccc	cccc	
	Manhole Lids & Frames	DN600	Masetro Ductile Iron Lid & Frame	AS 3996	Hygrade		yyyy	Class D Non-bolt down; and bolt down option
		DN600	Pamrex 600 Safety hinged Ductile Iron Lid & Frame	EN124-1:2015 AS 3996	Pipe and Infrastructure	For EN124-1:2015 = #21-121 For AS3996=	31 January 2022	Model D400 in Ductile Iron only Loading is Group 4 under the EN124 standard
	Ductile Iron corrosion protection	NA	Denso Petrolatum external	ISO 21809-03:2008 AS 4822:2018	Denso (Australia) Pty Ltd	xxx	xxxx	Note, the whole 4 step system must be used consisting of, primer; profiling mastic; Denso tape; then Denso PVC tape.

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ¹	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
			coatings for buried pipes					

Water Supply Products

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ²	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
Water Supply	Trunk Mains	DN 250, 300 or 375	PVC-O Pipe	AS/NZS 4441	Iplex	SMKP20682	Nov 2017	Series 2, PN 12.5, Design Material Class 355
			PVC-M	AS/NZS 4765	Marley	#2624	01 August 2026	
			Spiral welded steel	AS/NZS 4442	Steel Pipes	#2657	Dec 2023	3.2 mm wall thickness with concrete lining with Polyken Synergy Heat Fused Polyethylene 323mm OD - 1254mm OD; or Polyken YGIII Cold Applied Polyethylene 323mm OD - 2030mm OD external coating
			Ductile iron	AS2280	Saint-Gobain Pam	xxxx	vvvv	5.0 to 7.9 for PN20 mm wall thickness with concrete lining and externally coated to suit the ground conditions.
	Principal Mains	DN 100, 150 & 200	PVC-O Pipe	AS/NZS 4441	Iplex	SMKP20400	2021	Series 2, PN 12.5, Design Material Class 355
			mPVC?	AS/NZS 4765	Marley	#2624	01 August 2026	7
					Pipemaker (Asmuss)	WM74556	xxx	
	Principal Mains	DN 100, 150 & 200	PE 80 Pipe	AS/NZS 4130	Iplex		—	
	Rider Mains	DN 50 & 40	PE 100 Pipe	AS/NZS 4130	Marley	SMKP20400	xxx	PE80, PN12.5, SDR 11 (coloured blue or blue strip)
					Pipemaker (Asmuss)	#2639	xxx	
	Water Service Lines	DN 20, 25 & 50	PE 80 Pipe	AS/NZS 4130	Iplex	SMKP20400	xx	PE80, PN12.5, SDR 11 (coloured Black with Blue jacket)
					Marley	#2639	xxx	
					RX Plastics	#002	xxx	

² Refer to the Reference Documents clause of the relevant section for title and date of the Standard.

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ²	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
					Waters & Farr	#2729 (Whanganui), #2722 (Rangiora)	30 July 2027	With ongoing compliance.
	Rider Mains and Water Service Lines		PE mechanical fittings	AS/NZS 4129	Iplex	SMKO2018		Plasson Series 1
AS/NZS 4130				Marley	#2639			
				Hansen	WMKA 21978	29 July 2023	Insert to be used to support pipe. DN15 - DN50.	
				Plasson	WM02018 & AMI 02018	xxxx		
	Rider Mains and Water Service Lines	DN 20,25, 40 and 50	PE Fittings Electrofusion	AS/NZS 4129	Plasson	WM02018 & AMI 02018	xxxx	Line 7 range
	Water Service Lines	DN 15, 20, 25	Manifolds	Nil	HCC	?		HCC accept a stainless steel manifold
	Water Service Lines	DN 50 mm	Stop Taps (Gate Valves)	BS EN 12288	ASMUSS Maxiflo	xxxx	xxx	Dezincification resistant materials or LG2 gunmetal, with Malleable (cast) iron T bar handles. PN16 or higher.
		DN 80-600		AS 2638.2	xxxxx	SMKP 20171	xxxx	
	PE Pipe Fittings	DN 40-500	Haku Pipe Saddle; (DN 40 - 500) Haku Flanged Pipe Saddle (DN 125 -315); Synoflex Connector (DN 50-300); Synoflex Flange Adaptor (DN 50 -300); System 2000 Flange Adaptor (DN40-600); System 2000 coupler/connec	AS/NZS 4129	Hygrade supplied Hawle Fittings	WMK25792	Sept 2023	

