

## South East Water Approved Products List

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<b>Product</b>	<b>Manufacturer</b>	<b>Comments</b>
<b>Aquatec Package Pumping Station</b>	<ul style="list-style-type: none"> <li>• Aquatec</li> </ul>	The use of Aquatec Package Pumping Stations shall be in accordance with WSAA Product Appraisal
<b>Ammeters</b>	<ul style="list-style-type: none"> <li>• Crompton Parkinson</li> <li>• University</li> </ul>	
<b>Cable lugs</b>	<ul style="list-style-type: none"> <li>• Telemecanique DZ5 and AR1</li> </ul>	
<b>Cable tray</b>	<ul style="list-style-type: none"> <li>• Powerlec (Rigid PVC)</li> </ul>	
<b>Control transformer</b>	<ul style="list-style-type: none"> <li>• Sprecher and Schuh</li> <li>• Arlec</li> <li>• Brodribb and Ferguson</li> </ul>	
<b>Contactors</b>	<ul style="list-style-type: none"> <li>• Sprecher and Schuh</li> </ul>	
<b>Cubicle door handles</b>	<ul style="list-style-type: none"> <li>• Lowe and Fletcher</li> </ul>	
<b>Electronic motor protection relay</b>	<ul style="list-style-type: none"> <li>• Sprecher and Schuh</li> </ul>	
<b>Fusegear</b>	<ul style="list-style-type: none"> <li>• English Electric 'Redspot'</li> <li>• Nilsen</li> </ul>	
<b>General Purpose Outlet (GPO)</b>		
<b>Indoor</b>	<ul style="list-style-type: none"> <li>• Clipsal</li> </ul>	

<b>Outdoor (weatherproof)</b>	<ul style="list-style-type: none"> <li>• Clipsal</li> </ul>	
<b>Hour run meter</b>	<ul style="list-style-type: none"> <li>• Siemens</li> <li>• NHP</li> <li>• Crompton Parkinson</li> </ul>	
<b>Indicator lamps</b>	<ul style="list-style-type: none"> <li>• Izumi TW (with LED)</li> <li>• NHP (with LED)</li> </ul>	
<b>Operator interface</b>	<ul style="list-style-type: none"> <li>• Uniop</li> </ul>	
<b>Level sensor</b>	<ul style="list-style-type: none"> <li>• Vega D77 with electronic Protection</li> <li>• Platypus equivalent</li> </ul>	
<b>Level indicator</b>	<ul style="list-style-type: none"> <li>• Uniop</li> </ul>	
<b>Level switch</b>	<ul style="list-style-type: none"> <li>• Flygt</li> <li>• Metaval</li> </ul>	
<b>Level switch junction box</b>	<ul style="list-style-type: none"> <li>• NHP-Fibox</li> <li>• EKHS130T (190x190x130)</li> <li>• IP67 rating</li> </ul>	
<b>Main switch</b>	<ul style="list-style-type: none"> <li>• NHP</li> <li>• Terasaki</li> <li>• Siemens</li> </ul>	
<b>Miniature circuit breaker (MCB)</b>	<ul style="list-style-type: none"> <li>• Terasaki</li> <li>• Westinghouse</li> </ul>	

<b>Motor junction boxes</b>	<ul style="list-style-type: none"> <li>• NHP-Fibox HS 130T(190x190x130)</li> <li>• IP68 rating</li> </ul>	
<b>Moulded-case circuit breaker MCCB</b> <i>Note: (Pump C/B's to have lock 'OFF')</i>	<ul style="list-style-type: none"> <li>• Terasaki</li> <li>• Westinghouse</li> </ul>	
<b>Phase failure relay</b>	<ul style="list-style-type: none"> <li>• Crompton Parkinson 252-PSGW/SBBX-C5-TI-IA 415 L/L</li> </ul>	
<b>Power line filter</b>	<ul style="list-style-type: none"> <li>• Critec LSAC4</li> </ul>	
<b>Programmable logic controller</b>	<ul style="list-style-type: none"> <li>• Kingfisher 2</li> </ul>	
<b>(High level back up system PLC)</b>	<ul style="list-style-type: none"> <li>• Koyo 105</li> </ul>	
<b>Power Transducers</b>	<ul style="list-style-type: none"> <li>• Crompton Parkinson</li> <li>• NHP Geko meter</li> </ul>	
<b>Push Buttons</b>	<ul style="list-style-type: none"> <li>• NHP</li> </ul>	
<b>Remote Telemetry Unit (RTU)</b>	<ul style="list-style-type: none"> <li>• Kingfisher 2.</li> </ul>	
<b>Relays</b>	<ul style="list-style-type: none"> <li>• Izumi</li> <li>• NHP</li> <li>• National (plug in type)</li> </ul>	

