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APPROVED PRODUCTS AND MANUFACTURERS SEWER

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INTRODUCTION

This document lists products approved by Hunter Water for use in the sewer network, together with the names of manufacturers of the approved product. Information on suppliers of the products should be obtained directly from the manufacturers.

The document is intended to be read in conjunction with:

- (i) Hunter Water Corporation Water and Sewer Design Manual, Standard Technical Specifications & Standard Construction Practice (Drawings)
- (ii) The Water Services Association of Australia (WSAA) Product Specifications (refer www.wsaa.asn.au / National Codes / Purchase Specifications)

Not all products and materials appraised by WSAA are approved for use in the Hunter Water sewer network.

General background information on products and materials is also available on the WSAA website (www.wsaa.asn.au / National Codes / Product and Materials Information and Guidance).

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System	Product Type	Description	Manufacturer
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Access Chamber



Component

Precast concrete access chamber components - shaft sections, tapers, squat cones, conversion slabs, make up rings, covers and surrounds.

Beresford Concrete Products
 CSR Humes
 Icon Industries
 Rocla Pipeline Products



Cover

DI "Gatic" cover and frame with precast concrete surround. Class B (non trafficable)

Rocla Pipeline Products

DI "Rhinocast" cover with CI frame. DN600 Class B (non trafficable) & D (trafficable).

ACO Polycrete

DI (sealed watertight type) DN600

Gatic Holdings

DI (two part) 900 * 900. For use with Scour Chamber.

Gatic Holdings

DI cover and frame (hinged), Class D (trafficable)

Fidax Foundry



Ladder

Monorail Ladders, Stainless Steel

Negra

Polybutelene terephtalate (PBT) (Yellow) modular ladder system for sewerage applications

Industrial Steps and Ladders



Maintenance Shaft

Fabricated PVC MS

Aymroo



Mastic strip

Butyl mastic jointing strip for access chamber components

Beresford Concrete Products
 CSR Humes
 Icon Industries

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System	Product Type	Description	Manufacturer
			Rocla Pipeline Products
	Seal	Rubber ring for access chamber components	C-Tech Rubber

Fittings Gravity

	Ductile Iron Fittings	Auslite DI fittings, bends and tees, DN100 and DN150, thermal bonded polymeric coating	Tyco Water
		Bends, caps, connectors, plugs and junctions	Crevet Pipelines NIBF Toowoomba Foundry Tyco Water
		Bends, tees, adaptors, risers, caps. DN 100/150. Cement lined and fusion bonded epoxy coated.	Galvin Engineering
		Bends, tees, tapers, connectors, hydrant tees, scours, DN100/750, thermal bonded polymeric coating	Mallet Foundry
	GRP Fittings	GRP pipe fittings - connectors, couplings, saddles.	Iplex Pipelines
	Mechanical Coupling	Wang Vari-Gib Couplings, DN 150/600	Wang Industries
	PVC-U Fittings	PVC-U pipe fittings - connectors, adaptors, bends, caps, junctions, plugs.	Aymroo Iplex Pipelines Vinidex
		PVC-U Ultra-Rib Deflection Coupling, DN 150, SN 8, 5 degrees	Vinidex

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System	Product Type	Description	Manufacturer
	Steel Spigot Band	Spigot band (to join SCL to DICL RRJ sockets), Steel. DN100/750.	Tyco Water
	Steel Welding Collar	Welding collars, Steel. < DN900 * 150w DN900/1200 * 200w	Tyco Water

