GLCPS HMI
OPERATIONS GUIDE
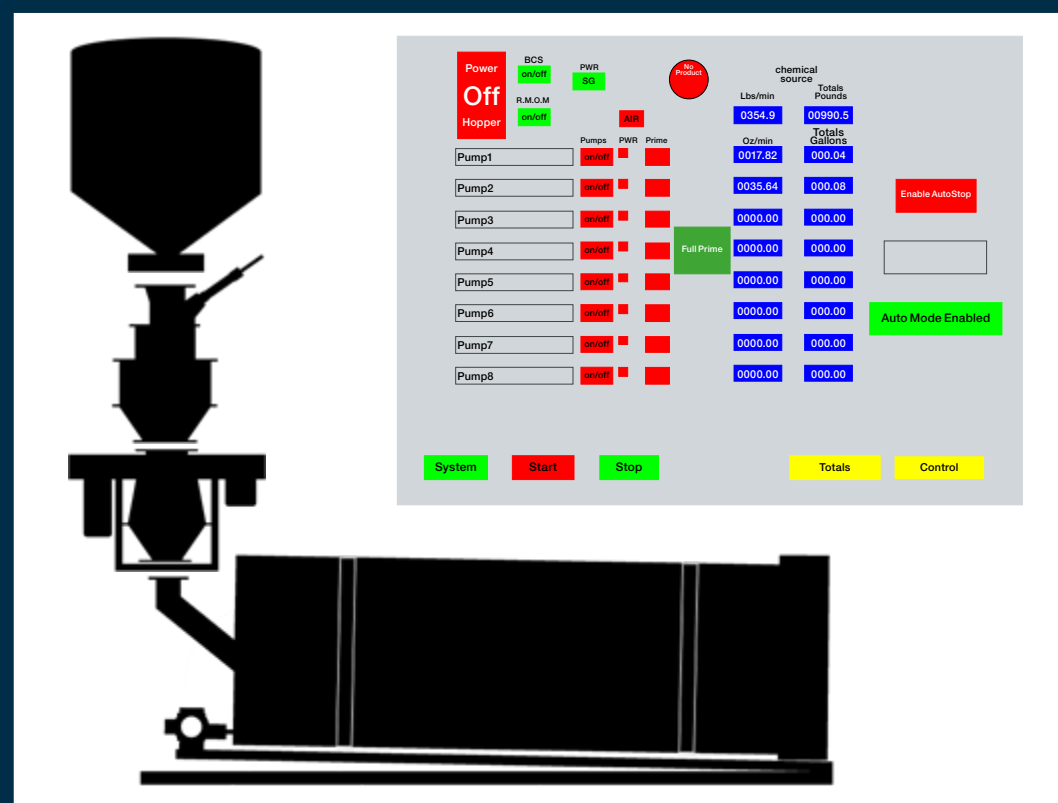
MENU

Legal & Safety

Notes

Initiate HMI

Pump Setup
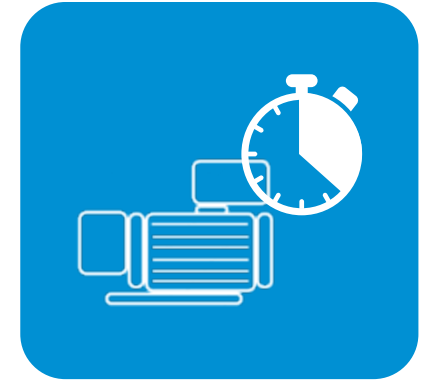
Pump Calibration W/Flow Meters

Scale Calibration

Pump Calibration WO/Flow Meters

Quick Screen

Alarms Screen

Pictograms

LEGAL & SAFETY

This manual contains technical information regarding Bayer SeedGrowth™ Equipment. Please read and understand these instructions completely before proceeding to install and operate the equipment. Bayer reserves the right to change specifications, models, components, or materials at any time without notice. For additional equipment information contact us at 1.800.634.6738. Please have this manual available when contacting Bayer.

Always use caution and common sense when working with any chemical. Read the product label and SDS carefully and follow their instructions exactly as described.

Optimal operating conditions for this piece of equipment requires an ambient temperature 32° F to +104° F (0° C to +40° C), relative humidity less than 90% (minimum condensation). Make necessary provisions to protect this piece of equipment against excessive dust, particles containing iron, moisture and against corrosive and explosive gases.

Our technical information is based on extensive testing and is, to the best of our current knowledge, true and accurate but given without warranty as the conditions of use and storage are beyond our control. Variables, such as humidity, temperature, change in seed size or variety and viscosity of chemical products can all affect the accuracy of the chemical application and seed coverage. To ensure the desired application rate and optimum seed coverage, check the calibration periodically throughout the day, and make adjustments as needed.

Any person who is involved in the installation or periodic maintenance of this equipment should be suitably skilled or instructed and supervised using a safe system of work. Isolate the treater before removing guards for maintenance.

⚠ EXPOSURE CONTROL

Always use caution and common sense when working with chemicals. Read the product label and SDS carefully and follow their instructions exactly as described. The following Personal Protective Equipment (PPE) recommendations and best practices help promote safe use in seed treatment.

Note: Exposure Control signs and labels conform to the requirements of ANSI Z535.4 or ISO 3864.

Wear protective clothing

Wear disposable or reusable coveralls with long sleeves.

Hand protection required

Wear chemical-resistant gloves.

Wear rubber boots

Wear chemical resistant rubber boots.

Labels

Label recommendations and directions for handling must be followed, including treatment procedure (use of sticker) as well as the safety requirements.

Treatment products

Keep products in a locked room that has been approved for crop protection products.

Wear a mask

Wear respiratory protection.

Eye protection required

Wear protective eyewear.

Calibration

Seed treatment equipment must be checked and calibrated regularly to ensure accurate and safe application.

Clean seed

Use well cleaned seed to avoid creation of polluted dust that will contaminate the machine, treating facility, workers, farmers and the environment during sowing.

Cleaning

Use a vacuum to clean machines. Avoid using compressed air for cleaning.

Laundry

Wash soiled reusable clothing separately. Workers must take a shower after each shift.

Empty containers

Non-returnable empty containers must be triple rinsed before they can be disposed. For others the recommendation of the producer must be followed.

Spillage

Spillage must be avoided; it must be thoroughly cleaned up to avoid contaminating the environment and waterways.

Maintenance

Keep machinery clean between treating sessions.

REFERENCE SYMBOLS

Symbols and signal words are used to identify the level of hazard and help avoid personal injury.

Note: Safety signs and labels conform to the requirements of ANSI Z535.4 or ISO 3864.

Shock Hazard

Alerts that dangerous voltage may be present.

Warning

Alerts that a hazard may cause serious injury or death.

Caution

Alerts that a hazard may cause minor or moderate injury.

Hand crush - moving parts

Alerts crushing is possible.

Pinch point

Keep hands away from pinch points.

Rotating shaft

Do not wear loose clothing around turning parts.

Disconnect

Disconnect to de-energize before opening.

Use guards

Keep guards in place. Do not remove during operation.

Lifting

Requires two people to safely lift an item.

Lift points

Requires the use of proper rigging and lifting techniques based on the lift plan.

Center of gravity

Indicates the center of gravity of the machine to help assist when rigging and lifting.

Tools

Required tools for installation and maintenance.

Parts

Required parts for installation and maintenance.

Tip

Calls attention to special information.

Note

Emphasizes general information worthy of attention.

Example

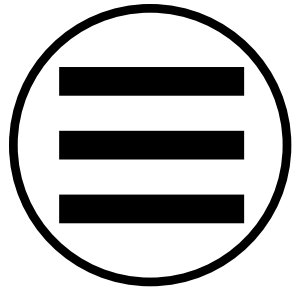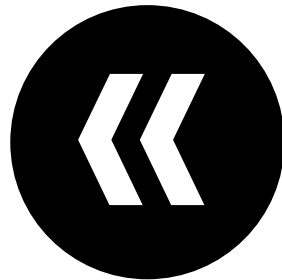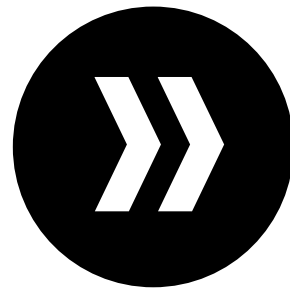Provides a problem or exercise that illustrates a method or principle.

PICTOGRAMS

Menu

Previous

Advance

RMOM

Polishing Drum

Calibration

Initiate HMI

Surge Bin

BS Scale

Setup

Alarms

Pump
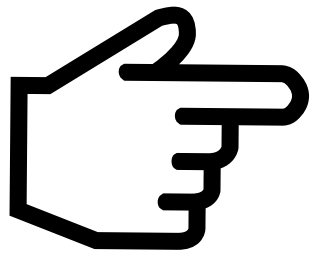
Hand Cursor

Like

GLCPS Run Time Application Program

The LCD touch sensitive viewer panel is located on front of the Human Machine Interface (HMI) Control Box. Interactive run time application program screens display on the HMI touch panel, as shown below.

Step 1: Touch the yellow **CURSOR HAND** icon: navigates to the **HOME SCREEN** ⟳

GRAPHIC LOGIC CONTROL

PROPORTIONING SYSTEM

GLCPS

TECHNICAL SUPPORT MON-FRI 7AM-5PM CST

1-800-634-6738
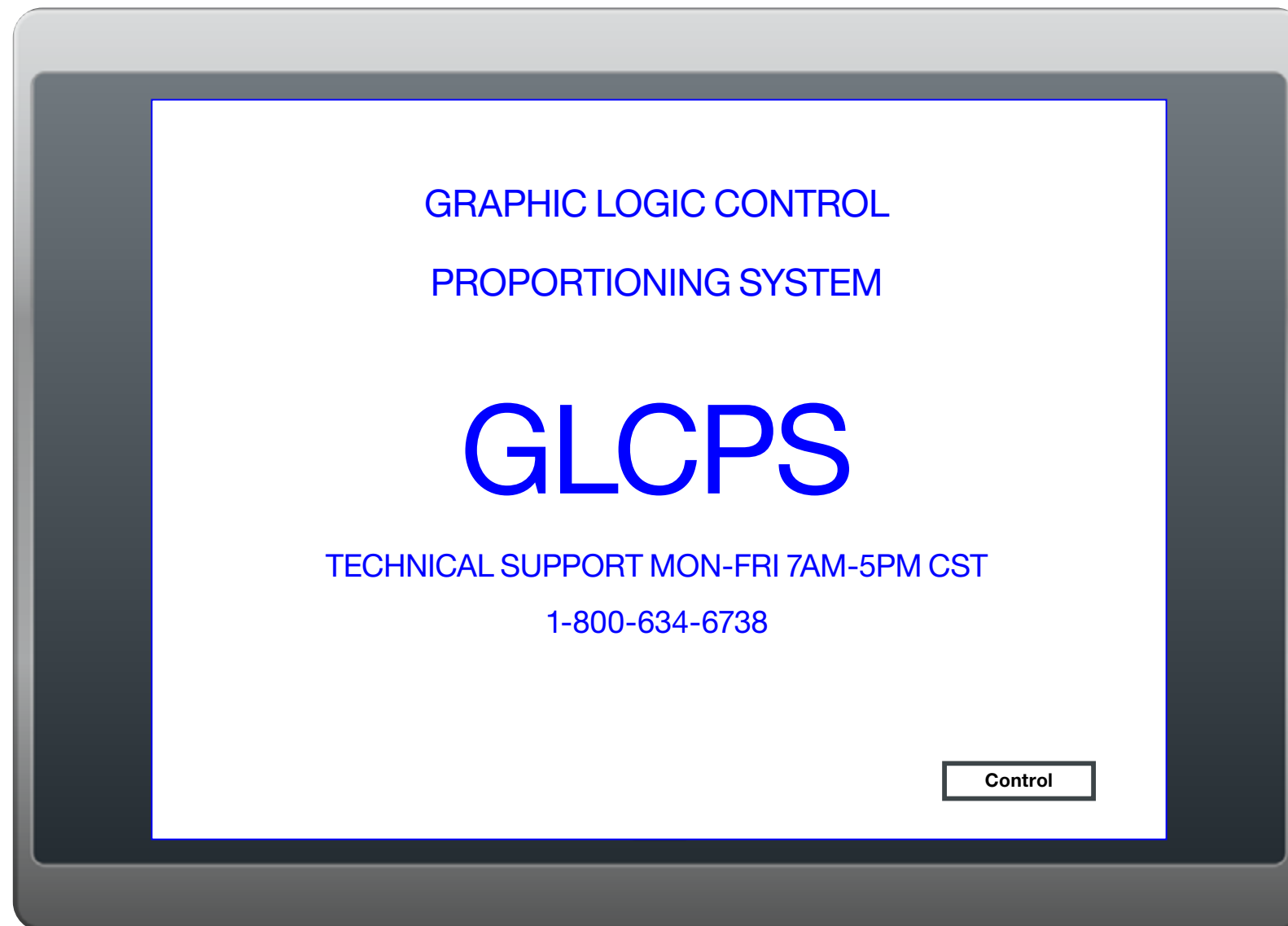
Control

PUMPS WITH FLOW METERS -

HOME SCREEN

Step 1: Touch the HMI LCD viewer screen to activate the program: the **HOME SCREEN** will display (as shown RIGHT).

Step 2: Touch the **CONTROL** button icon: navigates to the **CONTROL SELECT SCREEN** ⟳

GRAPHIC LOGIC CONTROL

PROPORTIONING SYSTEM

GLCPS

TECHNICAL SUPPORT MON-FRI 7AM-5PM CST

1-800-634-6738

Control

Copyright: Bayer

CONTROL SELECT SCREEN

Step 1: Touch the blue **000000** button icon. A pop-up keyboard will appear to enter an approved password.

Step 2: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⟳

Login

USER:	
PASSWORD:	

1	2	3	4	5	6	7	8	9	0	-	=	Backspace
q	w	e	r	t	y	u	i	o	p	[	]	\
a	s	d	f	g	h	j	k	l	:	'		Enter
z	x	c	v	b	n	m	,	.	?			

Cancel	Clear	Space	Cap Lock

Select Screen

Calibration   Alarms

Main

Recipes

Pumps

Quick

000000   Run

Home   Totals

Note: the yellow **Setup** button icon only displays on the **Calibration Home Screen** when the user is logged in with an approved password for initial setup (see page 6).

Calibration Home Screen

Last Calibration

	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Setup** button icon: navigates to the **CALIBRATION SETUP SCREEN** ➲

Flow Meter

P1 | Pump1 | 5 ■

P2 | Pump2 | 5 ■

P3 | Pump3 | 5 ■

P4 | Pump4 | 5 ■

P5 | Pump5 | 5 ■

P6 | Pump6 | 5 ■

P7 | Pump7 | 5 ■

P8 | Pump8 | 5 ■

1: 505/w 1.6mm element

2: 505/w 3.2mm element

3: 505/w 4.8mm element

4: 505/w 6.4mm element

5: I/P-26

6: I/P-73

7: B/T-86

8: 00000.0000

Pump Setup Screen
(For setup of pumps prior to Calibration)

WARNING
Pressing any of these eight keys will affect that pump's calibration

P1   P2   P3   P4   P5   P6   P7   P8

Flow Meter Setup   Calibration

CALIBRATION SETUP SCREEN

The **CALIBRATION SETUP SCREEN** displays all of the pumps (1-8) with the Flow Meter disabled, as indicated by the red square next to the yellow number box, as shown above.

