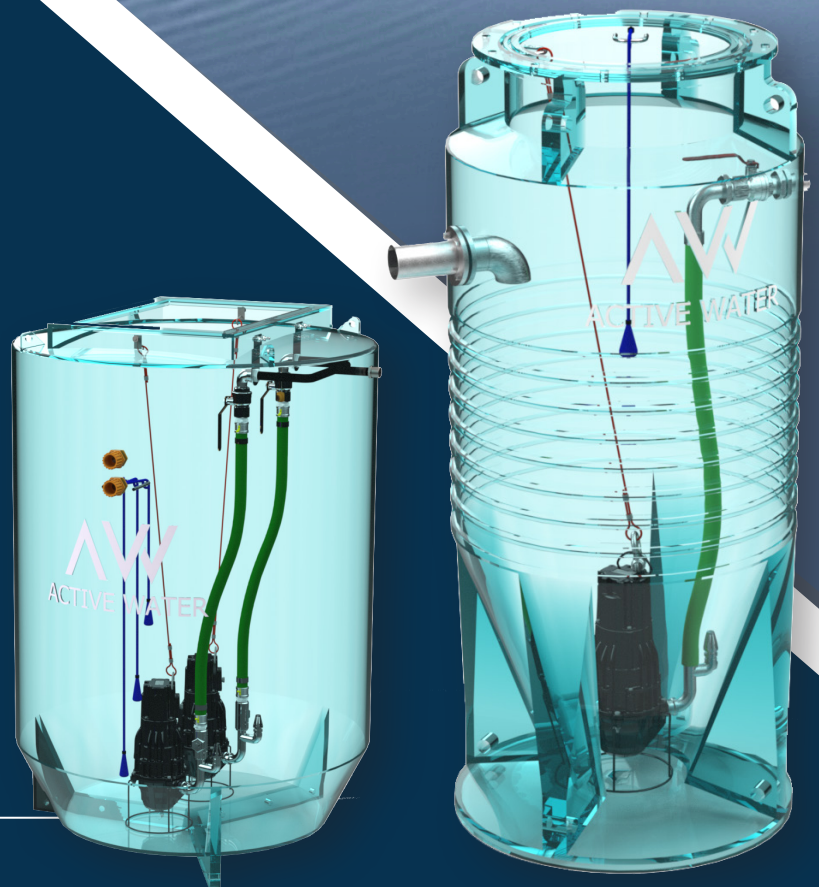




beckwater



# PRESSURE SEWER SYSTEMS





## Who **We Are**

Beck Water is Australia's premier partner for pressure sewer, submersible grinder pumps and stormwater sump pumps.

At Beck Water, we understand that reliability is the key component to any waste water network. For this reason, we have chosen to partner with Zoeller who innovators in the grinder and low pressure sewer markets. Together we have worked to put together a comprehensive range of products to suit all small and low pressure sewer pump station applications.

We'd love to hear from you for on your next project, your problem pump station, your new pump station, or just pump replacement.

“ Exclusive distributor of the Zoeller range of wastewater pumps. Zoeller are a market leader in wastewater pumping technology

# Engineering & Support

## Engineering

Beck Water partners with you to provide full engineering support from system design to installation. We have over 80+ years experienced in wastewater technologies and understand the complete process from the network collection through to treatment. Beck Water will listen to your needs and provide expert advice and plans to achieve results.

## Support

With a team of water experts, Beck Water understand the importance of after market support. Therefore we stock our pumps and hold spare parts because we know if it is an emergency, you need the parts now. We also provide technical support and training with the technical support line and Zoeller University. Beck Water also provides online calculators for flow, head, and pump selections to assist in you in your project.