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ²	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
			tor (DN63- 355); Vario Connector short (150-216mm)and long (216-350mm) versions (DN50, 80, 100, 150, 200); Ststem 2000 End Cap (DN 63- 315)					
	PE Pipe Fittings							
	Fire Hydrants	DN 80	Tall, screw down pattern	NZS 4522; Coating to AS/NZS 4158	Gillies AVK series 29 Tyco F502 Hygrade			Median, screw down pattern allowed on existing mains. Rated PN16 or higher.
	Tapping Bands	DN80 to DN300	LG2 Series 1 and Series 2 PVC TBP8020, TBP8025, TBP8050, TBP10020, TBP10025, TBP10050, TBP15020, TBP15025, TBP15050, TBP20020, TBP20025, TBP20050, TBP25020, TBP25025, TBP25050, TBP30020,	AS/NZS 4793	Ningbo Yong Xiang Copper Products (Aus) Pty Ltd via Promain	3003	14 July 2021	For PVC series 1 and series 2 only and <u>not</u> for use on PE pipe

Acceptable products list

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ²	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
			TBP30025, TBP30050.					
	Tapping Bands	DN100 to DN250						a); b LG2 gunmetal DR type – fully enclosed, b) Polyethylene type – fully enclosed with stainless steel bolts) c) Glass filled NORYL two part moulded with stainless steel bolts
	Tapping Band	DN63	Plassaddle	AS/NZS 4129:2020	Plasson	AMI 02018	6 March 2023	
	Water Meters	<DN 50	Water meters intended for the metering of cold potable water	OIML R49	Deeco Sensus iPerl Sensus 620/640	DE-12-MI001-PTB010 Rev1 DE-07-MI001-PTB002 Rev 8	18 June 2027 24 July 2022	Manufactured with Class C measuring accuracy.
	Water Meters	DN15 and DN20	Water meters intended for the metering of cold potable water	OMIL R49	Itron's Aquadis+	xxxx	xxxxx	
	Water Meters	>DN 50	Water Meters intended for the metering of cold potable water	OIML R49	Deeco Sensus Meistream PLUS	DE-09-MI001-PTB012 Rev 5	18 June 2027	All meter installations, 50mm and above, are subject to specific acceptance by the relevant TA. Suppliers listed on the Acceptable Products list will be contacted to assist in selecting a meter which is fit for purpose (e.g. Class B or C or combination meter). HCC requirements are Elster V210s Helix H4000s only
	Water Meters	DN 100 & 150 mm	Electromagnetic Water Meter					Battery powered, minimum 4 year battery life.
	Water Meters	DN 100 & 150mm	ABB Water Master Electromagnetic Water Meter		ABB			Mains powered (230v)