Step 1: Touch the yellow **Flow Meter Setup** button icon: navigates to the **FLOW METER SETUP SCREEN** ➲

Flow Meter Setup Screen

	Enable	Size	Calibr. Factor	Beaker (ml)	No-Chem Alarm Sensitivity
P1	Disabled				
P2	Disabled				
P3	Disabled				
P4	Disabled				
P5	Disabled				
P6	Disabled				
P7	Disabled				
P8	Disabled				

Warm Up Speed (%)

50

Calibration
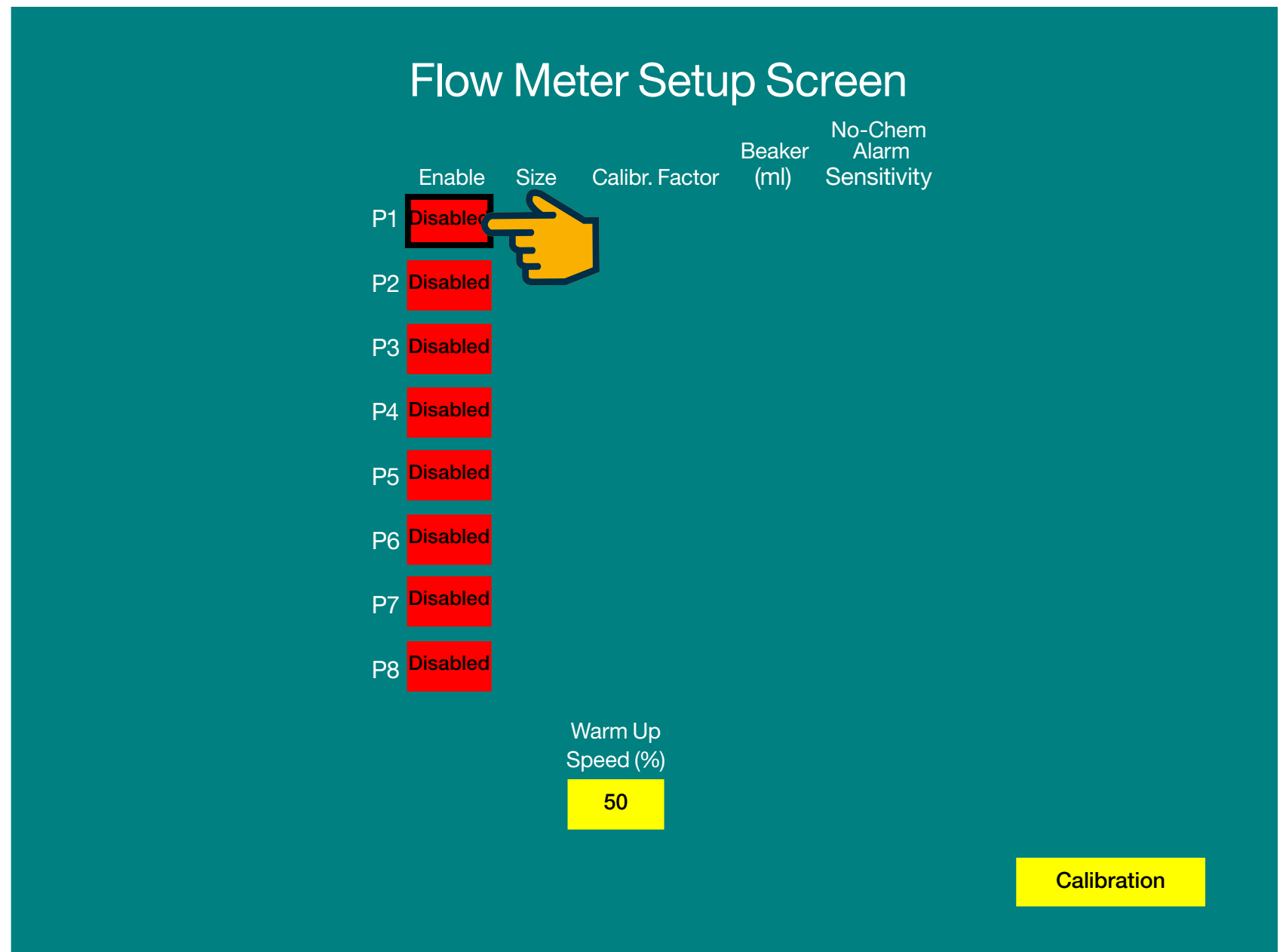
FLOW METER SETUP SCREEN

The **FLOW METER SETUP SCREEN** allows access to enable flow meters for pumps 1-8.

Step 1: Touch the red P1 **Disabled** button icon ➲

New Value Keypad

New Value	0100	High	0
Curre...	0	Low	0

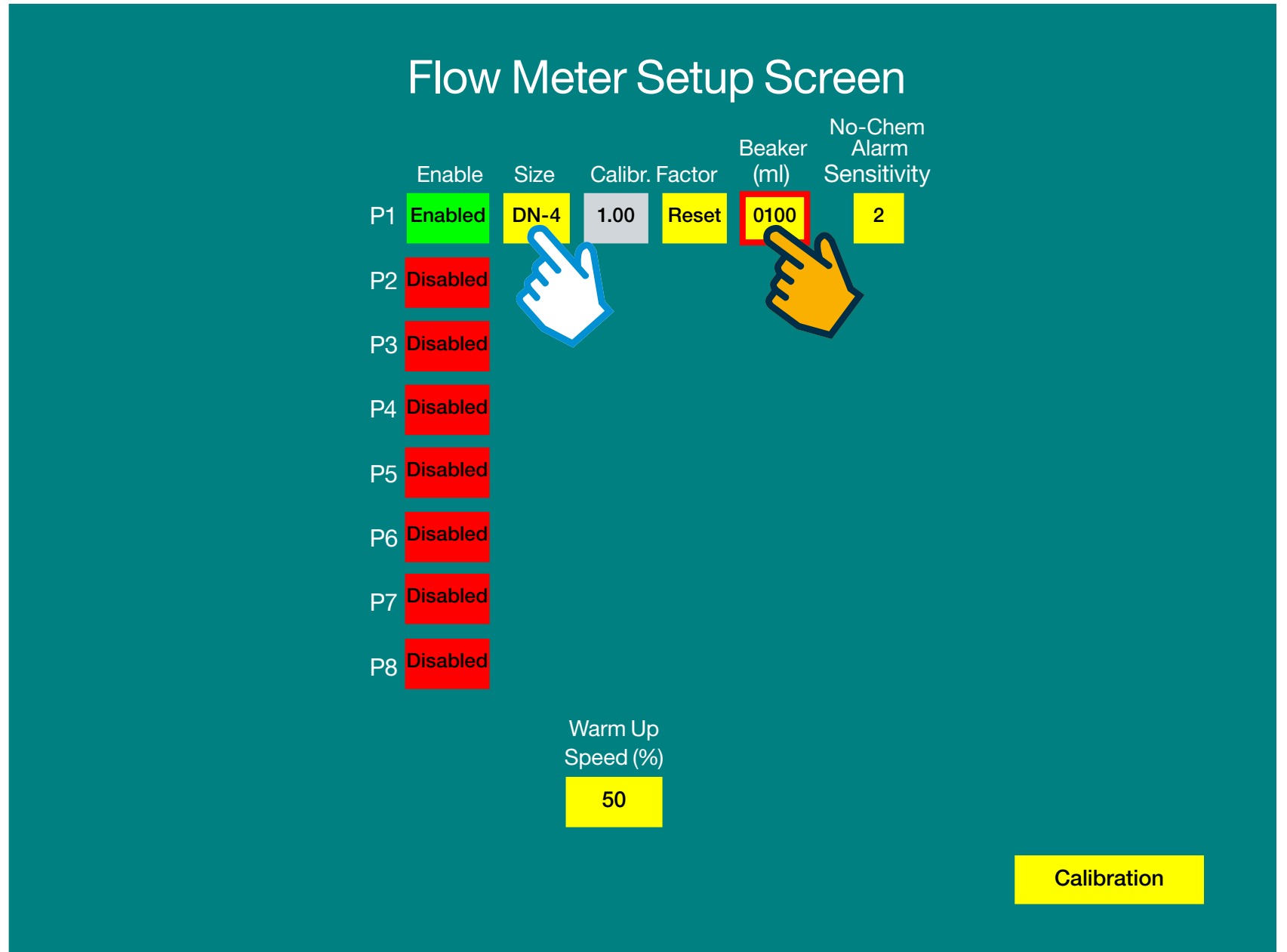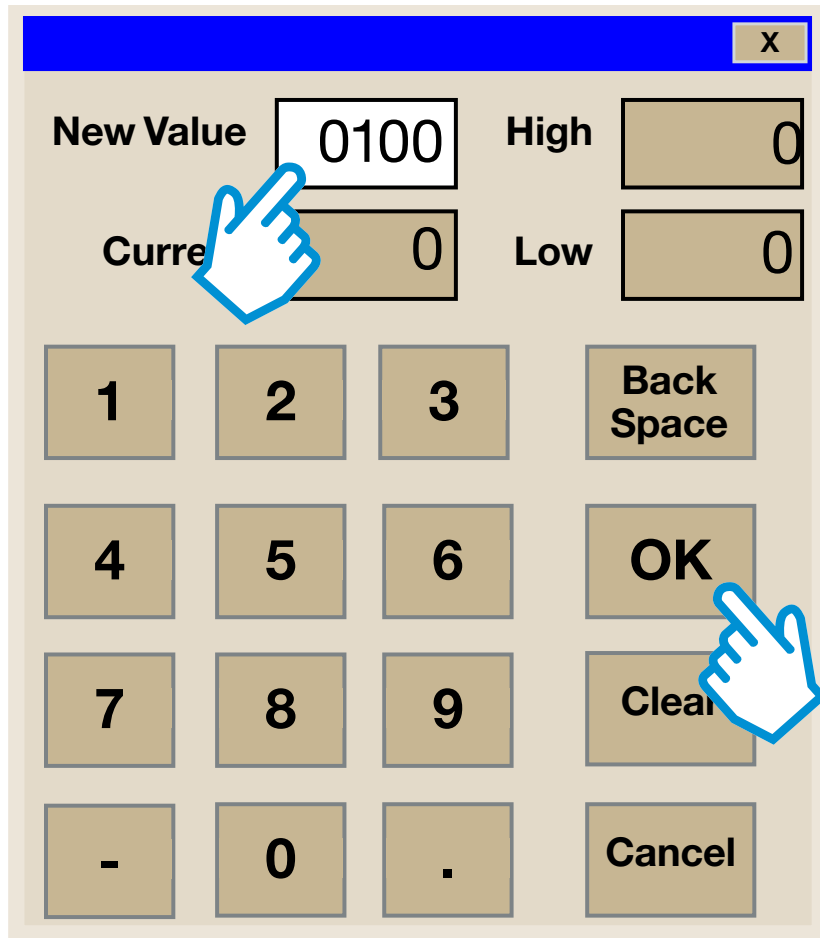| 1 | 2 | 3 | Back Space |
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Flow Meter Setup Screen

	Enable	Size	Calibr. Factor		Beaker (ml)	No-Chem Alarm Sensitivity
P1	Enabled	DN-4	1.00	Reset	0100	2
P2	Disabled					
P3	Disabled					
P4	Disabled					
P5	Disabled					
P6	Disabled					
P7	Disabled					
P8	Disabled					

Warm Up Speed (%)

50

Calibration

FLOW METER SETUP SCREEN

The red P1 **Disabled** button icon now displays green, indicating that the flow meter is now enabled.

Step 1: Touch the yellow **DN-4** button icon to toggle the flow meter size between DN-4 or DN-8.

Step 2: Touch the yellow **Beaker (ml)** button icon to enter the beaker size (either 0100 or 3000) on a pop-up key pad.

Repeat Steps 1 & 2 above for P2 ➲

Flow Meter Setup Screen

	Enable	Size	Calibr. Factor		Beaker (ml)	No-Chem Alarm Sensitivity
P1	Enabled	DN-4	1.00	Reset	0100	2
P2	Enabled	DN-4	1.00	Reset	3000	2
P3	Disabled					
P4	Disabled					
P5	Disabled					
P6	Disabled					
P7	Disabled					
P8	Disabled					

Warm Up Speed (%)

50

Calibration

FLOW METER SETUP SCREEN

The **FLOW METER SETUP SCREEN** now displays P1 enabled using a DN-4 flow meter and a 0100 ml beaker and the P2 enabled using a DN-8 flow meter and a 3000 ml beaker.

Step 1: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⟳

Calibration Home Screen

Last Calibration

	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Setup** button icon: navigates to the **CALIBRATION SETUP SCREEN** ➲

CALIBRATION SETUP SCREEN

The **CALIBRATION SETUP SCREEN** now displays P1 & P2 enabled with flow meters, as indicated by the green box next to yellow number box, as shown above.

Step 1: Touch the P1 yellow **NUMBER** button icon to enter the desired pump element (as listed on the right of screen, 1-8) on a pop-up key pad.

Step 2: Touch the yellow **P1** button icon to synchronize the pump flow rate to the pump element selected (previous step). Repeat steps 1 & 2 for P2.

Setup of pumps with flow meters is now complete.

Step 3: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⟳

	New Value	1	High	0
	Current	0	Low	0

1	2	3
4	5	6
7	8	9
-	0	.

Back Space
OK
Clear
Cancel

Flow Meter

			Flow Meter	
P1	Pump1	5	🟩	**1:** 505/w 1.6mm element
P2	Pump2	5	🟩	**2:** 505/w 3.2mm element
P3	Pump3	5	🟥	**3:** 505/w 4.8mm element
P4	Pump4	5	🟥	**4:** 505/w 6.4mm element
P5	Pump5	5	🟥	**5:** I/P-26
P6	Pump6	5	🟥	**6:** I/P-73
P7	Pump7	5	🟥	**7:** B/T-86
P8	Pump8	5	🟥	**8:** 00000.0000

Pump Setup Screen
(For setup of pumps prior to Calibration)

WARNING
Pressing any of these eight keys will affect that pump's calibration

P1	P2	P3	P4	P5	P6	P7	P8

Flow Meter S...   Calibration

PUMP CALIBARATION

Note: calibration examples given are representative only and meant to replicate real-time calibration.

PUMPS WITH FLOW METERS - CALIBRATION HOME SCREEN

The next step will be to calibrate pumps P1 & P2 with flow meters enabled.

Step 1: Touch the yellow **Cal Pump 2** button icon: navigates to the **CALIBRATE PUMP WITH FM SCREEN** ⟳

Calibration Home Screen

		Last Calibration
	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control
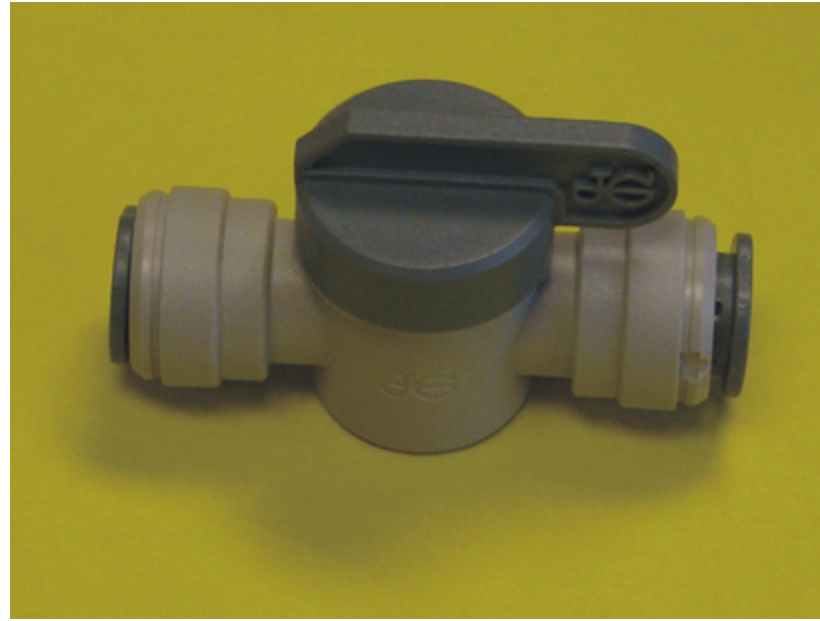
CALIBRATE PUMP WITH FM SCREEN

Step 1: Turn the plastic calibration Shut-off Valve (located underneath the CBP Tank Calibration Cylinder) to the **LEFT** (**OPEN FLOW** position, as shown).