# Model 7021 Pump

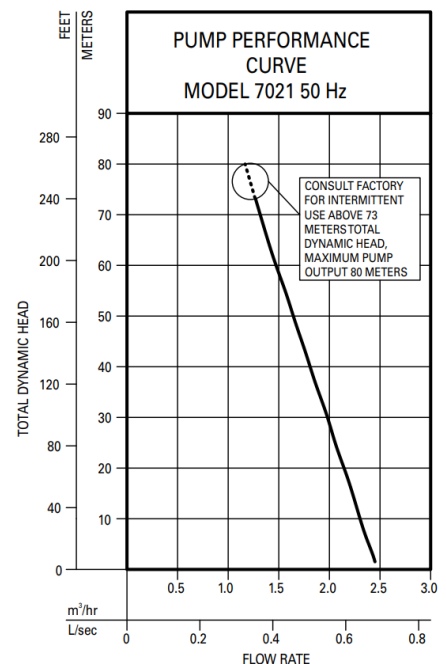
Introducing the most serviceable and reliable progressive cavity pump in Pressure Sewer, the Zoeller Model 7021. First released in 2006 and over 7,500+ installed worldwide, this pump has the largest performance envelope to give more design flexibility. Fully compliant to NSF 46, RCM approved and featuring innovative axial cutter plate, a hydraulic rotor deflector and a pressure relief valve the Model 7021 will be the work horse of any Pressure Sewer Network.



- ✓ Oil filled motor, runs cooler and extended life
- ✓ Superior axial cutting blade and plate
- ✓ Longer seal life with ZP deflector plate
- ✓ RCM and NSF certified
- ✓ Increased reliability to reduce service costs



		Material
PUMP	Pump Housing	Cast iron
	Impeller	Stainless steel
	Shaft Seal	Carbon and ceramic
	Seal	Neoprene
	Bearings	High carbon chrome steel
	Power Cord	SOW/SOOW (CE model H07RN-F)
		Design Features
MOTOR	Impeller	Helical
	Bearings	Ball bearing upper/lower
	Power Cord Length	10m (33') standard
	Motor Housing	Cast iron
	Type	Permanent split capacitor
	RPM	1400
	Rotor	AISI 416 stainless steel
	Insulation Class	B
	Motor Protection	Auto reset thermal overload (1Ph)
	Protection Class	IP68
Cooling	Oil filled	
<b>Maximum Fluid Temperature</b>		40°C (104°F)
<b>Discharge Size</b>		1-1/4" NPT
<b>Max. Submersion Depth</b>		6m (20')
<b>Hardware</b>		Stainless steel
<b>Cutter/Cutter Plate</b>		440C Stainless steel/RockWell C 55-60



# Model 2812 Pump

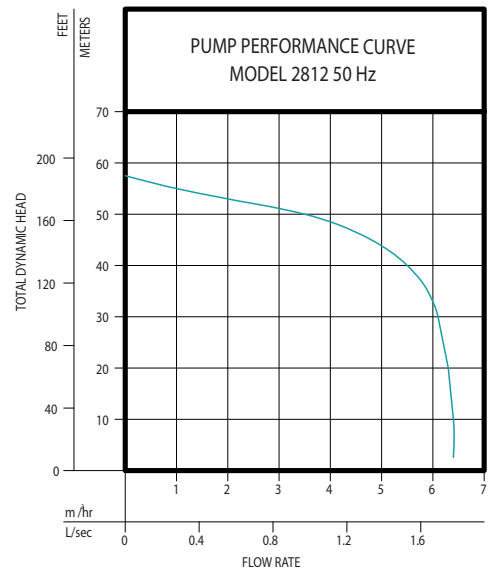
For situations with more flow Beck Water has the solution with the Zoeller model 2812 dual stage macerator pump. Fully certified with RCM and NSF46 certification this pump also comes in a three phase options. The model 2812 comes with a rockwell hardened radial cutter for superior cutting.



- ✓ Higher flows, more design flexibility
- ✓ RCM and NSF certified
- ✓ 2 stage semi open impeller
- ✓ Runs cooler, longer life
- ✓ Rockwell hardened c55 – 60