Acceptable products list

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ²	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
	Manifold with Backflow Prevention	DN20-50	Non-Testable Double Check (Low Risk)	AS/NZS 2845.1	Acuflo CM2000 (composite) with Wilkins device Acuflo GM90STR (brass) with Wilkins device	WMKA1379 WMKA1379	16 July 2021	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
	Backflow Prevention		Testable Double Check (Medium Risk)	AS/NZS 2845.1	Deeco Zarn Wilkins	xxxx	xxxx	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
	Backflow Prevention		Testable Reduced Pressure Zone Device (High Risk)	AS/NZS 2845.1	Watts	xxxxx	xxxx	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
Miscellaneous Water Supply boxes	Valve, Fire Hydrant, & Valve Marker Plate			Standard Drawings				Cast iron to Standard Drawings. Other colour lids may be installed only as approved. NOTE: Only cast iron meter boxes may be used in driveways or carriageways.
	Fire Hydrant and Valve Marker Plate	As supplied	Plastic	SNZ PAS 4509 for FH BS3251 except in plastic and not cast	Franken Plastik supplied by xxxxx			s
	Manifold Boundary Box	xxxx	AMB, AMBJ, and AMBT models Polypropylene or polyethylene meter boxes with black or blue lids.	AS/NZS 4663 (slip resistance)	Acuflo	NA	NA	Slip resistance evidence acceptable

Acceptable products list

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ²	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
	Large meter box	500mm-3000mm		AS 3996 slip resistance)	Channell			
	Concrete Valve Marker Post			Standard Drawing D6.4				
	Fire Hydrant Concrete Surrounds			Standard Drawings D6.3				
	Valve Concrete Surrounds			Standard Drawings D6.2				
	Wooden Valve Post			Standard Drawing xxx				
	Toby Box Riser	150 mm	mPVC PN16	Standard Drawing D6.9	Iplex Marley Iplex			

Stormwater Products

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ³	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
Stormwater	Stormwater Mains	DN 150	PVC-U Pipe	AS/NZS 1254				Class SN16 RRJ
	Stormwater Mains	DN 225 to 2400	Concrete Pipes	AS/NZS 4058	Humes	2618/1	24 November 2025	Rubber Ring jointed Class 2-3 & 4 for Humes
					Hynds	2586/1 or 2819	26 November 2024	
					McDonald ELE	2838	27 January 2026	Conditional to 8 May 2023
	Stormwater Mains	DN 150 to 600+?	PKS & Profix (PFX) Polyethylene (PE100) Profile (PR) Pipe Civil Boss?	AS/NZS ISO 9001:2015; AS/NZS 5065;	Humes			Consideration will only be given to pipe diameters greater than DN600mm.
					Waters & Farr (Hynds)	2730	9 August 2027	
	Single Double / Catchpit Lead	DN225/DN300	Concrete Pipes	AS/NZS 4058	Humes	2618/1	24 November 2025	Rubber Ring jointed Class 2-3 & 4 for Humes
					Hynds	xxx	xxx	
			Civil boss PE100	AS/NZS 5065	Wates & Farr (Hynds)	2730	9 August 2027	
			PVC	cccc	Iplex	xx	xx	
					Marley	xx	xx	
	Single/double Catchpit single	675 x 450mm	Concrete chamber		Humes			

³ Refer to the Reference Documents clause of the relevant section for title and date of the Standard.

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					Hynds			
	Catchpit grate	600 x xxx	Ductile Iron	AS 3996	Hygrade	xxx	yyyyy	
					P&I	cc	xx	
					Humes	xx	cc	
	Storage systems	yyyy	PVC	ASTM-F2418-06a	Cirtex	See letter	Perpetuity while compliant	
		cccc	Rainsmart ellipse tank modules	ASTM-F2418-06a	Cirtex	See letter	Perpetuity while compliant	
		ttttt	Triton SWS Corrugates Wall water collection system	ASTM-F2418-06a	Cirtex	See letter	Perpetuity while compliant	
	Treatment systems	cccc	Stormwater 360 Filterra Stormfilter	concrete elements only AS/NZS 4058:2007 NZS 3101:2006 NZS 3109:1997	Stormwater 360	see letter	?	limited to local roads and not arterial or collectors.
	Single Dwelling	DN 100	PVC-U Pipe	AS/NZS 1254				100mm diameter in private non-trafficked areas are to be SN6 RRJ and in private trafficked areas and all public areas are to be SN10 RRJ
	2 to 3 Dwellings	DN 150	PVC-U Pipe	AS/NZS 1254				Class SN8 RRJ in private non-

Acceptable products list

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								trafficked areas and SN16 RRJ in private trafficked and public areas
	Kerb outlet							90 degree and 45 degree ductile iron kerb outlets and associated rubber couple fitting use.