Step 2: Turn the 3-way Valve above the Flow Meter on the CBP Tank to the **RECIRCULATE** position (turn Valve handle **LEFT**, **DOWN**, as shown) ⟳

Pump 2 Flow Rate Calibration

| | New Value | 1.0 | High | 0 |
| | Curre | 0 | Low | 0 |

1	2	3	Back Space
4	5	6	OK
7	8	9	Clea
-	0	.	Cancel

Step1: Pump Warm Up — 2.0 (min) — **Start**

Step2: Jog Pump: Liquid to Zero on Calibration Beak — Jog — 20 (%)

Step3: Set Calibration Pump Speed & Amount — 100.0 (oz/min) — 90 (%) Beaker Fill

Step4: Start Pump to Fill Beaker — **Start**

Step5: Enter Liquid Amount Captured in Beaker — 0000 (mL) — 0000 Flowmeter Total (mL)
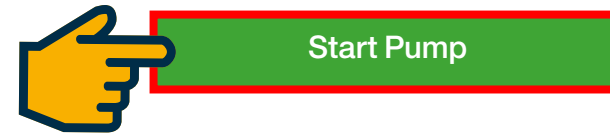
Beaker Size
3000 (mL)

Cancel

Pump Warm Up

Step 3: Touch the purple **minute** button icon to enter the run time on a pop-up key pad. Set the pump to run for at least one minute.

Step 4: Touch the green **Start** button icon: navigates to the **VERIFICATION SCREEN** ↻

- Please Verify -

Recirculation Valve is in Correct Position

👉 Start Pump

Cancel

VERIFICATION SCREEN

Verify that the P2 calibration shut-off valve is in the recirculate position and the flow meter valve is in the treat position, as shown on page 15!

Step 1: Touch the **START PUMP** button icon: the pump will run for at least one minute ↻

Note: if using a 100ml beaker, jog chemical up to the **10ml** line.

CALIBRATE PUMP WITH FM SCREEN

After the pump starts, the green **Start** button icon displays the percentage of completion - running the pump for the time established on the purple **minute** button icon (2.0 minutes). The pump will stop after running for two minutes.

Step 1: Turn the P2 calibration shut-off valve to the **calibrate** position and the flow meter valve to the **calibrate UP** position, as both shown below ↻

Pump 2 Flow Rate Calibration

Step1: Pump Warm Up	2.0 (min)	75%
Step2: Jog Pump: Liquid to Zero on Calibration Beaker	Jog	20 (%)
Step3: Set Calibration Pump Speed & Amount	100.0 (oz/min)	90 (%) Beaker Fill
Step4: Start Pump to Fill Beaker	Start	
Step5: Enter Liquid Amount Captured in Beaker	0000 (mL)	0000 Flowmeter Total (mL)

Beaker Size

3000

(mL)

Cancel

Jog Pump: Liquid to Zero on Calibration Beaker

Step 1: Touch and hold the yellow **Jog** button icon while looking at the calibration beaker on top of the CBP tank until chemical reaches the Zero mark on the beaker, as shown below. Release the yellow **Jog** button icon when chemical reaches the Zero mark ➲

Pump 2 Flow Rate Calibration

Step1: Pump Warm Up | 2.0 | Start
(min)

Step2: Jog Pump: Liquid to Zero on Calibration Beaker | Jog | 20
(%)

Step3: Set Calibration Pump Speed & Amount | 100.0 | 90
(oz/min) | (%) Beaker Fill

Step4: Start Pump to Fill Beaker | Start

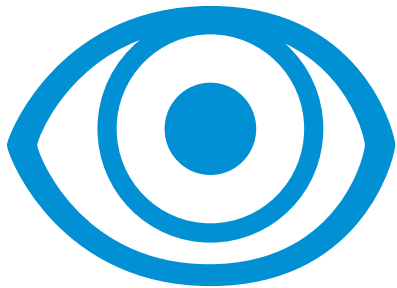Step5: Enter Liquid Amount Captured in Beaker | 0000 | 0000
(mL) | Flowmeter Total (mL)

Beaker Size
3000
(mL)
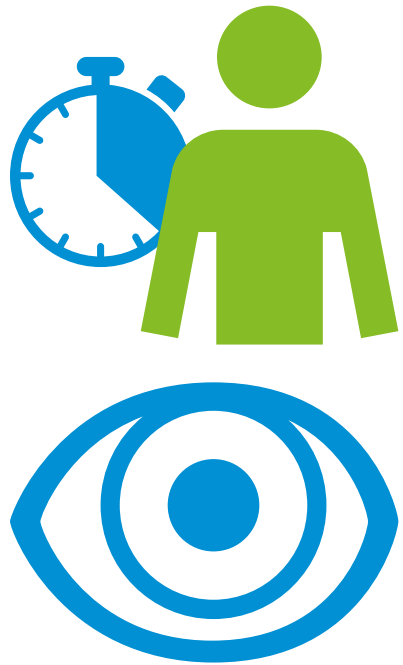
Cancel

CALIBRATE PUMP WITH FM SCREEN

Set Calibration Pump Speed & Amount
This determines how many ounces of chemical are pumped per minute.

Step 1: Touch the purple **OZ/MIN** button and enter a rate (ideally the same as the actual treating rate) on the pop-up key pad.

Start Pump to Fill Beaker

Step 2: Touch the green **Start** button. The calibration beaker will fill with chemical 90%, as indicated on the purple **% beaker fill** button icon, as shown right. Fill the beaker as much as possible for accurate reading.

Pump 2 Flow Rate Calibration

Step1: Pump Warm Up — 2.0 (min) — Start

Step2: Jog Pump: Liquid to Zero on Calibration Beaker — Jog — 20 (%)

Step3: Set Calibration Pump Speed & Amount — 100.0 (oz/min) — 90 (%) Beaker Fill

Step4: Start Pump to Fill Beaker — Start

Step5: Enter Liquid Amount Captured in Beaker — 0000 (mL) — 0000 Flowmeter Total (mL)

Beaker Size
3000
(mL)

Cancel

New Value 100.0   High 0
Current 0   Low 0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Note: if using a 100ml beaker, subtract **10** from the total amount of chemical pumped: oz/min rate.

			X	

New Value | 43.0 | **High** | 0
Curre | 0 | **Low** | 0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Pump 2 Flow Rate Calibration

Step1: Pump Warm Up   2.0 (min)   Start

Step2: Jog Pump: Liquid to Zero on Calibration Beaker   Jog   20 (%)

Step3: Set Calibration Pump Speed & Amount   100.0 (oz/min)   90 (%) Beaker Fill

Step4: Start Pump to Fill Beaker   Start

Step5: Enter Liquid Amount Captured in Beaker   0000 (mL)   000 neter Total (mL)
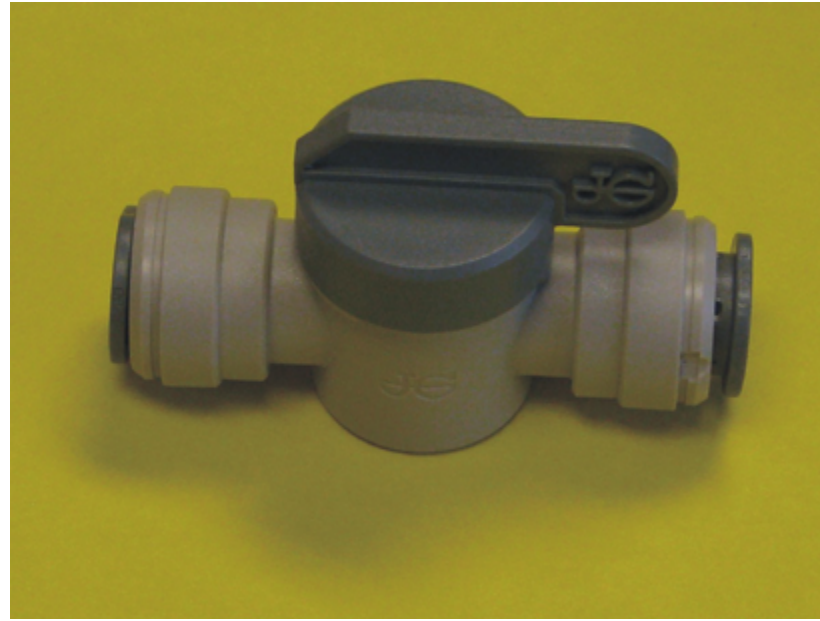
Beaker Size
3000
(mL)

Cancel

CALIBRATE PUMP WITH FM SCREEN

Step 5: Enter Liquid Amount Captured in Beaker
This is how many ounces of chemical were pumped into the calibration beaker. Look at the calibration beaker to see the total amount of chemical in the calibration beaker.

Step 1: Touch the purple **ML** button and enter the amount on the pop-up key pad ➲

Step 1: Turn the plastic calibration Shut-off Valve (located underneath the CBP Tank Calibration Cylinder) to the **LEFT** (**OPEN** position, as shown).

Step 2: Turn the 3-way Valve above the Flow Meter on the CBP Tank to the **TREAT** position (turn Valve handle **LEFT DOWN**, as shown) ➲

Pump 2 Flow Rate Calibration

Step1: Pump Warm Up   2.0   Start
(min)

Step2: Jog Pump: Liquid to Zero on Calibration Beaker   Jog   20
(%)

Step3: Set Calibration Pump Speed & Amount   100.0   90
(oz/min)   (%) Beaker Fill

Step4: Start Pump to Fill Beaker   Start

Step5: Enter Liquid Amount Captured in Beaker   0043   0043
(mL)   Flowmeter Total (mL)

Beaker Size
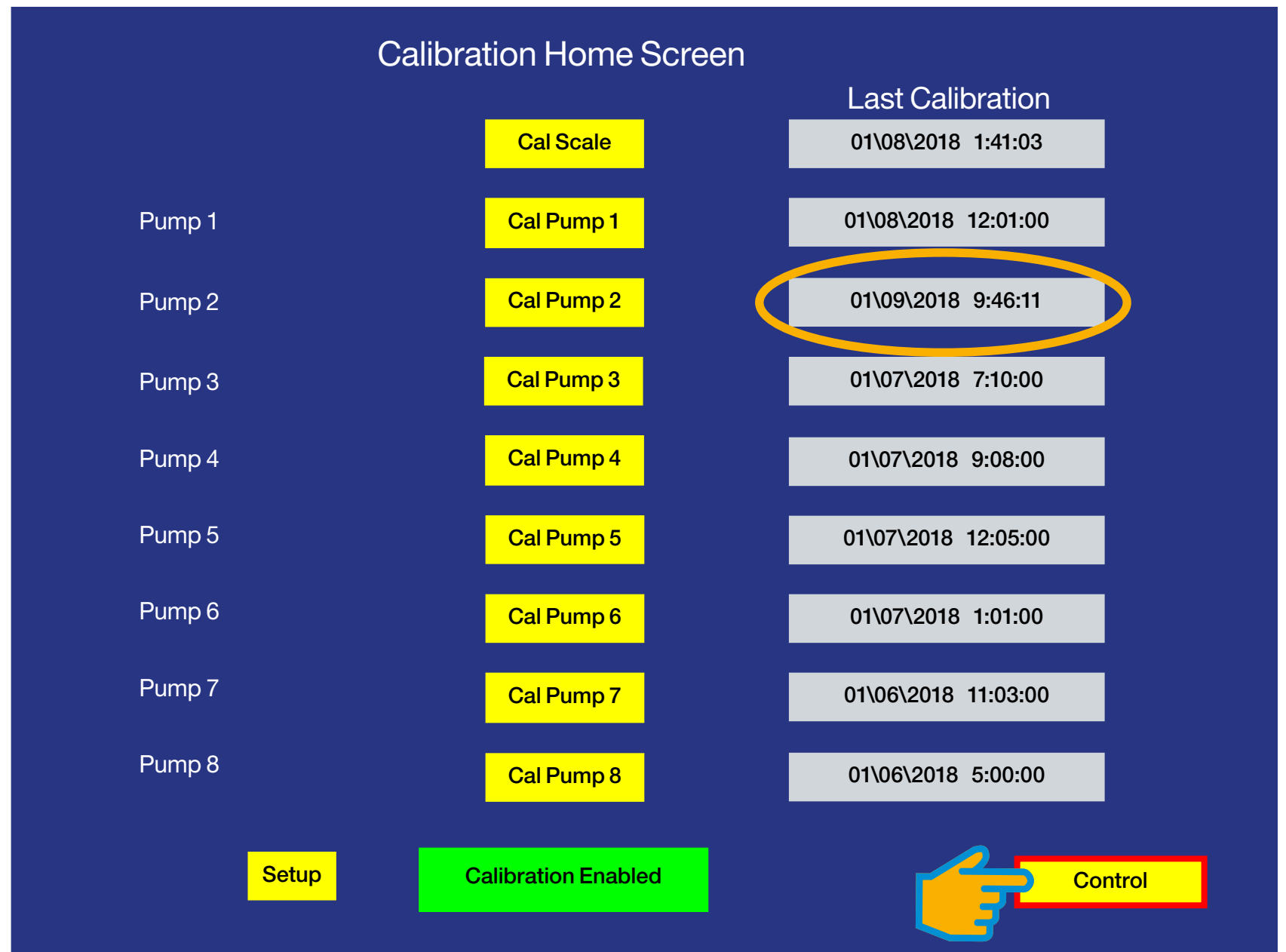3000
(mL)

Accept

Cancel

Enter Liquid Amount Captured in Beaker
The purple and gray button icons will then display the total amount of chemical in the calibration beaker. **Calibration of P2 with flow meter is now complete.**

Step 3: Touch the green **Accept** button icon: navigates to the **CALIBRATION HOME SCREEN** ⮌

Calibration Home Screen

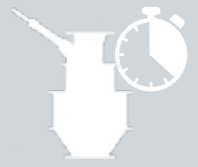|		Last Calibration
	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\09\2018 9:46:11
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Observe the Last Calibration date reflects the change. Repeat the calibration process for pumps with flow meters (P1) as shown on pages 14-23.

Proceed to calibrate the BC Scale...

