



**7 THINGS TO
KNOW BEFORE
BUYING A
PUMP STATION**

7 THINGS TO KNOW BEFORE BUYING A PUMP STATION

1. APPLICATION – The type of fluid being pumped

What are you pumping sewer stormwater

Is it domestic commercial

2. FLOW – The flow rate that has been specified for the project

Flow rate =

If flow is unknown for sewer, what are the maximum number of people using the facility.....

If flow is unknown for stormwater, what is the catchment area in m² and the maximum discharge flow rate specified by your local council.....

3. PIPE WORK – The rising main required to discharge point

What is the height difference between the pump station and the discharge point?
.....

What is the length of the rising main from the pump station to the discharge point?
.....

What type of pipe will you be using? HDPE uPVC

What is the diameter of the rising main if specified?.....

4. CHAMBER – The wet well for the pumps and fluid

Is there a specified chamber capacity?.....

What depth is the inlet entering the pump station?.....

5. PUMPS – The quantity of pumps and configuration

Has the pump station been specified as a dual pump or single pump system?

How far away is the power source from the pump stations.....

Pumps and float switches come with standard 10m power cables, do you need cable extensions? Yes No

For stormwater applications, does each pump need to be capable of the specified flow rate (duty / standby)?

Or will two pumps running simultaneously to achieve the specified flow rate (duty / assist)?

For sewer applications, is one or two pumps required? (Sewer applications cannot have duty / assist configuration) 1 2

6. COVER – The type of cover or grate required for the pump station

For stormwater applications, what type of cover or grate will you need? This will be dependent on the type of traffic the pump station will need to withstand.

Cover and grate options:

- Aluminium cover or light duty galvanised grate, for pedestrian traffic only
- Class B cast iron cover or galvanised grate, for occasional light vehicle traffic
- Class D cast iron cover or galvanised grate, for frequent vehicle traffic including light tracks.

For sewer applications, what type of cover will you need? This will be dependent on the type of traffic the pump station will need to withstand.

Cover options:

- Aluminium cover, for pedestrian traffic only
- Class B cast iron cover, for occasional light vehicle traffic
- Class D cast iron cover, for frequent vehicle traffic including light tracks

7. CONTROLS – The controller or monitor panel required

It is recommended to use a controller or monitor panel with your pump station, will you need one?

Options:

- Monitor panel – used with single pump 1-phase pump systems and only monitors high liquid level in the pump station with an audible and visual alarm with external monitoring capabilities e.g. integration with building management systems
- Control panel – used for any dual pump system in 1 or 3-phase or single pump 3-phase systems, this controls the power to the pump/s, pump operation via floats switched for on/off levels, high level audible and visual alarm with external monitoring capabilities e.g. integration with building management systems

CONTACT A SPECIALIST

WITH OVER 40 YEARS' EXPERIENCE, YOU'RE IN SAFE HANDS

Global Water's technical expertise offers ground-breaking technology in complete, turn-key solutions in stormwater, wastewater and water pumping and treatment. Our team have over 40 years' experience, working closely with clients to establish expectations and develop a complete pump station solution - offering the greatest efficiency and lowest operational costs.

If you have an enquiry, or are looking to solve a tough challenge, contact our team of experts. We have a wide range of quality, reliable pump stations suitable for a variety of tough applications.

 1300 1 GLOBAL

 sales@globalwatergroup.com.au

 globalwatergroup.com.au

