

Install Guide

Installation

Install sump. Connect and seal outlet plumbing.

Working away from the outlet, utilise mortar/site concrete to haunch the channel into position preventing movement prior to concrete pour.

Ensure correct lines using a string line or similar.

It is important to support the channel from the weight of the setting concrete by having either the original grates, or appropriate bracing in place.

Protect grates from concrete contamination during installation by wrapping in plastic or masking tape. Alternatively, wooden sections (such as bracing) may be used.

Make sure concrete is poured evenly to avoid shifting during the process.

Please note: acid from exposed aggregate and bitumen may cause corrosion of grates. Steps should be taken to protect grates during installation and ensure ground surface finishes are free of acidic runoff prior to grate installation.

Cutting PC Channel & Grate

On site mitre cuts are used to form corners, junctions and irregular lengths.

Channels are cut with a diamond tip saw, grates are best cut with a grinder and suitable disc.

While mitred grates can be used, it is not suggested for heavy loads - in this case, tee joints are the better option.

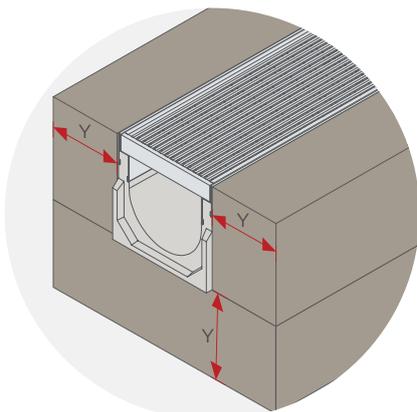
Pipe holes are best cut using an appropriately sized diamond tip hole saw - do not hammer directly onto material - damage to the channel may occur.

Joints can be sealed with suitable flexible sealant.

Minimum Concrete Surround Dimensions

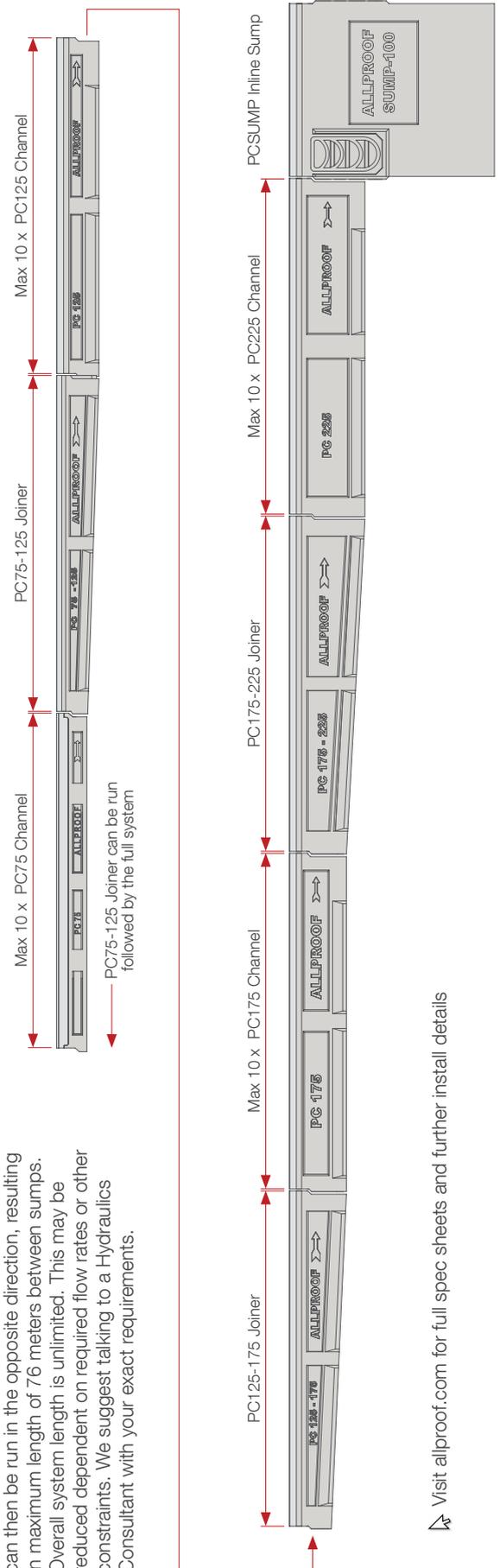
Load Class	Y
A-B	100mm
C	150mm
D	200mm
E	250mm

Some applications may require an increase in these dimensions and reinforcement. Engineering advice is advised, and it is the customers responsibility to ensure correct design of the installation.



The System

The system design accommodates runs of up to 43 meters, terminating at a sump. A mirror image can then be run in the opposite direction, resulting in maximum length of 76 meters between sumps. Overall system length is unlimited. This may be reduced dependent on required flow rates or other constraints. We suggest talking to a Hydraulics Consultant with your exact requirements.



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