Step 1: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ↻
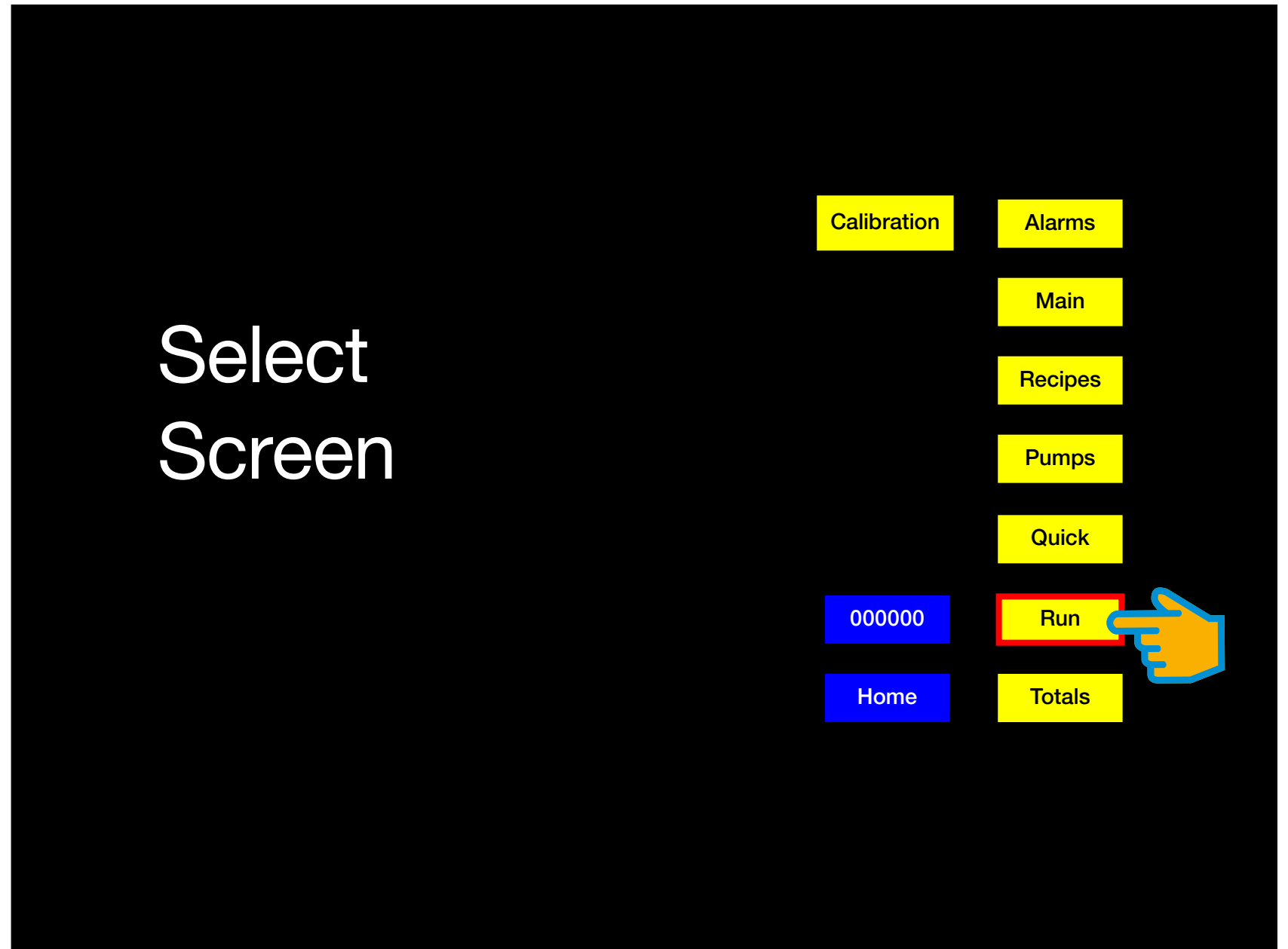
Note: calibration examples given are representative only and meant to replicate real-time calibration.

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Run** button icon: navigates to the **RUN SCREEN** ➲

Select Screen

Calibration	Alarms
	Main
	Recipes
	Pumps
	Quick
000000	Run
Home	Totals

Note: ensure the Scale is clear of all debris and seed prior to calibration.

Power	BCS	PWR	
	on/off	SG	
Off	R.M.O.M		
	on/off	AIR	
Hopper			

No Product

chemical source

	Lbs/min	Totals Pounds
	0354.9	00990.5

Totals Gallons

	Pumps	PWR	Prime	Oz/min	
Pump1	on/off			0000.00	000.00
Pump2	on/off			0000.00	000.00
Pump3	on/off			0000.00	000.00
Pump4	on/off		Full Prime	0000.00	000.00
Pump5	on/off			0000.00	000.00
Pump6	on/off			0000.00	000.00
Pump7	on/off			0000.00	000.00
Pump8	on/off			0000.00	000.00

Enable AutoStop

Auto Mode Enabled

System	Start	Stop		Totals	Control

RUN SCREEN

Under **Chemical Source** two blue fields: **Lbs/min & Totals Pounds** both display a numerical value, indicating there is some seed or debris sitting on the scale. These two values need to be refreshed to zero prior to calibration.

Step 1: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ⟳

Select Screen

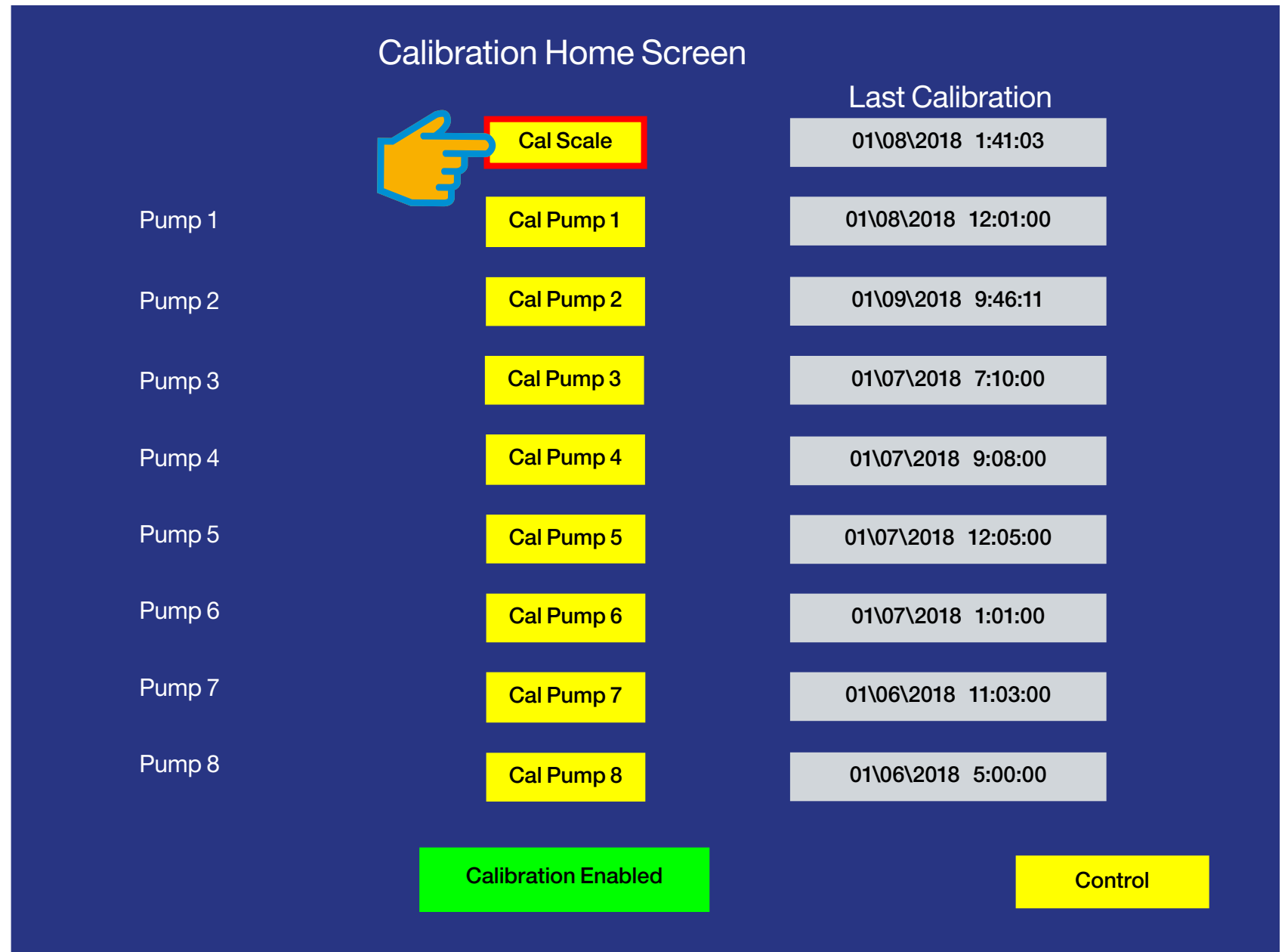|	
👉 **Calibration**	**Alarms**
	Main
	Recipes
	Pumps
	Quick
000000	**Run**
Home	**Totals**

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⮐

Calibration Home Screen

		Last Calibration
	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\09\2018 9:46:11
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Calibration Enabled   **Control**

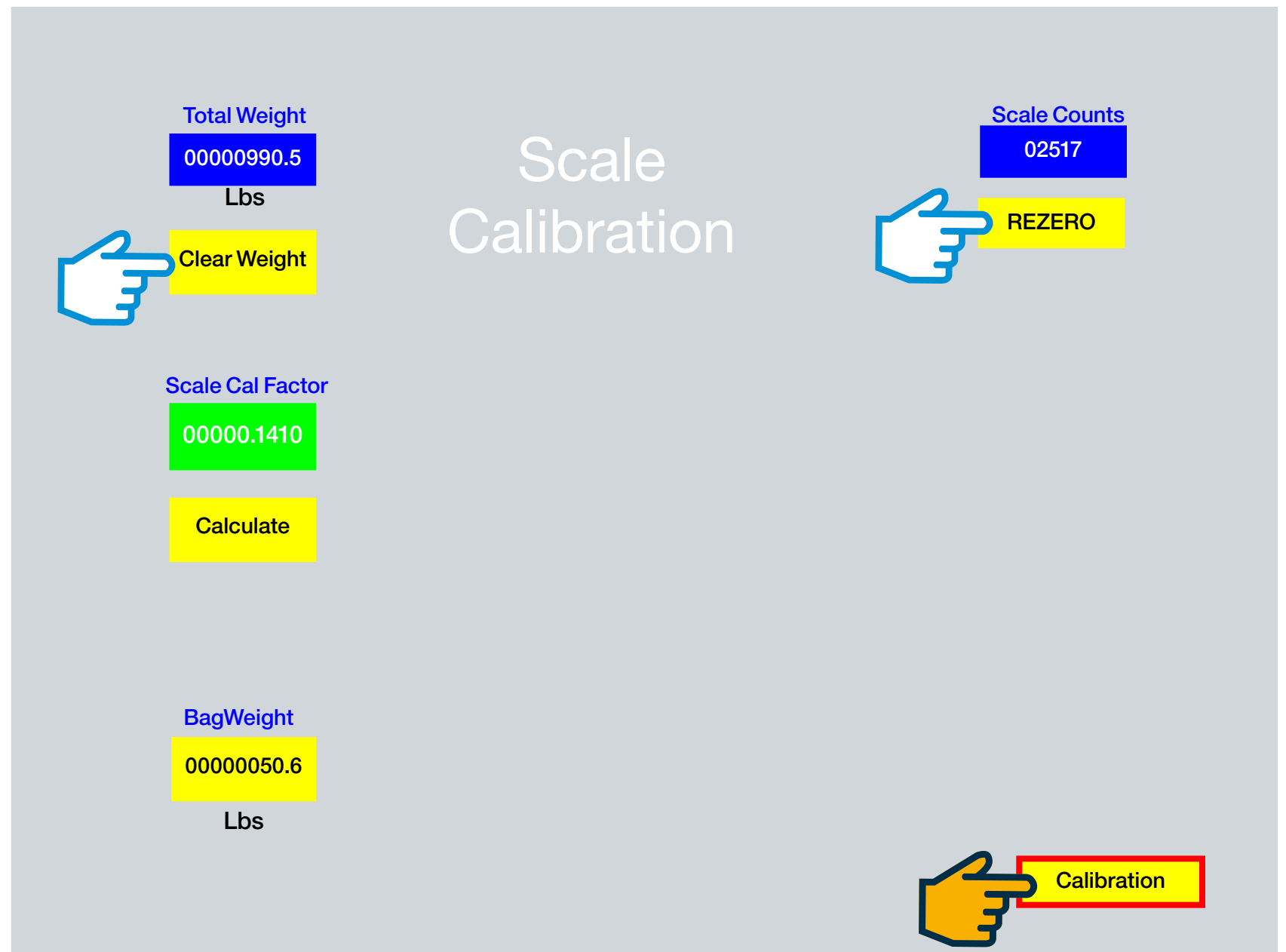**CALIBRATION HOME SCREEN**

Step 1: Touch the yellow **Cal Scale** button icon: navigates to the **CALIBRATE SCALE SCREEN** ⟳

Total Weight

00000990.5

Lbs

Clear Weight

Scale Calibration

Scale Counts

02517

REZERO

Scale Cal Factor

00000.1410

Calculate

BagWeight

00000050.6

Lbs
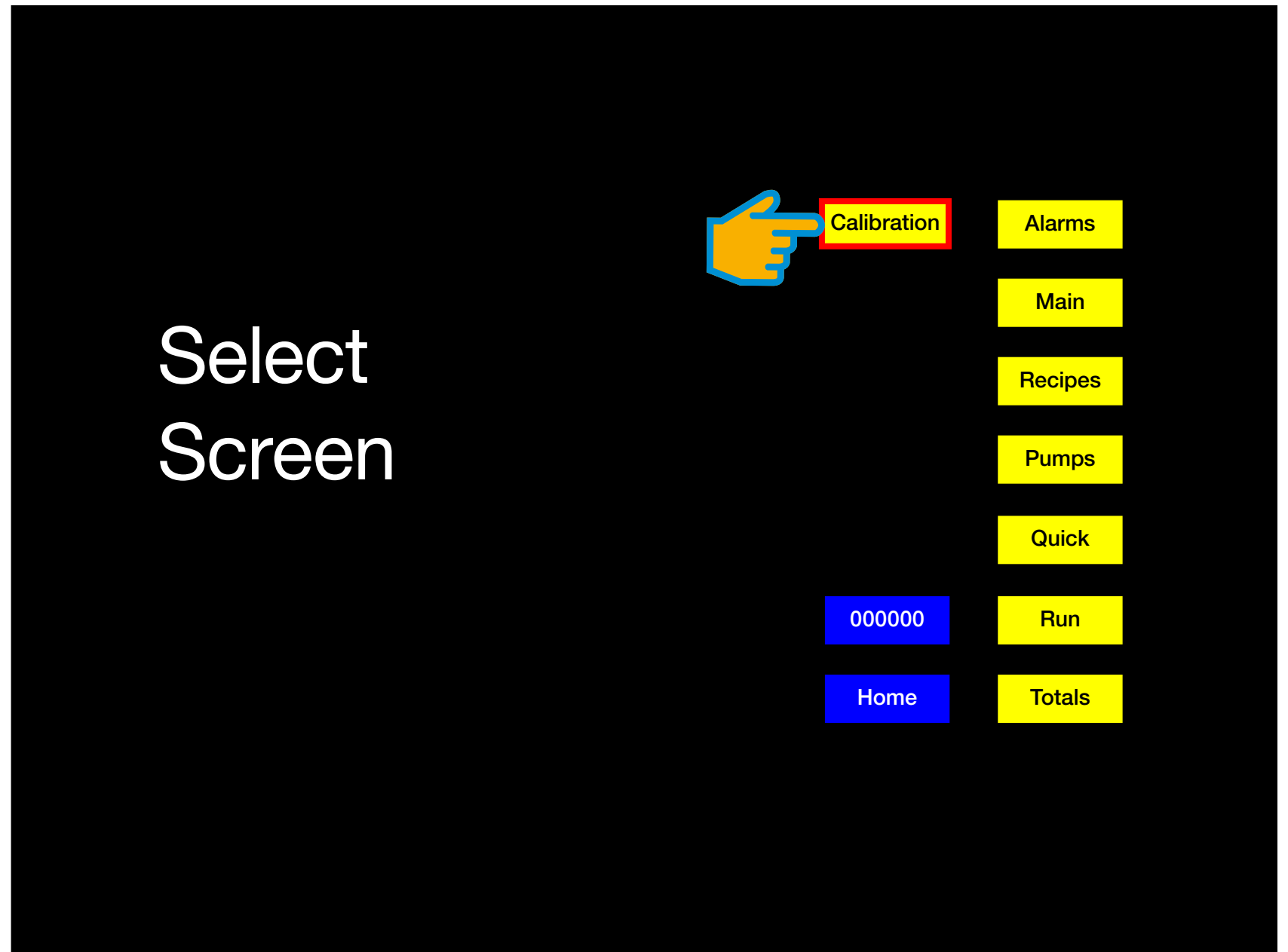
Calibration

CALIBRATE SCALE SCREEN

Step 1: Touch the yellow **REZERO** button icon. Numerical value in blue box will display zero.

