

The GRUB

Grinder Residential Underground Basin

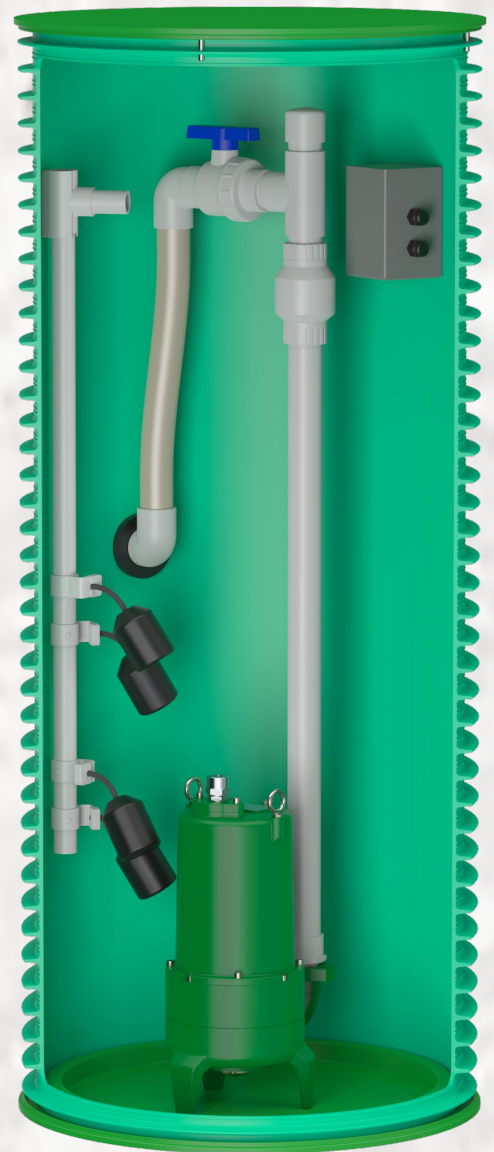
Part Selection Guide

AFS GRUB's are designed to be easy to select and install.

To select the right grinder for your application, one will need to determine:

- The inlet depth, in feet
- The total system rise and run, in feet
- Control type

This document will walk you through the selection process.



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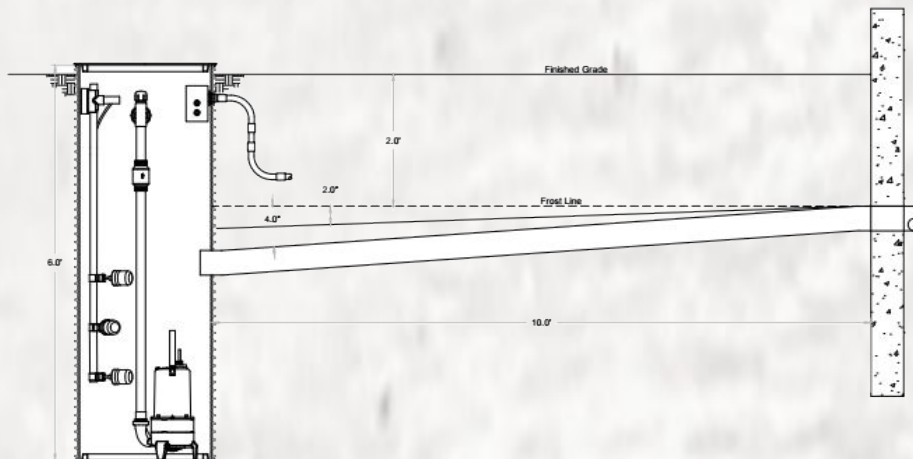


Step 1: Determine Inlet Depth

To determine basin inlet depth, first consider the following two factors:

Frost Line (where applicable) - the maximum depth of ground below which the soil does not freeze in winter.

Minimum Slope - Defined by local sewer code; usually 2% grade or $\frac{1}{4}$ " per foot.



Record the required measurements below:

_____ Record the minimum slope in either % slope or inches per foot

_____ Record the sewer outlet depth (from building)

_____ Record the distance between the basin and the sewage outlet, in feet

If the slope has been recorded in % slope: multiply the distance (in inches) by the slope. e.g. 2% slope 10 feet away is $0.02 * 120" = 2.4"$

If the slope has been recorded in inches drop per foot multiply by the distance. e.g. $\frac{1}{4}"/\text{foot} * 10 \text{ ft} = 2.5"$

Add this figure to the depth of the sewer outlet and round to the next whole number. e.g. $2' + 2.5"$ is rounded to 3'

Step 3: Selecting the Systems Controls

The standard basin is shipped with a CSI Controls Power Zone control panel with a redundant off.

An alarm panel and an automatic pump is also an option. In lieu of a control panel.

Note: It is considered best practice to provide a separate control circuit.

Installing this panel on walls opposite living areas is not recommended. Due to the noise of the mechanical contactor.



Final Step: Part Number Selection

AFSGRB

Inlet Depth (ft.)

2 = 2' (5' Basin)

3 = 3' (6' Basin)

4 = 4' (7' Basin)

5 = 5' (8' Basin)

Pump Selection

1 = 1HP VR1 115V

2 = 2HP VR2 230V

Control Option

AO = Alarm Only

Leave blank for standard control panel.