Fittings Pressure

	Air Valve	Air Valve - 50 mm threaded BSP and DN80, DN100, DN150 and DN200 (Table C) flanged connection - Double Orifice (combination), with anti-surge mechanism, 316L stainless steel & high density polyethylene construction - Model RGX	Ventomat
		Air Valve, DN50 to DN100, ARI Compact Combination Model D-025	Amiad Australia
		Air Valve, DN50 to DN200, ARI Combination Model D-020	Amiad Australia
		Air Valve, DN80 to DN100, ARI Combination Model D-023	Amiad Australia
	Ductile Iron Fittings	Auslite DI fittings, bends and tees, DN100 and DN150, thermal bonded polymeric coating	Tyco Water
		Bends, gibaults, tees, tapers	Crevet Pipelines NIBF Toowoomba Foundry Tyco Water
		Bends, tees, adaptors, risers, caps. DN 100/150. Cement lined and fusion bonded epoxy coated.	Galvin Engineering
		Bends, tees, tapers, connectors, deep socketed, DN100/200, thermal bonded polymeric coated	

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System	Product Type	Description	Manufacturer
			Vinidex
		Bends, tees, tapers, connectors, hydrant tees, scours, DN100/750, thermal bonded polymeric coating	
			Mallet Foundry
		Bends, Tees, Tapers, Hydrant Risers, Scour Tees, Connectors, Caps in sizes DN80 to DN250 with thermal bonded polymeric coatings	
			Dobbie Dico
	Gate Valve		
		Gate Valve, Metal seated, DI. DN100/600, Fusion bonded coating internal & external	
			Crevet Pipelines John Valves Tyco Water
		Gate Valve, Resilient seated, DI. DN100/300. Fusion bonded coating internal & external	
			AWE Crevet Pipelines John Valves NIBF Obevalves
		Gate Valve, Resilient seated, DI. DN100/600. Fusion bonded coating internal & external	
			Tyco Water
		Gate Valve, Resilient seated, DI. DN 100/200, thermal bonded polymeric coating, clockwise	
			Vinidex - Hawle
		Gate Valve, Resilient seated, DI. Series 57 DN80/375, Series 55 DN400/600, Fusion bonded epoxy coating, clockwise closing, PN16.	
			AVK Australia
	GRP Fittings		
		GRP pipe fittings - couplings, bends, joints, tees, valves, tapers.	
			Iplex Pipelines
	Mechanical Coupling		
		Ezigib mechanical coupling, long and short barrel, DN100/200, DI with thermal bonded polymeric coating	
			Tyco Water
		Wang Vari-Gib Couplings, DN 40/600	

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System	Product Type	Description	Manufacturer
			Wang Industries
➤	PE Fitting	Electrofusion Fittings, DN40/125, PN 12.5	Iplex Pipelines Vinidex
➤	Polypropylene Coupling	Coupling, Polypropylene. DN40/125	Iplex Pipelines Philmac Vinidex
➤	Restraining Joint	TYTON-LOK gasket with SS locking segments	Tyco Water
➤	Steel Spigot Band	MS Spigot band (to join SCL to DICL RRJ sockets), DN100/750.	Tyco Water
➤	Steel Welding Collar	MS Welding collars, < DN900 * 150w DN900/1200 * 200w	Tyco Water
➤	Valve Cover	Gate valve cover and frame, Cast Iron	Crevet Pipelines Fidax Foundry Tyco Water Wang Industries
➤	Valve Shroud	Gate valve shroud fittings, Cast Iron. Gate valve shroud pipe, PVC, SN 6	Fidax Foundry Iplex Pipelines Vinidex
➤	Valve Spindle		

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System	Product Type	Description	Manufacturer
		Gate valve extension spindle, Steel - Galvanised or Coated	Crevet Pipelines John Valves Obevalves Tyco Water

Pipeline System Gravity

- **Concrete Pipe**
 - Encasing Pipe (butt jointed with steel locating band), CL 4. DN1200
 - CSR Humes
 - Rocla Pipeline Products
 - Pipe (Sewer), pvc lined, CL 3 & 4 DN600/750
 - CSR Humes
 - Rocla Pipeline Products
 - Splay pipes, pvc lined, DN600/750
 - CSR Humes
 - Rocla Pipeline Products