Step 2: Touch the yellow **Clear Weight** button icon. Numerical value in blue box will display zero.

Step 3: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ↻

Calibration Home Screen

Last Calibration

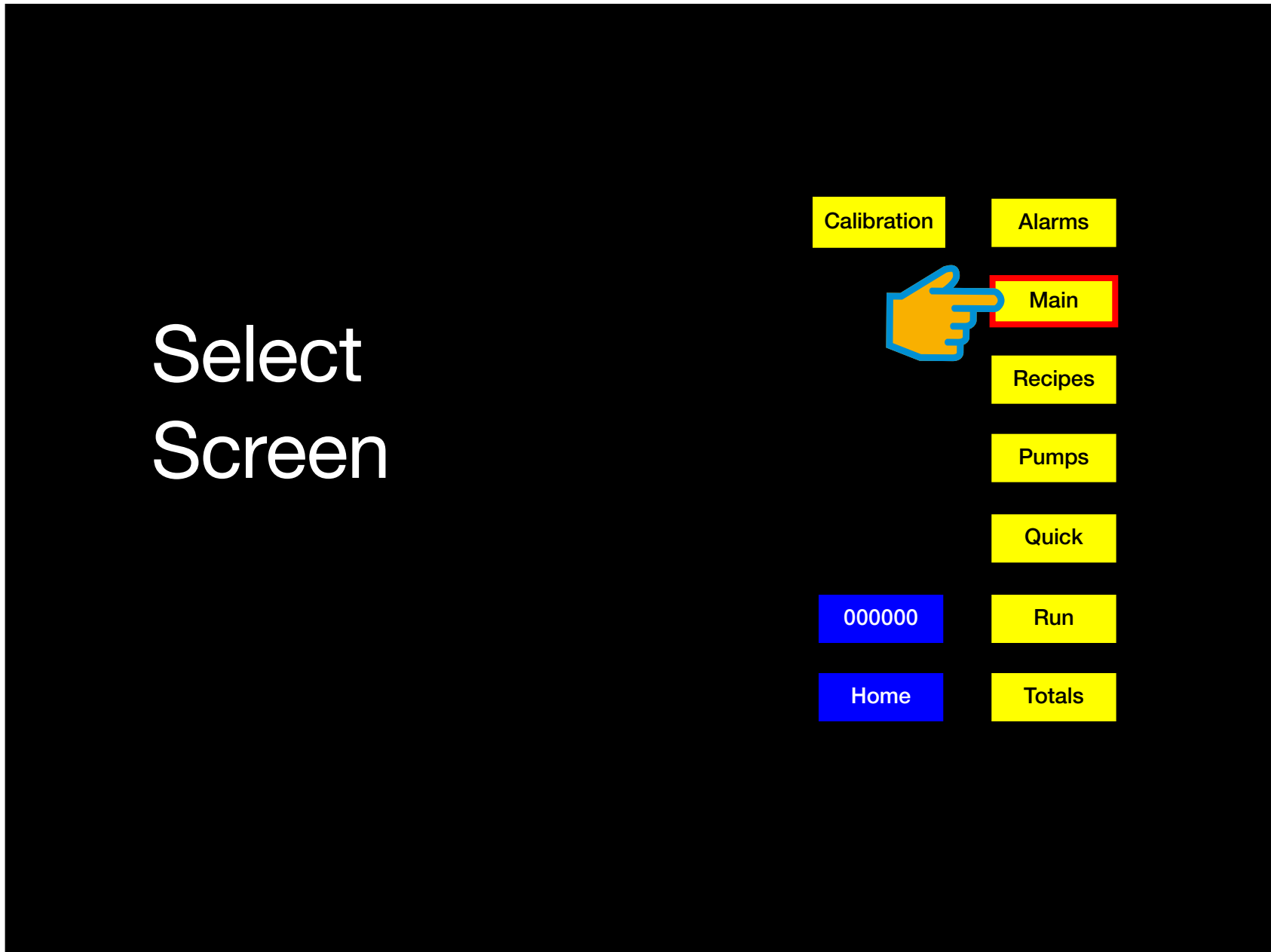|	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\09\2018 9:46:11
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Calibration Enabled

Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ↻
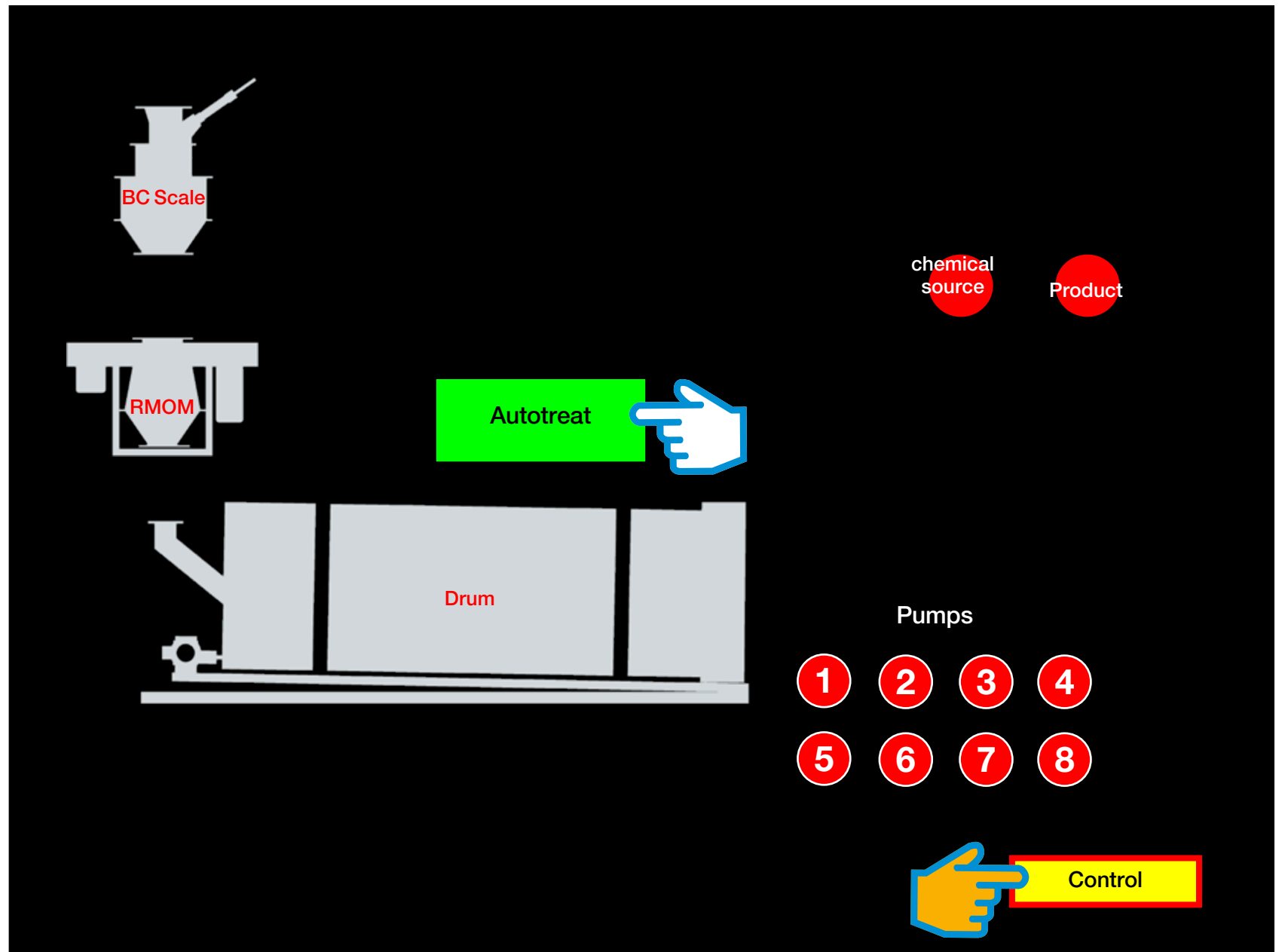
CONTROL SELECT SCREEN

Step 1: Touch the yellow **Main** button icon: navigates to the **MAIN SCREEN** ➲

MAIN SCREEN

Step 1: Touch the green **Autotreat** button icon: changes to red **Notreat** (indicating that the pumps will not run during Scale Calibration).

Step 2: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ➲

Select Screen

Calibration		Alarms
		Main
		Recipes
		Pumps
		Quick
000000		Run
Home		Totals

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Run** button icon: navigates to the **RUN SCREEN** ⤴

RUN SCREEN

Under **Chemical Source** two blue fields: **Lbs/min & Totals Pounds** both display a zero numerical value.

The Run screen flashes red NO TREAT MODE

Step 1: Touch the red **BCS on/off** button icon (turns green = enabled).

Step 2: Touch the red **RMOM on/off** button icon (turns green = enabled).

Step 3: Touch the red **System** button icon (turns green = enabled). At this point the Scale begin to fill (blue **Lbs/min** numerical value begins to display a numerical value). The known amount of seed is staged above the treater.

Step 4: Touch the red **Start** button icon (turns green = enabled). The red **PWR SG** button icon turns green = enabled the slide gate is open. At this point the Scale begins to fill (blue **Total Pounds** numerical value begins to display a totalized value as if it were treating seed). The green **Stop** button icon turns red.

The system will run seed through the **RMOM** treater <u>without</u> applying chemical.

Allow the treater to totalize until your known amount of seed is done ➲

	BCS on/off	PWR SG		No Product	chemical source	
	R.M.O.M on/off		AIR		Lbs/min 0000.0	Totals Pounds 00000.0

	Pumps	PWR	Prime	Oz/min	Totals Gallons
Pump1	on/off			0000.00	000.00
Pump2	on/off			0000.00	000.00
Pump3	on/off			0000.00	000.00
Pump4	on/off		Full Prime	0000.00	000.00
Pump5	on/off			0000.00	000.00
Pump6	on/off			0000.00	000.00
Pump7	on/off			0000.00	000.00
Pump8	on/off			0000.00	000.00

Enable AutoStop

Auto Mode Enabled

NO TREAT MODE

System   Start   Stop

Totals   Control

RUN SCREEN

Continue to allow the treater to totalize until the known amount of seed is done.

Step 1: Touch the red **Stop** button icon (turns green). The BC Scale Slide Gate closes and the RMOM stops treating.
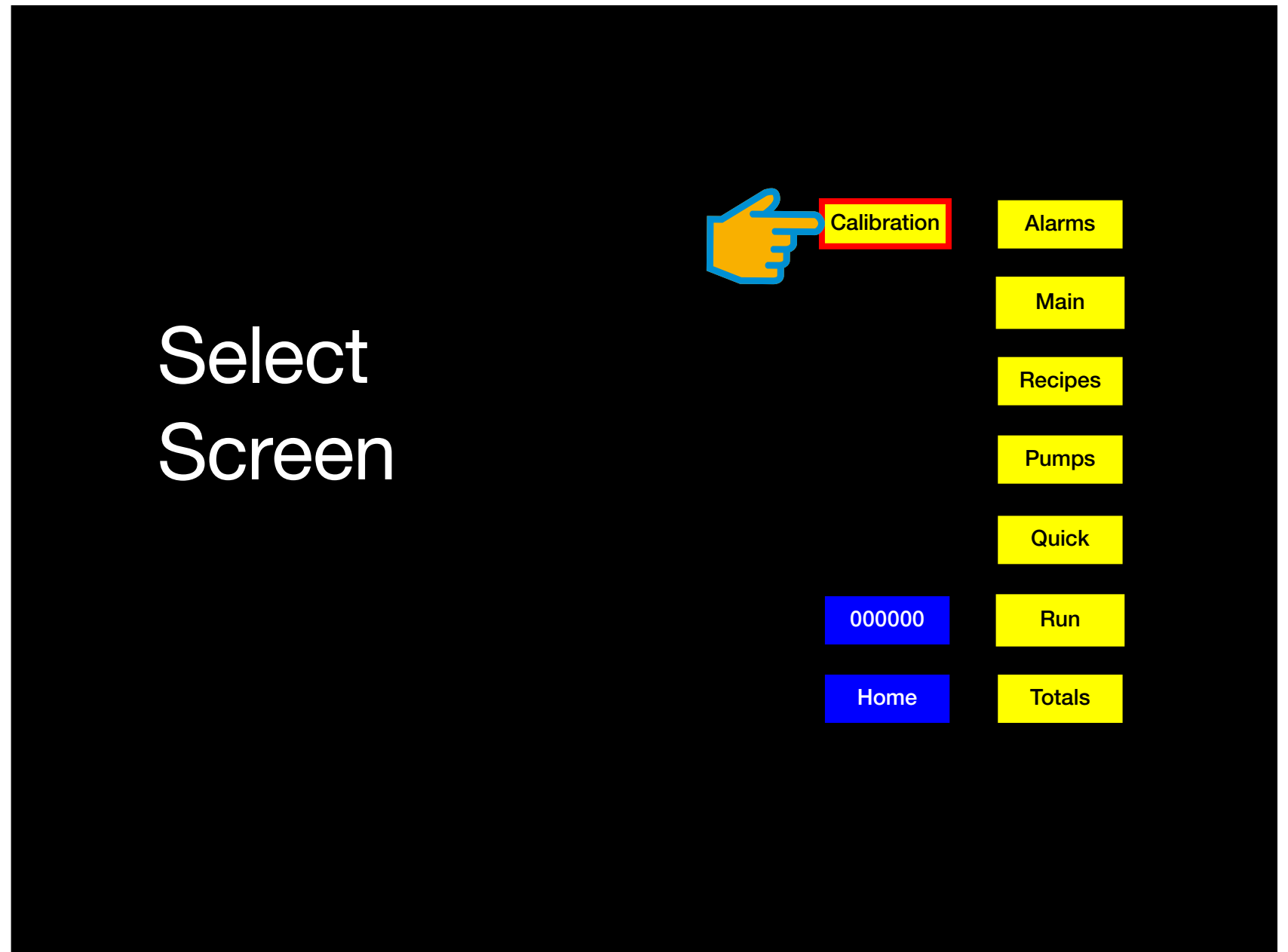
Step 2: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ⮌

Power Off Hopper							chemical source	
	BCS on/off	PWR SG		No Product				
	R.M.O.M on/off		AIR			Lbs/min	Totals Pounds	
						0353.3	00372.2	
		Pumps	PWR	Prime		Oz/min	Totals Gallons	
Pump1		on/off				0000.00	000.00	
Pump2		on/off				0000.00	000.00	Enable AutoStop
Pump3		on/off				0000.00	000.00	
Pump4		on/off			Full Prime	0000.00	000.00	
Pump5		on/off				0000.00	000.00	
Pump6		on/off				0000.00	000.00	Auto Mode Enabled
Pump7		on/off				0000.00	000.00	
Pump8		on/off				0000.00	000.00	

NO TREAT MODE

System	Start	Stop		Totals	Control

Select Screen

Calibration Alarms

Main

Recipes

Pumps

Quick

000000 Run

Home Totals

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⟳

Calibration Home Screen

Last Calibration

Cal Scale — 01\08\2018 1:41:03

Pump 1 — Cal Pump 1 — 01\08\2018 12:01:00

Pump 2 — Cal Pump 2 — 01\09\2018 9:46:11

Pump 3 — Cal Pump 3 — 01\07\2018 7:10:00

Pump 4 — Cal Pump 4 — 01\07\2018 9:08:00

Pump 5 — Cal Pump 5 — 01\07\2018 12:05:00

Pump 6 — Cal Pump 6 — 01\07\2018 1:01:00

Pump 7 — Cal Pump 7 — 01\06\2018 11:03:00

Pump 8 — Cal Pump 8 — 01\06\2018 5:00:00

Calibration Enabled

Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Cal Scale** button icon: navigates to the **CALIBRATE SCALE SCREEN** ↻

CALIBRATE SCALE SCREEN

The total seed weight **372.2** now displays in the blue Total Weight field, shown right.

