

# ICS 180c AUTOMATED LOADOUT CONTROL PANEL

24 Raw Materials • Touchscreen Controls • ICS ControlPro Compatible • Fertilizer, Chemical & Repackaging

## MANAGE UP TO 24 RAW MATERIALS

Automate up to 24 raw materials. Define the amounts, press start, & the products will be dispensed according to the configured product sequence. Manage up to 46 outputs (pumps and valves) plus up to 4 high-speed & 12 standard meters with the intuitive user interface.

## USER-FRIENDLY SETUP & CONFIGURATION

Experience refreshingly user-friendly operation. Define products, input names, and output names. Determine product sequencing, set the air purge timer & more!

## BUILT-IN SECURITY

The ICS 180c is designed to handle real-world eventualities. Large start & stop buttons, accessible remotely, can quickly begin or end processes. When meter signal loss occurs, loads stop, preventing pump damage. The panel has full key-switch protected manual backup controls & remotely accessible software for real-time support in case of software issues.

## INTELLIGENT LOAD ACCURACY

The ICS 180c intelligently adjusts to your equipment to compensate for overruns. Over time, this increases load accuracy improving customer service & product margins. Compensation can also be adjusted manually.

## ENGINEERED FOR MULTIPLE CONFIGURATIONS

A variety of plumbing scenarios including bulk chemical dispensing, fertilizer loadout with chemical injection and repackaging can be automated. Send products to up to 2 loadout points (top or bottom fill) and a tote repackaging area. Additionally, 6 independent auxiliary switches provide for added manual functionality.

## FIELD-PROVEN DESIGN

The 15" sunlight readable color touchscreen, industrial rated controls, and NEMA 4x enclosure is engineered to stand up to tough environments

## TURN-KEY SOLUTION

Despite the compact design, this powerful panel can handle complex automation & prints full size bills-of-lading to inkjet or laser printers with ICS ControlPro.

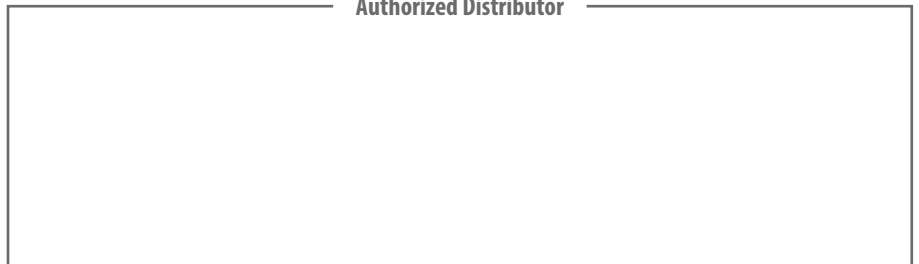
## OPTIONAL 3RD PARTY INTEGRATION

Connect to ICS ControlPro to take your automation to the next level. Send & Receive Order Information from agronomy software including AgVance, AGRIS, AgVantage, AgWorks, Oakland, etc.



(800) 348-4753 | www.MurrayEquipment.com

Authorized Distributor



# ICS SERIES PANEL LINE-UP



	ICS 120c	ICS 180c	ICS 240c	ICS 360	ICS 24-7-8
<b>RAW MATERIALS</b>					
Configurable Raw Materials	Up to 12	Up to 24	Up to 70 (20 Fertilizers, 30 Chemicals, and 20 Totes/Premix)	Up to 72 Standard Expandable	Up to 20
Available Outputs (Valves & Pumps)	Up to 25	Up to 46	64 Standard Up to 160 with Expansions	96 Standard Up to 240 with Expansions	8 Standard Up to 56 with Expansions
Meter Inputs Included	2 High Speed; 12 Standard	4 High Speed; 12 Standard	4 High Speed; 32 Standard	4 High Speed; 32 Standard	4 High Speed; 12 Standard
User Configurable	Yes	Custom	Yes	Custom	Custom
<b>PLUMBING CONFIGURATIONS</b>					
No of Loadout Points	2 (Top or Bottom Fill)	2 (Top or Bottom Fill)	4 (Top or Bottom Fill)	6 (Top or Bottom Fill)	2 (Top or Bottom Fill)
No of Loadout Points Simultaneously	1	2	2	3	2
Premix Tanks	No	Yes	Yes, 16 Raw Materials	Yes, 24 Raw Materials	No
Hand-Adds	Yes	Yes	Yes	Yes	No
Repackaging	Yes	Yes	Yes	Yes	No
Independent Auxiliary Switches	4	4	6	6	0
<b>SOFTWARE</b>					
Touchscreen Interface	Yes	Yes	Yes	With Compatible Monitor	Yes
User-Defined Parameters	Names, Sequencing, Air Purge Timer	Names, Sequencing, Air Purge Timer	Names, Sequencing, Air Purge Timer	Names, Sequencing, Air Purge Timer	Names, Sequencing, Air Purge Timer
Delivery Tickets	Print Full Size	Through ICS ControlPro	Through ICS ControlPro	Through ICS ControlPro	Print Slip & Full Size
ICS ControlPro Compatible	Yes	Yes	Yes	Yes	Yes
Unattended	No	No	No	No	Yes
<b>SECURITY</b>					
Key-Switch Protected Manual Backup Controls	Yes	Yes	Yes	Yes	Yes
Pump Protection	Yes	Yes	Yes	Yes	Yes
Remote Support	With Internet Connection	With Internet Connection	With Internet Connection	With Internet Connection	With Internet Connection

## ICS ControlPro

Looking to achieve even more efficiency and productivity? Then, consider ICS ControlPro.

### BATCHING & RECIPE CALCULATION

Easily produce loads according to complex recipes through batching.

### IMPROVED DELIVERY TICKET MANAGEMENT

Generate customer-specific tickets. Store ticket and load information history for auditing and improved control.

### 3RD PARTY INTEGRATION

Send and receive orders, recipes, and delivery information to your agronomy software including AgVance, AGRIS, AgVantage, AgWorks, Oakland, etc.