Wastewater Products

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ⁴	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
Wastewater	Wastewater Mains	DN 100 to 225 mm	PVC-U Pipe	AS/NZS 1260	Iplex	SMKP20400		Class SN16 RRJ DN 150 to 225mm. DN 100 SN10 RRJ With ongoing compliance.
					Marley	#2639		
					Waters & Farr	# 2730 (Whanganui)		
	Wastewater Connections	DN 100 to 150 mm	PVC-U Pipe	AS/NZS 1260				Class SN16 RRJ
Wastewater Pump Station	Wet Chamber	DN1200 to DN3300	FRP Chamber	General compliance with Watercare standard	Pump & Valve Specialties	PS1 and PS4 required		Specific design for each site
	Wet Chamber	DN1200-DN3300	Concrete	AS/NZS 4058 CPAA	Humes	Xxxx	Yyyy	Class xxx
					Hynds	xxxx	yyyyy	
	Rising Main	DN40 to 600	PE100 Polyethylene Pipe	AS/NZS 4130	Iplex	SMKP20400	xxx	PE100, PN 12+, coloured black with cream strip or jacket welded or flanged joints (fusion welded fittings are acceptable). With ongoing compliance.
					Marley	#2639	xxxx	
					Waters & Farr	# 2730 (Whanganui)	xxxxx	
	Pumps		Flygt – size to suit application (see comments)		Flygt			Pump options are; N type impellers. The available sizes are 3085, 3102, 3127 or 3153. Unless

⁴ Refer to the Reference Documents clause of the relevant section for title and date of the Standard.

Acceptable products list

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								agreed with council, the impellers should be the medium head (MT) option.
	Pump Discharge Bend		Flygt – size to suit application		Flygt			To suit pump
	Guide Rail Brackets		Flygt		Flygt			Hot dip galvanised. To suit pump.
	Guide Rails	DN 50	Stainless Steel Pipe	316				Schedule 10, 316 grade stainless steel. Any joints to be an internal pressed fit stainless steel sleeve.
	Pump Riser Pipe	DN 80 to 150	Stainless Steel Pipe	316				Schedule 40, 316 grade stainless steel.
	Pump Backflow Prevention	DN80 to 150	Flap Check or Ball Check Valve	AS/NZS 4158 AS/NZS 4087				External and internal protective coating. Rated at PN16. Flanges to be raised face and drilled.
	Washdown Backflow Prevention	DN 50 mm	Testable Reduced Pressure Zone Device (High Risk)	AS/NZS 2845.1	Wilkins	cccc	ddddd	Devices manufactured to satisfy the Water NZ publication 'Backflow Prevention for Drinking Water Suppliers Code of

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								Practice', or ASSE Standards (American Society of Sanitary Engineers Standards)
	Flow Meter	Sized to suit the rising main	ABB Water Master potted for IP68		ABB			

Landscaping Products (to be developed)

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS ⁵	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
Landscaping								

Transportation Products

CATEGORY	APPLICATION	SIZING	PRODUCT	STANDARDS	MANUFACTURER	LICENCE MARK #	EXPIRY DATE	COMMENTS
Roading	Street light Luminaires		LED Lantern type RoadGrace	AS/NZS 1158 NZTA Specification M30	Philips	?	?	3000 Kelvin luminaires to be used for both P and V category roads
			LED Lantern NB Smart City Gyro	AS/NZS 1158 NZTA Specification M30	FelicityCI NZ	?	?	
	Street signs							
	Seat furniture							
	Bus Shelter							
	Bike Rack							

⁵ Refer to the Reference Documents clause of the relevant section for title and date of the Standard.