Step 1: Touch the yellow **BagWeight** button icon: navigates to pop-up key pad.

> Enter the known weight (**325lbs** a little less than actual Total Weight of **372lbs**).

			x

New Value 325 **High** 0

Curre 0 **Low** 0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Total Weight

00000372.2

Lbs

Clear Weight

Scale Counts

02517

REZERO

Scale Calibration

Scale Cal Factor

00000.1410   Save to Recipe

Calculate

BagWeight

00000325.0

Lbs

Calibration

Step 2: Touch the yellow **Calculate** button icon. The green **Scale Cal Factor** field turns red and calculates a new factor.

Step 3: Touch the gray **Save to Recipe** button icon to save the new calibration factor (**00000.1410**) to the current recipe.

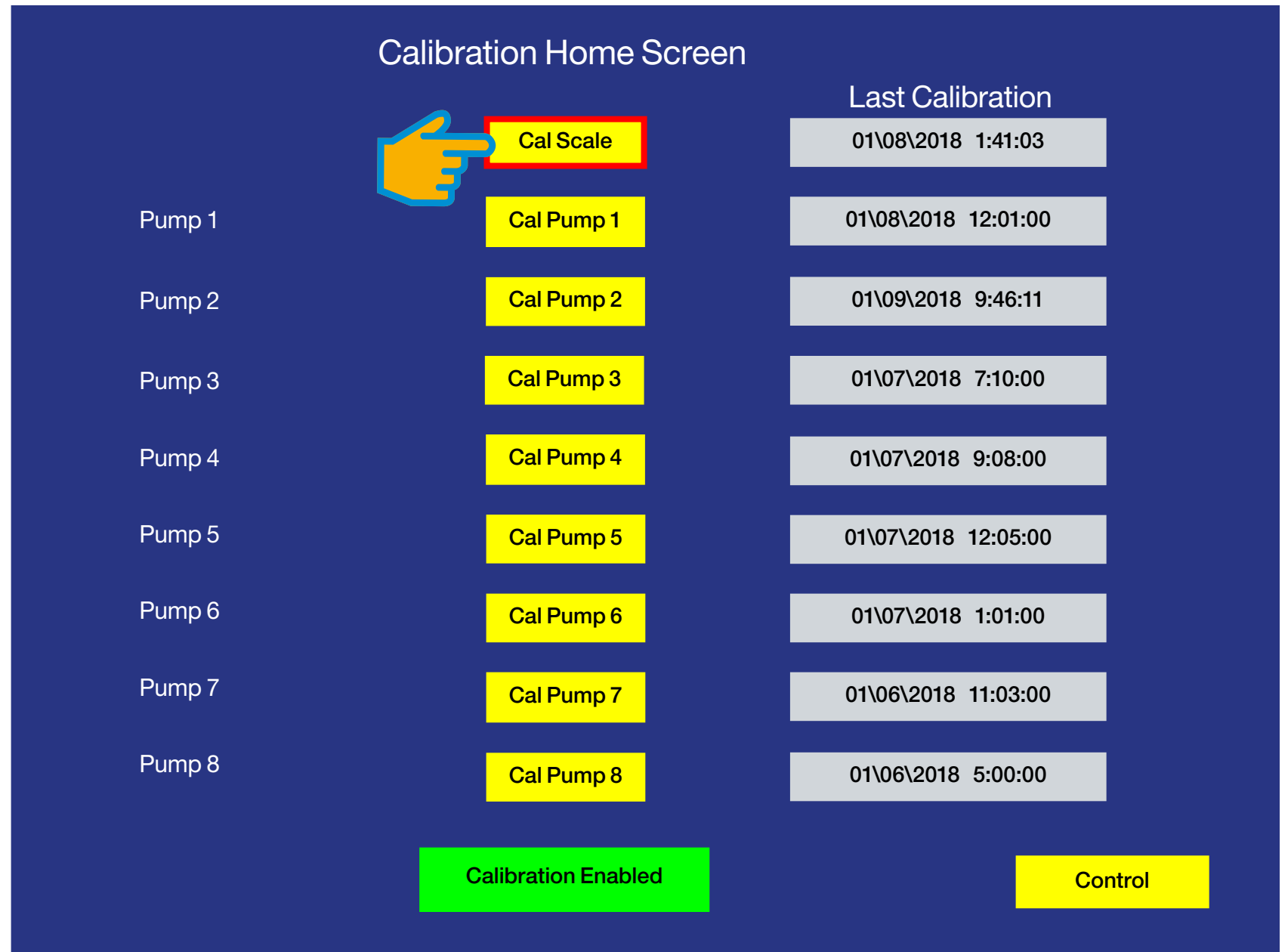> Confirmation pop-up screen appears and counts down to save to recipe. Touch the **OK** button: pop-up closes.

Step 4: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⮌

Calibration Home Screen

Last Calibration

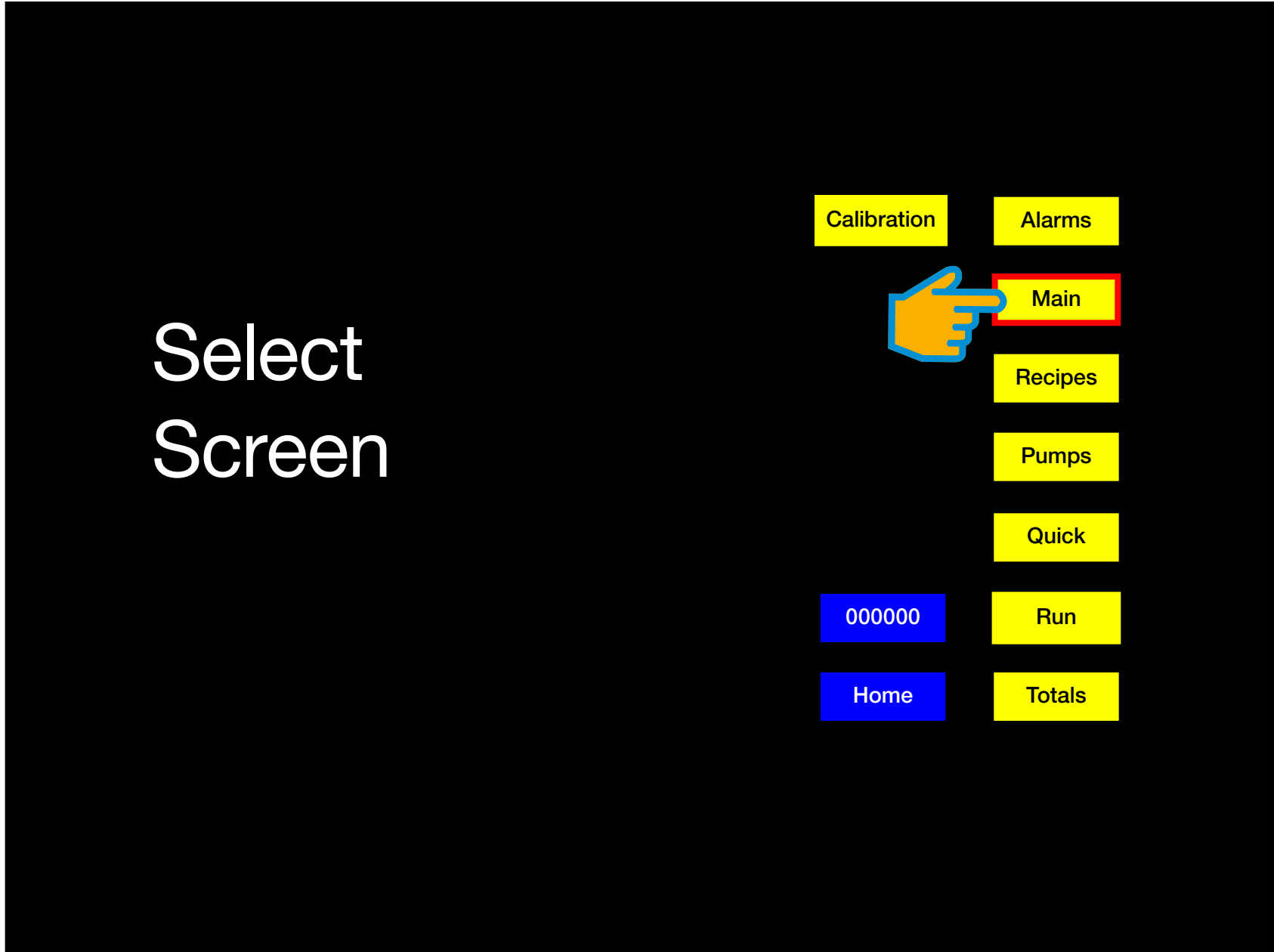|		
	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\09\2018 9:46:11
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Calibration Enabled   **Control**

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ⮌
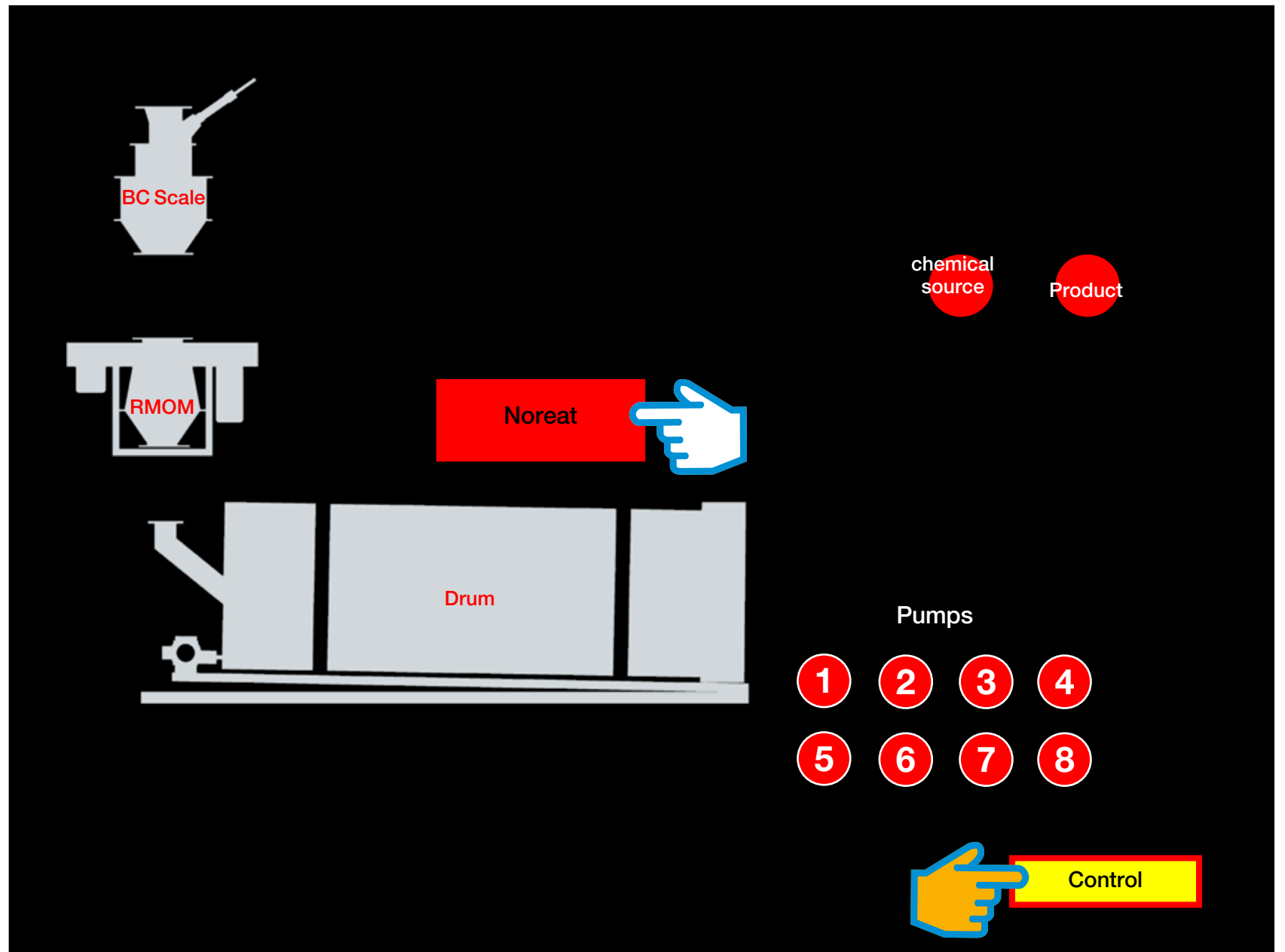
CONTROL SELECT SCREEN

Step 1: Touch the yellow **Main** button icon: navigates to the **MAIN SCREEN** ⟳

MAIN SCREEN

Step 1: Touch the red **Notreat** button icon: changes to green **Autotreat**.

End of Scale Calibration.

Proceed to Pump Calibration without Flow Meters...