- **Ductile Iron Pipe**
 - Tyton 2100 Series TYTONXTREME pipe, calcium aluminate cement mortar lining, DN100/750, PN 35
 - Tyco Water

- **GRP Pipe**
 - GRP pipe, SN 10000, DN 300 to DN1200
 - Fibrelogic Pipe Systems

- **Polypropylene Pipe**
 - Ribbed profile, "SewerMAX" pipe, DN 225/600, Class SN10, RR joint, 3m and 6m lengths
 - Iplex Pipelines
 - SewerPRO (SN10-dark grey) in 3 metre lengths in nominal diameters DN150, 225, 300, 375, 450, 525, 600, 750, 900
 - Vinidex

- **PVC-U Pipe**
 - D-Flo DN100, 150, 225, 300 and 375 pipe for sewer reticulation applications in lengths of 3 and 6 metres - Approved Classes SN8, SN10 only
 - Tyco Water

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System	Product Type	Description	Manufacturer
		Plain wall, PVC-U pipe, DN 150/375, Class SN8, RR joint	Iplex Pipelines Key Plastics
		Plain wall, PVC-U pipe, DN 150/475, Class SN8, RR joint	Vinidex
		Ribbed profile, "Ultra-Rib" PVC-U pipe, DN 100/375, Class SN8, RR joint	Vinidex
➤	Steel Pipe	MS Encasing pipe, unlined and uncoated.	Tyco Water
		MS pipe, cement lined and externally coated, FBP Coated - Sintakote Tape Coated - Polyken	Tyco Water
		MS pipe, cement lined and externally coated.	Tyco Water
➤	VC Pipe	"Unisleve" VC pipe system, DN 150, plain ended pipe, couplings, RR joint	Austral Pipes Aust

Pipeline System Pressure

➤	Ductile Iron Pipe	Tyton 2100 Series TYTONXCEL pipe, cement mortar lining, DN100/750, PN 35	Tyco Water
➤	GRP Pipe	GRP pipe, DN300 to DN1200, PN 16, SN 10000	Fibrelogic Pipe Systems
➤	PE Pipe	HDPE pipe, DN40/160, PE80C & PE100, MDPE PE80B, PN 12.5	Industrial Pipe Systems Iplex Pipelines Vinidex

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System	Product Type	Description	Manufacturer
➤	PVC-M Pipe	Blue Rhino PVC-M pipe, DN 100/375 (Series 1), DN 100/450 (Series 2), PN 20. RR joint	Iplex Pipelines
		Hydro PVC-M pipe, DN100/375 (Series 2), RR joint	Vinidex
		Tuf-flo PVC-M pipe, DN100/300 (Series 2), PN12&16, RR joint	Tyco Water
➤	PVC-O Pipe	ApolloBLUE PVC-O pipe, DN 100/300 (Series 2), PN16, RR joint	Iplex Pipelines
		Supermain PVC-O Pipe, DN 100/375 (Series 2) PN12 and 16, RR joint	Vinidex
➤	PVC-U Pipe	Blue Brute PVC-U Pipe, DN 100/375 (Series 2). PN12/20, RR joint	Iplex Pipelines
		Plas-flo PVC-U pipe, DN100/250 (Series 2), PN12/20, RR joint	Tyco Water
		Vinyl Iron PVC-U Pipe, DN 100/375 (Series 2). PN12/20, RR joint	Vinidex
➤	Steel Pipe	MS pipe, Cement lined and externally coated	Tyco Water
		MS pipe, Cement lined and externally coated, FBP Coated - Sintakote Tape Coated - Polyken	Tyco Water