<b>Selector switch</b>	<ul style="list-style-type: none"> <li>• Kraus and Naimer 'Blue Line'</li> <li>• HP</li> </ul>	
<b>Soft Starter</b>	<ul style="list-style-type: none"> <li>• Danfoss</li> </ul>	
<b>Surge arrester</b>	<ul style="list-style-type: none"> <li>• Brown Boveri E441</li> </ul>	
<b>Terminals</b>	<ul style="list-style-type: none"> <li>• Klippon SAKR</li> <li>• Phoenix Contacts</li> </ul>	
<b>Thermistor relay</b>	<ul style="list-style-type: none"> <li>• Sprecher and Schuh</li> <li>• Klockner Moeller</li> </ul>	
<b>Thermistor sensor</b>	<ul style="list-style-type: none"> <li>• Sprecher and Schuh</li> </ul>	
<b>Time delay relay</b>	<ul style="list-style-type: none"> <li>• Email Smart Series</li> </ul>	
<b>Variable Speed Drives</b>	<ul style="list-style-type: none"> <li>• Danfoss</li> <li>• Siemens</li> </ul>	
<b>Voltmeter</b>	<ul style="list-style-type: none"> <li>• University</li> <li>• NHP</li> <li>• Crompton Parkinson</li> </ul>	
<b>Wire numbers</b>	<ul style="list-style-type: none"> <li>• Critchley multi-mark</li> </ul>	

<b>Mechanical</b>				
<b>Product</b>	<b>Supplier</b>	<b>Range</b>	<b>Fittings</b>	<b>Comments</b>
<b>Air Valve</b>	• Amiad Aust P/L	DN100	• D-020 Combination Air Valve for Sewage	• Stainless Steel
<b>Non Return Valve</b>	• ITT Flygt	DN80 to DN350	• HDL Ball Check Valve (Type 5087)	•
	• Upwey Group	DN80 to DN600	• Dual Slimline Ball NRV	• Table D normally
<b>Sluice Valve</b>	• Aqua-Gas AV. Pty Ltd	DN80 to DN400	• Series 57 Resilient Seated • Generally 57/40 or 57/46	• Class 16 • CW closing • Fusion Bonded Epoxy coating
	• Tyco	DN80 to DN600	• Series 400 Resilient Seated	• Class 16 • CW closing • Rilsan Nylon coating
	• Crevet Pipelines	DN100 to DN300mm	• Norcast series	• Class 16 • CW closing • Nylon coating or FBE

<b>Civil</b>				
<b>Product</b>	<b>Supplier</b>	<b>Range</b>	<b>Fittings</b>	<b>Comments</b>
<b>Covers</b>	<ul style="list-style-type: none"> <li>• Webforge</li> <li>• Gatic</li> </ul>	Multipart	•	<ul style="list-style-type: none"> <li>• Solid Top DI only</li> <li>• Interchangeable</li> <li>• Class B &amp; D</li> </ul>
	<ul style="list-style-type: none"> <li>• 'us' – Utility Services</li> </ul>		•	<ul style="list-style-type: none"> <li>• Easylift covers</li> <li>• Spring loaded, hinged cover</li> <li>• Includes fall arrestor and grated doors</li> </ul>
<b>Pipes</b>				
<b>DI Pipe</b>	<ul style="list-style-type: none"> <li>• Tyco</li> </ul>	DN100 to DN375	•	<ul style="list-style-type: none"> <li>• Pressure Class K9</li> </ul>
<b>PE Plain Wall</b>	<ul style="list-style-type: none"> <li>• Crevet Pipelines Pty Ltd</li> </ul>	DN125,180,280,355,450	• Pipe and Fittings colour black.	<ul style="list-style-type: none"> <li>• Minimum Pressure Class PN16 for internal pipework</li> <li>• Minimum Pressure Class PN12.5 for external RSM</li> </ul>
	<ul style="list-style-type: none"> <li>• Iplex Pipelines</li> </ul>	DN125,180,280,355,450	• Pipe and Fittings colour black.	
	<ul style="list-style-type: none"> <li>• Vinidex Pty Ltd</li> </ul>	DN125,180,280,355,450	• Pipe and Fittings colour black.	
<b>PVC-O</b>	<ul style="list-style-type: none"> <li>• Vinidex</li> </ul>	DN100 to DN375	• Soc – Soc joiners for DN100-DN225, DN250-DN375 have integral sockets (Soc-Spig) RRJ	<ul style="list-style-type: none"> <li>• Minimum Pipe Class PN 12 for RSM</li> <li>• Series 1</li> <li>• Pipe length 6m</li> <li>• Colour beige</li> </ul>
	<ul style="list-style-type: none"> <li>• Iplex</li> </ul>	DN100 & DN150	<ul style="list-style-type: none"> <li>• Socket–Spigot RRJ</li> <li>• Max' 1° deflection through sockets</li> </ul>	

<b>PVC-M</b>	• Iplex	DN100 to DN450	• RRJ only	<ul style="list-style-type: none"> <li>• Minimum Pipe Class PN 12 for RSM</li> <li>• Series 1</li> <li>• Colour beige</li> </ul>
	• Vinidex	DN100 to DN375	• RRJ is a non-deflection joint	
	• Key Plastics	DN100 to DN300	• RRJ is a non deflection joint	
	• Tyco	DN100 to DN450	• RRJ	
<b>PVC-U</b>	• Iplex			<ul style="list-style-type: none"> <li>• Minimum Pipe Class PN 12 for RSM</li> <li>• Series 1</li> <li>• Colour beige</li> </ul>
	• Vinidex			
	• Key Plastics			
	• Tyco	DN100 to DN250	RRJ	