Step 2: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ➲
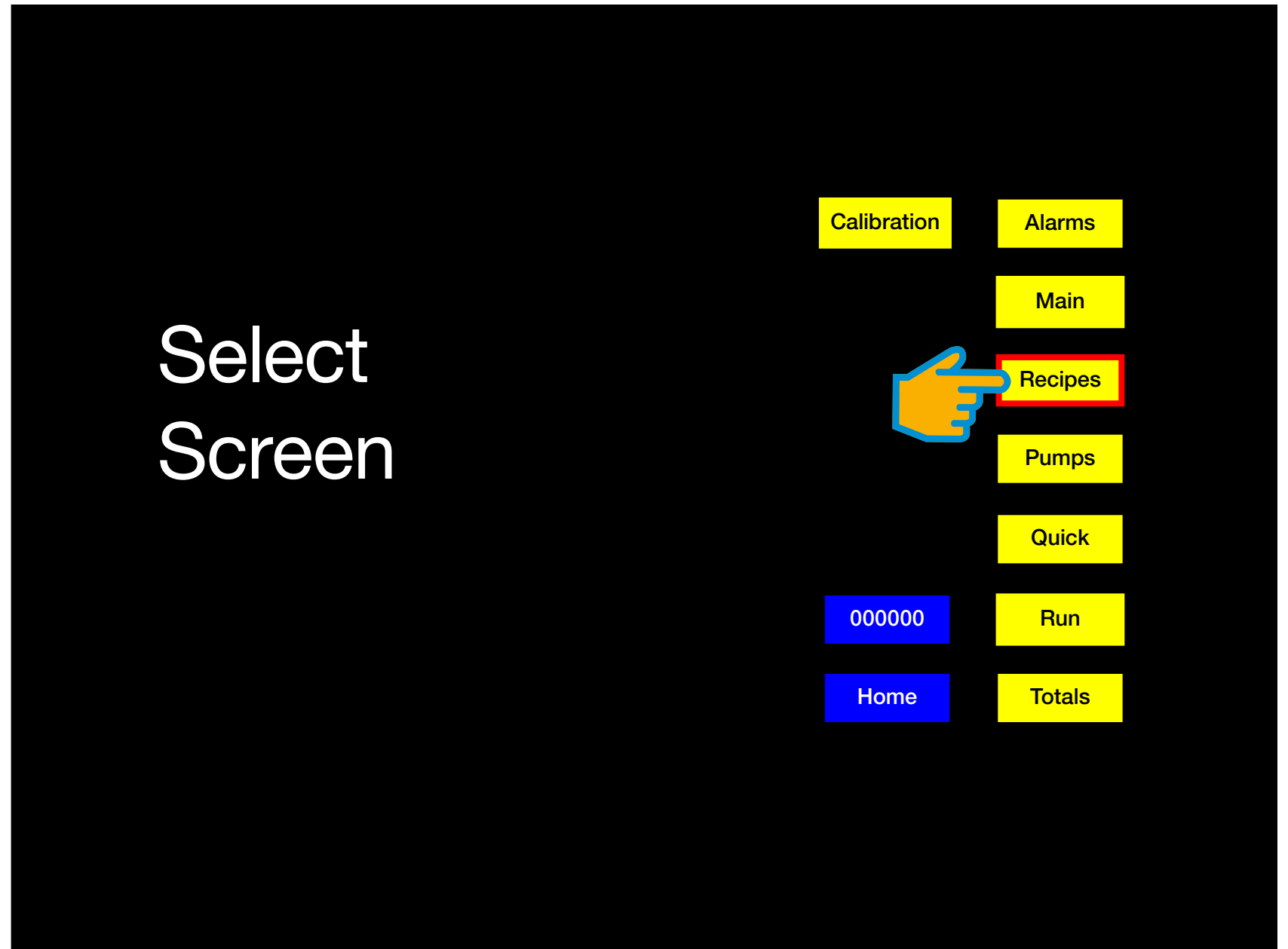
Note: calibration examples given are representative only and meant to replicate real-time calibration.

Pumps without Flow Meters

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Recipes** button icon: navigates to the **RECIPE SCREEN** ⮌

Select Screen

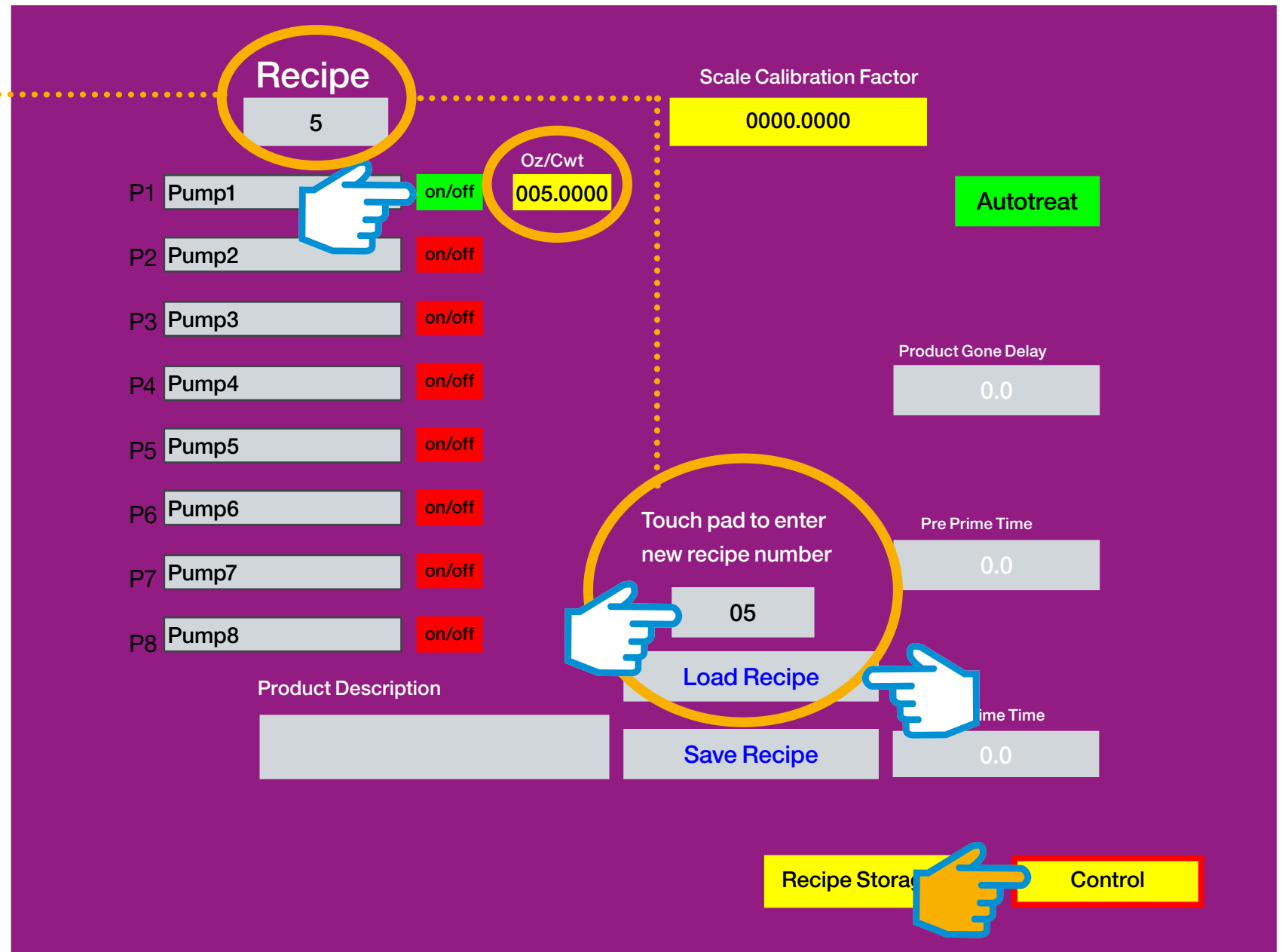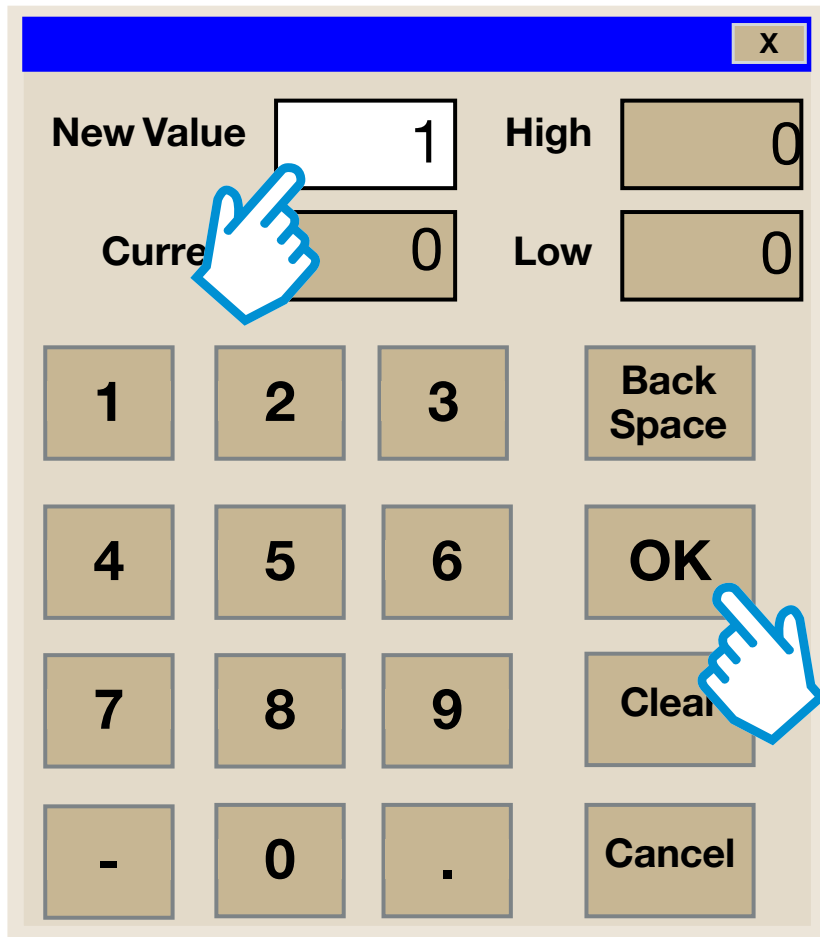|	
Calibration	Alarms
	Main
	Recipes
	Pumps
	Quick
000000	Run
Home	Totals

RECIPE SCREEN

Select the correct recipe. The number displayed on the gray box under the word **Recipe** (top left corner of screen) displays **5**. To change the recipe number...

Step 1: Touch the gray **Touch pad** button icon (center screen): enter the new recipe number on the pop-up touch key pad. Touch **OK** to close pop-up.
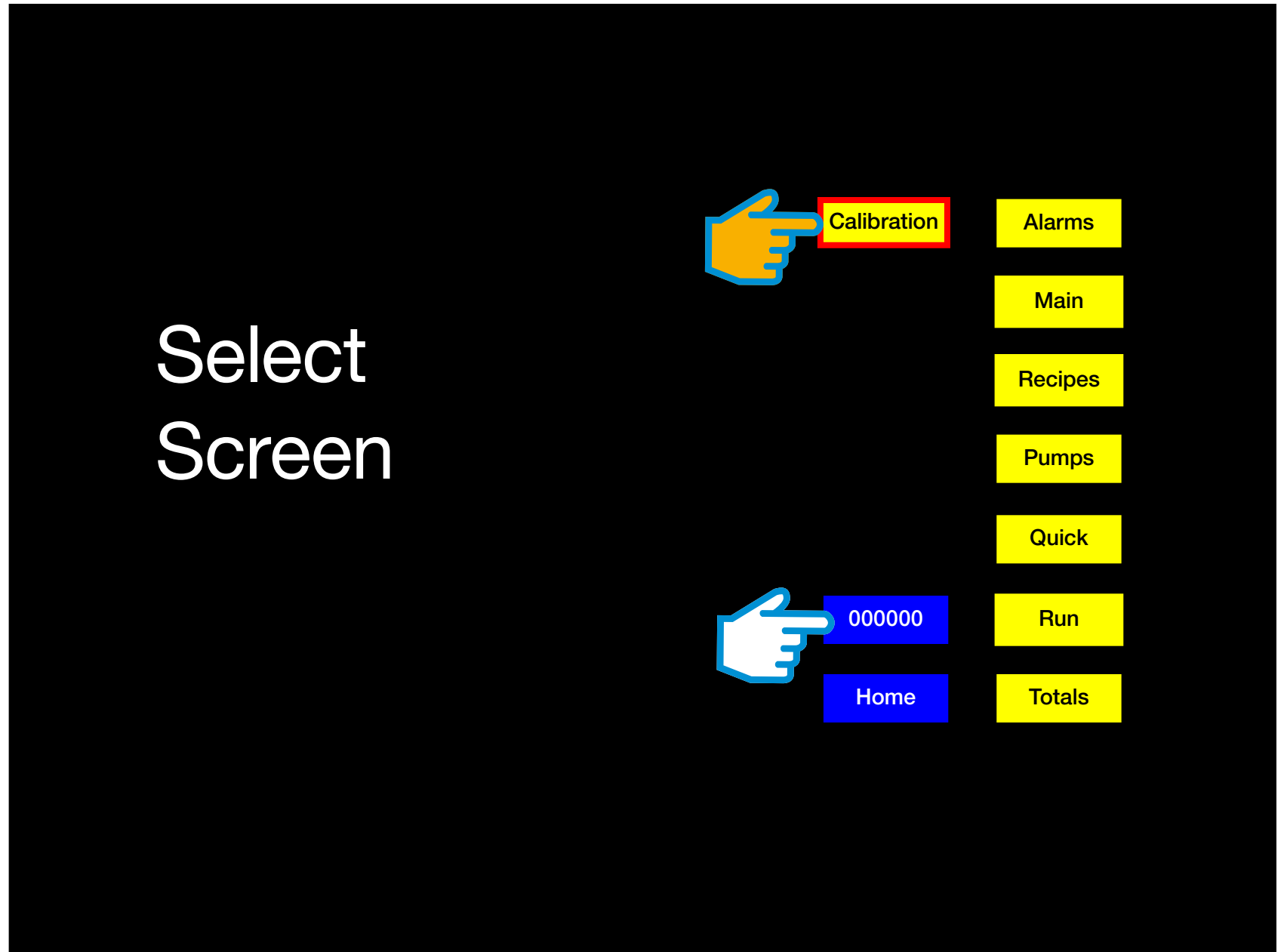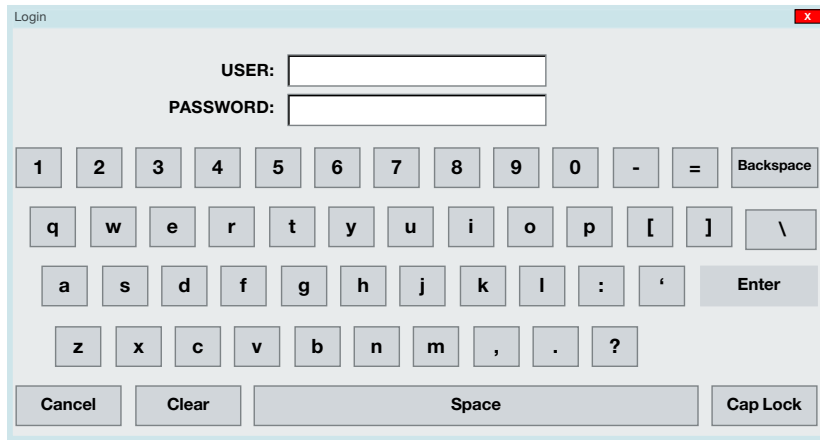
Step 2: Touch the gray **Load Recipe** button icon: the number displayed on the gray box under the word **Recipe** (top left corner of screen) displays the new number **1**.

New Value	1	High	0
Current	0	Low	0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Recipe

5

Scale Calibration Factor

0000.0000

Oz/Cwt

P1 Pump1 | on/off | 005.0000

Autotreat

P2 Pump2 | on/off

P3 Pump3 | on/off

P4 Pump4 | on/off

Product Gone Delay

0.0

P5 Pump5 | on/off

P6 Pump6 | on/off

Touch pad to enter new recipe number

Pre Prime Time

0.0

P7 Pump7 | on/off

P8 Pump8 | on/off

05

Product Description

Load Recipe

ime Time

Save Recipe

0.0

Recipe Storage | Control

Step 3: Touch each red pump **on/off** button icon (1-8) to enable each pump used (**on/off** button icon turns green). The Pump **Oz/Cwt** (Set Point value) will display, according to the recipe, on a yellow button icon next to the red/green **on/off** button icon. When finished selecting and enabling the Pumps...

