

WEIGHED ADMIXTURE

Part Number: 23823

DESCRIPTION:

While most admixtures in the US are delivered through a meter/bottle system, other countries and some US companies use a scale to measure the amount of an admixture. The Weighted Admixture option provides the components necessary to weigh and discharge an admixture using a weigh scale.

The physical scale is usually relatively small, resembling a large bucket, often with dividers inside to allow admixtures to be weighed consecutively but prevented from mixing together. Other configurations may use separate vessels for each admixture.

OPERATION:

Automatic

- The feeding of the admixture is controlled by the batching system. The valve to control the fill of the admixture can use 24V, 110V, or 220V.
- The batching system determines the feed target weight of the admixture based on the quantity in the mix design. Before the first admixture enters the scale, the batching system ensures that the scale is empty then fills the scale to the required amount. If other admixtures are needed, they are introduced into the scale in sequence. The batching system then empties the scale at the proper time, which introduces the admixture(s) into the truck.
- In some cases, a small amount of water is introduced into the scale to rinse out remaining admixture. This water is then emptied into the truck.

Manual

- The operator presses a button on the Manual Station to feed the admixture into the scale. The weight of the admixture in the scale is displayed on the Manual Station. Once the proper amount has been weighed up, the operator presses the scale 'discharge' button which opens a valve (or valves) on the scale, allowing the scale to empty.

SYSTEM REQUIREMENTS:

- A supported version of the batch control software.
- 1 Output module for each admixture device that feeds into the admix scale.
- 1 E-Z Cal Scale Interface module for the admix scale.
- 1 Input module for the admix scale closed limit switch.
- 1 or more Output modules for the scale discharge valve(s).
- (Optional) 1 Output module for water flush.

IMPLEMENTATION:

- Wire the admixture control valves to the J-Box.
- Set the grad size of the admixture scale in the batching system.
- Calibrate the E-Z Cal.

- Assign a bin to each admixture feed in the batching system and specify a destination scale.
- Enter/modify Sequences in the batching system to control the feeding and discharge of materials.

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