

Simple, Effective Control For Small Conveying Systems

Conair's SmartFLX mini is sized perfectly for a processor who wants current control technology, that's simple to use for small localized central conveying systems. When your process is in that size range where central material distribution system makes sense, but you don't need the full capability and scale of a SmartFLX system, the SmartFLX mini is the tool you need.

The SmartFLX mini combines the flexibility of a modular conveying control platform, with the field-proven, industrial-grade control components, and the Conair common control platform. Common Control means that the SmartFLX mini creates the familiar user experience that your operators are accustomed to with their other auxiliary equipment – from Thermolators (TCUs) to resin dryers, to blenders, and more.



SmartFLX mini

Operate up to 12 loaders and 3 pumps, economically

A 7-inch touch screen control includes all the user experience features that operators appreciate. "Contextual help mode" explains the function of each button and setting on the screen, providing an on-screen operator tutorial to eliminate accidental setting changes, while inspiring confidence to even the most novice staff. The control is not only easy to use, but is also quickly responsive. In fact, the SmartFLX mini is 6000 times faster than the original FLX-128 conveying control.

Even though this is a basic conveying system control system designed for smaller plastic processing plants, SmartFLX mini still offers the security and technology to utilize the best control logic available today.

Take advantage of features like: FIFO priority loading, load and hold, keystroke logging, multi-source/multi-destination conveying, ratio loading, and fill sensor operation, purge and pocket valve operation, VNC remote connection, SmartServices ready, multiple password levels, and multiple languages.

A compact enclosure that is fully loaded to support up to 12 receivers, 12 valves, 12 fill sensors, and 3 pumps. *Not intended for positive discharge, Wave Conveying™, Conveying Optimizer™, or RSS with RFID.

▶ Easy to understand

The SmartFLX mini uses graphics and icons, with contextual help screens and multiple available languages. This system is a simple-to-learn conveying control, for a small plastics processing plant. A 7-inch touch screen HMI shows up to 8 devices on the screen at one time.

▶ Easy to configure

The predefined IO will allow for each receiver to be configured as a standard receiver, a multi-source receiver (e.g., granulation network), or as a ratio receiver. Each source can be configured as a pocket valve, purge valve, or as a granulation device / common line valve. The pumps include control for idle mode operation and dust collector control.

▶ Small but powerful and economic

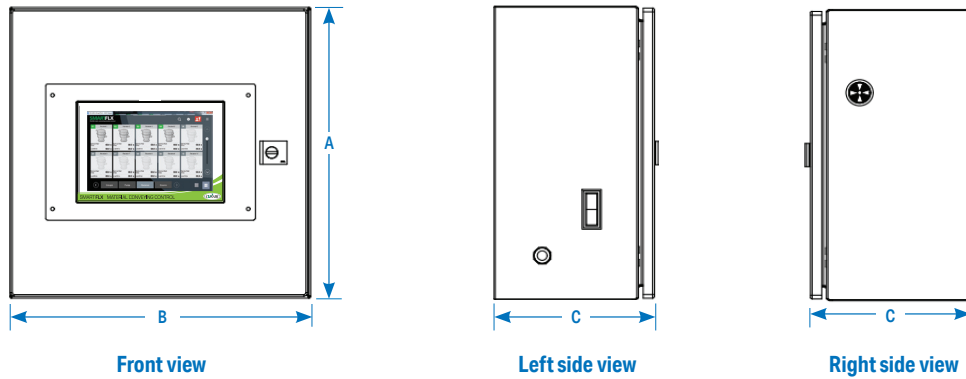
This mini control is a really big deal! Control logic previously only available for larger systems is now available for systems under 12 receivers, with up to 3 vacuum pumps. This allows processors to utilize central conveying without breaking the bank.

▶ Standard central conveying functionality

Take advantage of available central conveying features for pumps (idle mode, dust collector control), sources (pocket valve, purge valve, granulation evacuation, common line valve), and even multi-source receivers or ratio receivers. Priority loading, load and hold, keystroke logging, fill sensor operation, multiple password levels, and multiple languages are available as standard, with the SmartFLX mini.



Specifications



Model	SmartFLX mini
Performance characteristics	
Maximum number of vacuum receivers	up to 12
Maximum number of vacuum pumps	up to 3
Programmable Logic Controller:	
Main control panel	X20CP1684 PLC CPU with 400Mhz Atom processor with L1 and L2 cache, 512 MB LPDDR SDRAM and 1 GB flash memory.
Remote I/O	PLC racks in remote panels on a PowerLink network
Operator interface	7-inch touch screen
Output voltage to receivers/valves	24 VDC
Input voltage to receivers	24 VDC
Output voltage to pumps	24 VDC
Power Requirement	120/1/60 at 2.2 amps
Input/Output Capabilities (maximum possible in a system)	
Panels	1
Receivers	up to 12
Pumps	up to 3
Valves	up to 12
Fill sensors	up to 12
Enclosure Dimensions inches {mm}	
A - Height	16 {406}
B - Width	16 {406}
C - Depth	8 {203}
Approximate weight lb {kg}	
Installed	30 {14}
Shipping	45 {20}

Application Note

SmartFLX mini is not intended for Positive Discharge, Wave Conveying, Conveying Optimizer, RSS with RFID.

Specifications may change without notice. Consult a Conair representative for the most current information.