

CLASSIFYING TANK CONTROLS

DIGITAL DIALSPLIT | MARK X



A McLanahan
Company

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DIGITAL DIALSPLIT

The Digital DIALSPLIT is the latest base control system for Sand Classifying Tanks, and it can be integrated with most brands of Classifying Tanks. It allows you to control your operation with percentage-type settings, making for quick and easy product control. The advanced memory system allows you to save up to 12 recipes to reference at any time.

Equipped with the Allen Bradley CompactLogix PLC, remote support has never been easier. The standard remote support module allows control of the Digital DIALSPLIT from anywhere in the world. Along with controls and adjustments, station activity monitoring is also available in the palm of your hand via a phone or tablet. The Digital DIALSPLIT system also features tank clean-out options.

How It Works With a Classifying Tank

The Digital DIALSPLIT control is simple to understand and operate. Each Classifying Tank's settling stations has two, three or four valves and a sensing paddle. When the sensing paddle stalls, it signals the Digital DIALSPLIT which valves to open. The percent setting at each valve station is determined by the pit and valve station gradation required to meet a typical construction sand's product specifications. Once you set the correct percent settings, the system will continue to dispense sand in the selected proportions.

The number of valves per station in a Classifying Tank is determined by the number of cells in the collecting flume of the Classifying Tank. Each cell can produce a controlled product, with one cell yielding a residual product. For example, a three-cell tank would produce two controlled products and one residual product.

FEATURES

- All electronic components are protected by a Nema 4 rated enclosure for added protection
- System can be repaired on site
- Remote monitoring allows for easy troubleshooting and diagnoses
- eWon VPN router - Ethernet connection is standard
- Industrial IoT connectivity
- VNC server for remote PC access/control
- An optional cellular device for remotely connecting to the PLC is available if desired

A Digital DIALSPLIT System can be provided to replace the outdated analog/mechanical DIALSPLIT or AutoSpec systems still in service.

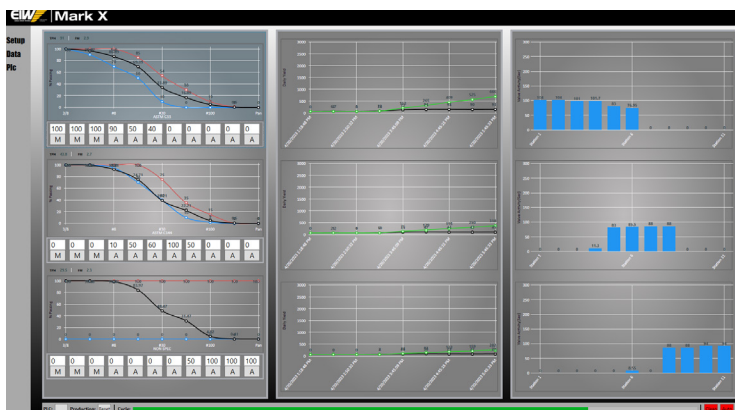




MARK X CONTROL SYSTEM

The Mark X Sand Reblending Software is an add-on feature to the Digital DIALSPLIT base system. It is the ultimate in sand rebinding systems, keeping typical construction sand products in-spec, while having a computer do the calculations. Mark X does all the work to keep products within the specification, even when the feed changes. It has been designed and field-tested by a team of software engineers to ensure productivity is maximized.

Mark X provides a fully automated method to optimize sand production. By telling the computer what two spec products you want to produce, it performs the complex calculations necessary to achieve the desired results. By periodically updating the software with your product pile quality control gradation data, the tank's station percentages automatically adjust accordingly, permitting tight tolerances for typical construction sand specifications.



The computer screen's display constantly updates to show the in-spec product as it hits the stockpile.

FEATURES

Enhanced Tank Configuration

- Runs single or multiple tanks
- 7-11 stations per tank
- 2-3 valves per station

PC Screens

- Intuitive commands
- All needed information readily available
- Real time valve status indicators

Production Tracking

Remote Support

Auto/Manual Valve Control

- Allows manual valve control
- Allows manual valve percentage input
- Simply tap the valve to open it

Stockpile Calibration

- Improves accuracy
- Simplifies calibration process

Can Adapt to Multiple Feed Locations

Options

- Remote monitoring with additional hardware



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