PUMP		Material
	Pump Housing	Cast iron
	Impeller	Standard Ductile Iron
	Shaft Seal	Silicon Carbide
	Seal	Neoprene
	Bearings	High Carbon chrome steel
	Power Cord	H07RN – F
PUMP		Design Features
	Impeller	Semi Open
	Bearings	Upper and Lower
	Power Cord Length	10m (33') standard
MOTOR		
	Motor Housing	Cast iron
	Type	Permanent split capacitor
	RPM	2850
	Motor Shaft	SS410
	Insulation Class	NEMA B
	Motor Protection	Thermal overload protection
	Protection Class	IP68
	Cooling	Oil filled
	<b>Maximum Fluid Temperature</b>	40°C continuous / 60°C intermittent
	<b>Discharge Size</b>	1-1/4" BSP
	<b>Max. Submersion Depth</b>	6m (20')
	<b>Hardware</b>	Stainless steel
	<b>Cutter/Cutter Plate</b>	440C Stainless steel/RockWell C 55-60



# Beck Water Tanks

Beck Water has the most comprehensive underground tank range on the market. Fully certified to AS/NZS 1546.1 and has NSW health approval we deliver on providing the right underground tanks for your project. Our tanks are easy transported and suitable for all groundwater condition. We can also offer all classes of lids and can work to provide design advice on the network. The Beck Water package comes ready to be installed in the ground.

- ✓ Easy to transport
- ✓ Suitable for vehicle loading
- ✓ Can be installed in groundwater
- ✓ Infinite variation on inlet and outlet levels
- ✓ More economical than fiberglass and concrete tanks



AS/NZS 1546.1:2008

ISO 9001:2015

## Dimensions

Nominal volume litres	Diameter mm	Nominal depth mm	Model	Access cover mm	Weight kgs
250	615	960	2154	690 x 690	19
320		1220	2155	in 615 tank	23
450	670	1410	2161	615 diameter	30
590	800	1260	2162	615 diameter	33
1050	850	2160	2156	615 diameter	70
950		1440	2152R 2152S	615 diameter 600 x 600	60
1050	1000	1600	2153/10R	615 diameter	66
			2153/10S	600 x 600	
1460		2100	2153/14R 2153/14S	615 diameter 600 x 600	97
2180		3150	2153/21R 2153/21S	615 diameter 600 x 600	178

\*Excluding lid

# ClevaControl

Beck Water would like to introduce the ClevaControl specially for Pressure Sewer networks. The ClevaControl is flexible enough for the individual house owner to large scale utility grade networks. We have designed the ClevaControl from years of experience in the fields of network design and operation, this controller will give you the overall monitoring you need to optimize the network and increase the life of your asset.

## Network Optimization

The ClevaControl increases the efficiency within the network with little-to-no off-peak times within the system, meaning smaller pipe sizes in the network design. ClevaControl can also work to reduce high operating costs of a network as its functionality is designed for the below conditions.

- ✓ Pumps seizing from long periods from non-use
- ✓ Unreliable level controls
- ✓ Rising main blockages
- ✓ Unregular flows to treatment plant
- ✓ Storm events and power outages
- ✓ Lack of alarm notifications
- ✓ No visibility of network
- ✓ Long repair times for pumps
- ✓ Customer complaints

The ClevaControl system works in unison with the Zoeller pressure sewer package but is suitable for other pressure sewer pumps and can retro fit into an existing network. Move away from your traditional equipment and discover the benefits of using a market leading partner.



## Features:

- ✓ Alarms – High level, Pump fail to start, high current, under current
- ✓ Anti-Seize function
- ✓ Communications
- ✓ Scouring function
- ✓ Manual mode
- ✓ Audible and visual alarms
- ✓ Modbus, DNP3, SMS
- ✓ Data logging

Specification	Simplex	Duplex
Rated Voltage	230-240V AC	
Rated Frequency	Single phase, 50-60Hz	
Circuit breakers	4A Control, 16A Pump	
Fault Current Rating	6kA	
Pump Type	Zoeller 7021 & 2812, Single phase, 230-240V, 50-Hz	
IP Rating	IP56 (outdoor use)	
Mounting Type	Wall or post	
Operating Temp	-20°C – 60°C	
Size	355×402.5×197.5mm (W×H×D)	
Weight	4.7kg	5.2kg
EMC Emissions	C-Tick	
Electrical Safety	AS3000	




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[www.beckwater.com](http://www.beckwater.com)

## Service and Warehousing



 Gold Coast

 Sydney

 Melbourne