Supplementary Products

➤	Bolt Cap	Cap (use in bolt protection), TYPE - RADOLID, SW. BOLT SIZE -M16,20,24,27,30	Corroseal Coatings
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System	Product Type	Description	Manufacturer
			Denso
➤	Cement	Cement (sulphate resisting)	Adelaide Brighton Blue Circle Southern Queensland Cement
		Compressible membrane	Fosroc Australia
➤	Drainage Pipe	D-Flo DN100, 150, 225, 300 and 375 pipe for drain, waste and ventilation applications in lengths of 3 and 6 metres - Approved Classes SN4, SN6 only	Tyco Water
		Drainage pipe, TYPE - Corrugated Slotted, Stockinette, PVC Stormwater, VC Drainage	Austral Pipes Aust Iplex Pipelines Vinindex
		GRP pipe, SN 5000, DN 300/ 750	Iplex Pipelines
		Ribbed profile, "BlackMAX" pipe, DN 225/600, Class SN8, RR joint, 3m and 6m lengths	Iplex Pipelines
		StormPRO (SN8-black) in 6 metre lengths in nominal diameters DN150, 225, 300, 375, 450, 525, 600, 750, 900	Vinindex
➤	Gasket	Gasket rubber insertion, For use with Flanges. 3 mm thk	Industrial Gaskets and Sealants
➤	Geotextile	Geotextile, 2m*150m & 4m*150m, 4.5m*150m. BIDIM U14, TERRAM 1000 UV	Geofabric Geolab Systems
➤	Paint		

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System	Product Type	Description	Manufacturer
		Paint - road marking, TYPE - GPC-P-41/1 (Govt. Paint Comm. No.). COLOUR - Signal Red (R13), Vivid Yellow (Y13), White, Blue, Green	Anzol Dulux Taubmans Wattyl
➤	Plug	Test plug, 150. Polypropylene. With integral nipple (To fit VC Pipes Only)	Hepworth International
➤	Rubber Ring	Rieber Rubber Ring - for use on PVC-U and PVC-M pressure pipes and PVC-U gravity sewer pipe	Iplex Pipelines
➤	Scour Pipe	PVC-U pipe (for use in scour chambers), DN 100, SN8	Iplex Pipelines Vinidex
➤	Sealing Strip	Sealing strip, Bitumen impregnated Polyurethane Foam. TYPE - COMPRIBAND, WILLSEAL, PRESTITE	CSR Humes Ormonoid Ramset Rocla Pipeline Products
➤	Sleeving	Polethylene sleeving - cream, DN100/ 750. Complete with tape/strap & buckle	Tyco Water
➤	Tape	Tape - identification (non detectable), 100mm*100m. INSCRIPTION - "Caution - Sewer Main buried below"	Hunter Valley Signs
		Tape - metal tracer, 100mm*100m. INSCRIPTION - "Caution - Sewer Main buried below". For use with Plastic Rising Mains	Foster Test Equipment

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System	Product Type	Description	Manufacturer
			Road Signs Tapex
		Tape - sealing, 100mm*10m, 150mm*10m, 225mm*10m. Adhesive mastic impregnated carrier backed with PVC laminate. TYPE - DENSOPOL 60 HT TAPE	Denso
		Tape - sewer junction marking, 100mm*100m. INSCRIPTION "Sewer Junction buried below"	Foster Test Equipment Road Signs Tapex
		Tape (joint coating tape and filler), Rockrap 3000. Serviwrap R30. Polyken 934-50. Tek-Rap tr-280-50.	Corroseal Coatings Denso Prochem P/line Equip Tremco P/line Equip

➤ **VC Joining Sleeve**

Polypropylene sleeve for jointing DN 150 VC pipe
Austral Pipes

➤ **VC Rubber Ring**

Rubber ring seal for jointing DN 150 VC pipe
Austral Pipes

Ventilation

➤ **Ventshaft**

Ventshaft - Educt, DN 100, 225, 300. Galvanised Steel

Taperline Australia

Ventshaft - Educt, DN 100, 225, 300. Heights 6, 9 and 12m. Galvanised Steel

Ingal EPS

Ventshaft - Induct, 100. Cast Iron. With a mica flap-vent

Crevet Pipelines

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