Step 4: Touch the yellow **Control** button icon: navigates to the **CONTROL SELECT SCREEN** ↻

USER:

PASSWORD:

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | - | = | Backspace |

| q | w | e | r | t | y | u | i | o | p | [|] | \ |

| a | s | d | f | g | h | j | k | l | : | ' | Enter |

| z | x | c | v | b | n | m | , | . | ? |

| Cancel | Clear | Space | Cap Lock |

Select Screen

Calibration   Alarms

Main

Recipes

Pumps

Quick

000000   Run

Home   Totals

CONTROL SELECT SCREEN

Step 1: Touch the blue **000000** button icon. A pop-up keyboard will appear to enter an approved password.

Step 2: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⮌

Note: the yellow **Setup** button icon only displays on the **Calibration Home Screen** when the user is logged in with an approved password for initial setup (see page 6).

Calibration Home Screen

Last Calibration

	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Setup** button icon: navigates to the **CALIBRATION SETUP SCREEN** ⮎

CALIBRATION SETUP SCREEN

P1 Pump 1 is now enabled (ready to use), indicated by the green box, as shown above.

Step 1: Touch the **Pump 1** yellow **NUMBER** button icon: pop-up key pad appears. Enter the desired pump element number (as listed on the right of screen, 1-8): **5** = I/P-26, which theoretically has a relative value of **00767.8125**. This will be referred to as the Conversion factor later on in the calibration process.

New Value	5	High	0
Curre	0	Low	0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clea
-	0	.	Cancel

Flow Meter

P1	Pump1	5	
P2	Pump2	5	■
P3	Pump3	5	■
P4	Pump4	5	■
P5	Pump5	5	■
P6	Pump6	5	■
P7	Pump7	5	■
P8	Pump8	5	■

1: 505/w 1.6mm element
2: 505/w 3.2mm element
3: 505/w 4.8mm element
4: 505/w 6.4mm element
5: I/P-26
6: I/P-73
7: B/T-86
8: 00000.0000

Pump Setup Screen
(For setup of pumps prior to Calibration)

WARNING
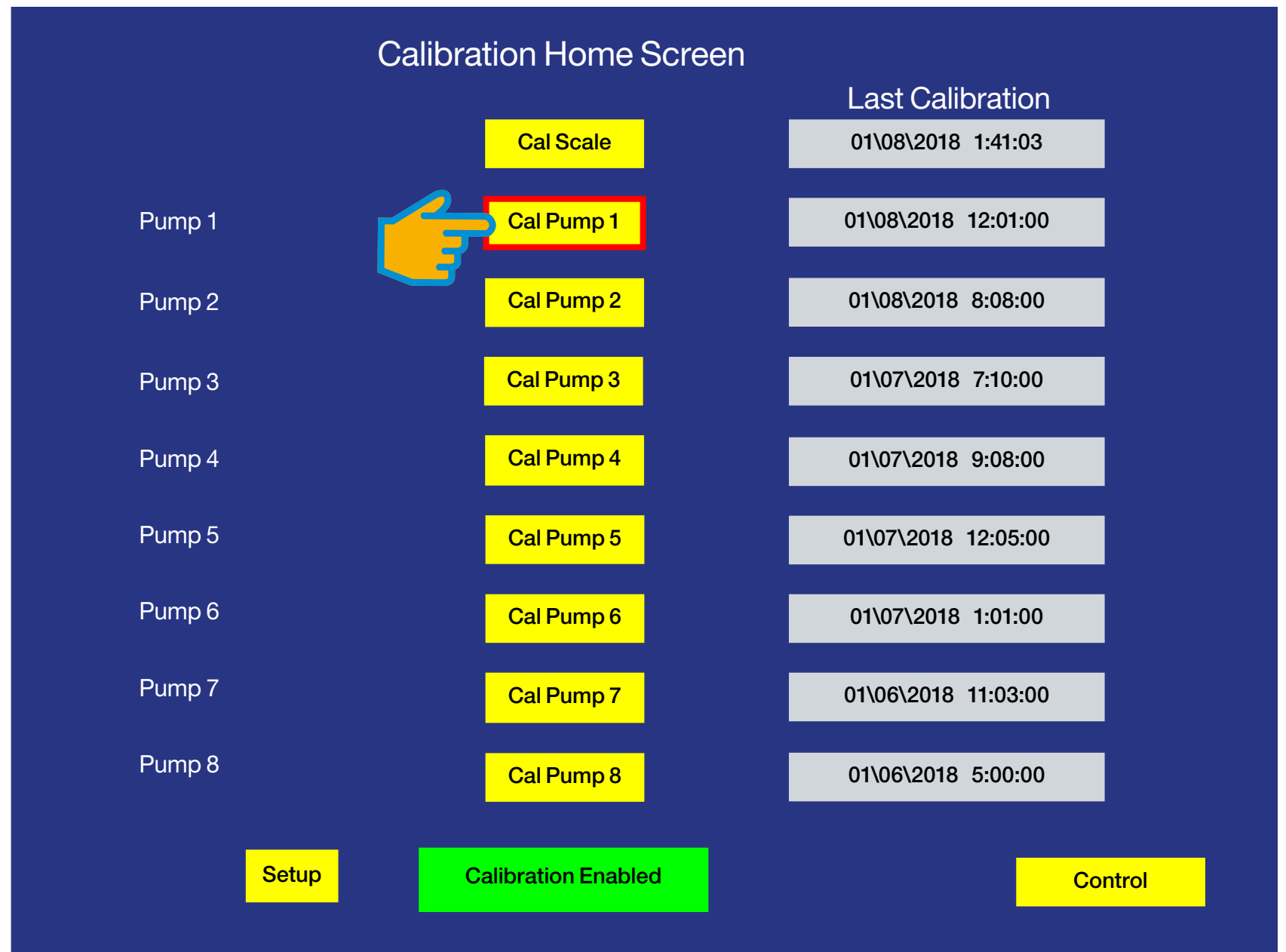Pressing any of these eight keys will affect that pump's calibration

| P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 |

Flow Meter S   Calibration

Step 2: Touch the yellow **P1** button icon to synchronize the pump flow rate to the pump element selected (previous step).

Step 3: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ⟳

Calibration Home Screen

Last Calibration

	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Cal Pump 1** button icon: navigates to the **PUMP 1 CALIBRATION SCREEN** ➲

PUMP 1 CALIBRATION SCREEN

> The P1 Pump 1 **Setpoint** value has been configured in the recipe to treat **5** ounces per hundred weight (Oz/Cwt), as shown right.

> The **Conversion** factor box displays a value of **00767.8125**, as shown above (I/P-26 theoretically has a relative value of **00767.8125**,refer to page 47). This is the optimal value of a new element running water through the I/P-26 Pump.

Step 1: Touch the yellow **Test Weight** button icon: enter a realistic test weight **400**, touch **OK** and pop-up closes.

Step 2: Touch the yellow **Test Time** button icon: enter a realistic test time **120** (seconds = 2 minutes), touch **OK** and pop-up closes.

Pump 1 Calibration Screen

Measured	Test Time	Test Weight	Setpoint
0000.00	120	400	005.0000
ounces	Seconds	Lbs/min	

Total	Countdown	Conversion	
0000.00	000	00767.8125	Reset
ounces			

Rate

Start	0020.00	Calculate
	Oz/min	

Calibration

New Value 400   **High** 0

Curre 0   **Low** 0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Theoretically, running **400lbs/min @ 5oz/cwt** with a **Conversion** factor of **00767.8125** would run the pump **120** seconds (2 minutes) and deliver an output rate of **20/oz/min**. for a total of **40** ounces total.

Step 3: Touch the yellow **Reset** button icon: resets the blue Total box value to zero.

Step 4: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ↻

Calibration Home Screen

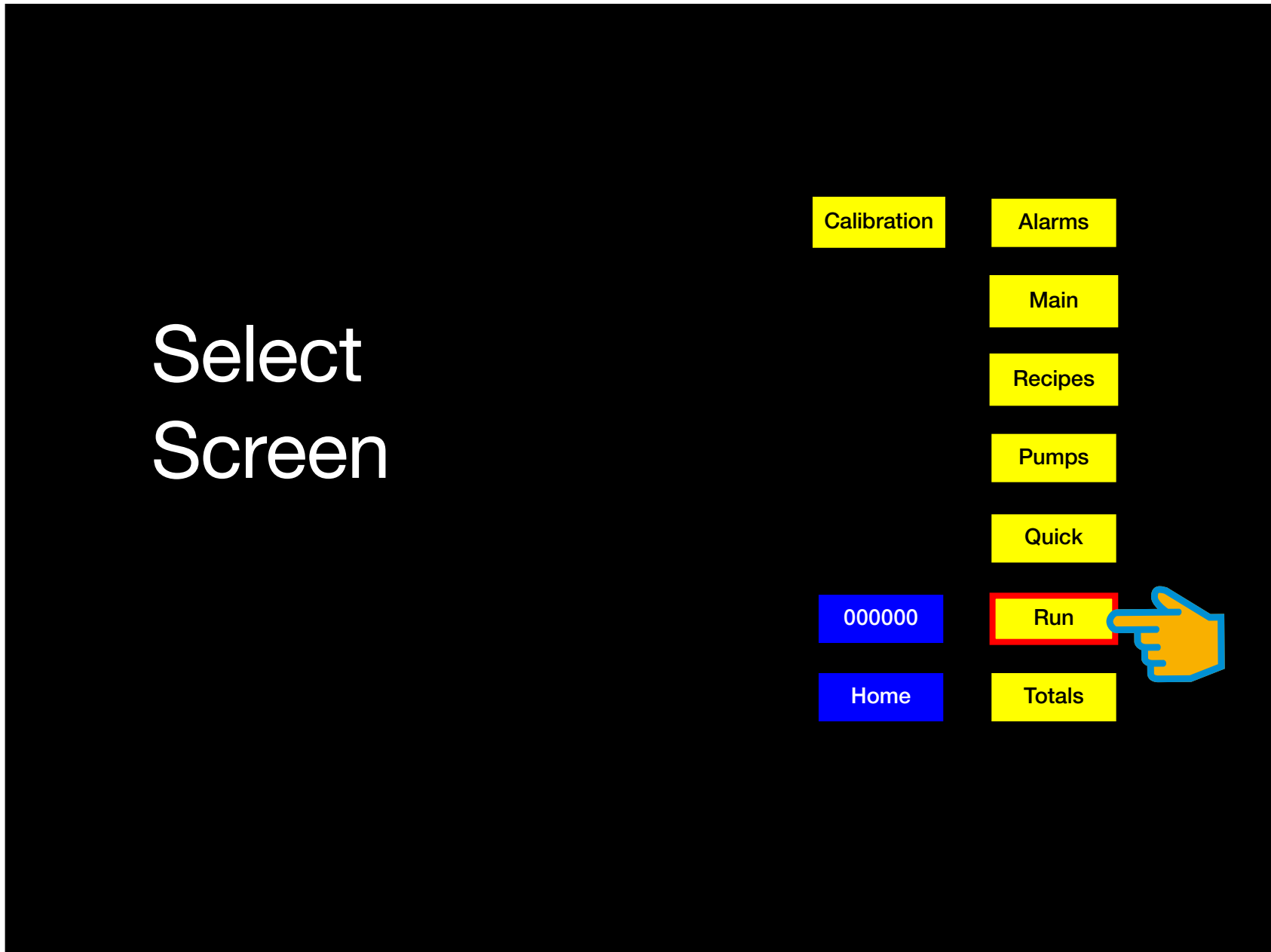|		Last Calibration
	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Control** button icon: navigates to the **CONTROL SCREEN** ⮌

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Run** button icon: navigates to the **RUN SCREEN** ➲

PUMP PRIME

CBP TANKS WITHOUT TOP CALIBRATION

Step 1: Close the Calibration Valve.

Step 2: Open the Bulkhead Valve.

Power	BCS on/off	PWR SG		No Product	chemical source	

Power
Off
Hopper

BCS on/off
PWR SG
R.M.O.M on/off
AIR
No Product

chemical source
Lbs/min: 0354.9 | Totals Pounds: 00990.5

	Pumps	PWR	Prime	Oz/min	Totals Gallons
Pump1	on/off	■	▢	0017.82	000.04
Pump2	on/off	■	▢	0035.64	000.08
Pump3	on/off	■	▢	0000.00	000.00
Pump4	on/off	■	▢ (Full Prime)	0000.00	000.00
Pump5	on/off	■	▢	0000.00	000.00
Pump6	on/off	■	▢	0000.00	000.00
Pump7	on/off	■	▢	0000.00	000.00
Pump8	on/off	■	▢	0000.00	000.00

Enable AutoStop

Auto Mode Enabled

System | Start | Stop | Totals | Control

### RUN SCREEN Pump Prime - CBP Tanks without Top Calibration

Step 3: Touch and hold the red Pump 1 **Prime** button icon (turns yellow) to manually run the pump, circulating chemical product through the lines for a few minutes (3-5). Release holding the **Prime** button icon to stop running the pump ➲

FILL THE CALIBRATION CYLINDER

CBP TANKS WITHOUT TOP CALIBRATION

Step 1: Close the Bulkhead Valve.
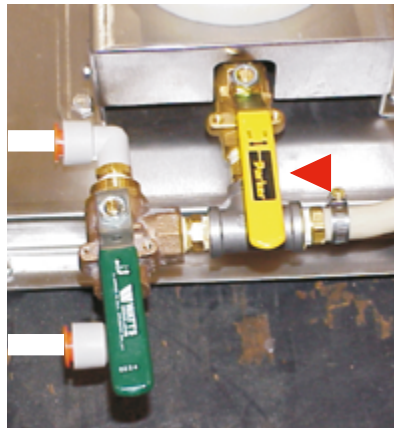
Step 2: Open the Calibration Valve.

Step 3: Open the CBP Bulkhead Valve and fill the Graduated Cylinder up to the **TOP** line. Record this number for pump calibration .

Continued ➲

Example:
42 ounces of chemical filled the Calibration Cylinder up to the top line. Record this number for Pump Calibration.

**Step 4:** Close the CBP Bulkhead Valve.

Step 5: Close the Calibration Valve to the Graduated Cylinder. This will return chemical product back into the CBP tank during pump calibration.

Power	BCS	PWR	No Product	chemical source	
Off	on/off	SG		Lbs/min	Totals Pounds
	R.M.O.M			0354.9	00990.5
Hopper	on/off	AIR		Oz/min	Totals Gallons

	Pumps	PWR	Prime		Oz/min	Totals Gallons
Pump1	on/off	■	■		0017.82	000.04
Pump2	on/off	■	■		0035.64	000.08
Pump3	on/off	■	■		0000.00	000.00
Pump4	on/off	■	■	Full Prime	0000.00	000.00
Pump5	on/off	■	■		0000.00	000.00
Pump6	on/off	■	■		0000.00	000.00
Pump7	on/off	■	■		0000.00	000.00
Pump8	on/off	■	■		0000.00	000.00

Enable AutoStop

Auto Mode Enabled

System   Start   Stop   Totals   Control

RUN SCREEN Pump Prime - CBP Tanks without Top Calibration

Step 6: Touch the yellow **Control** button icon ➲
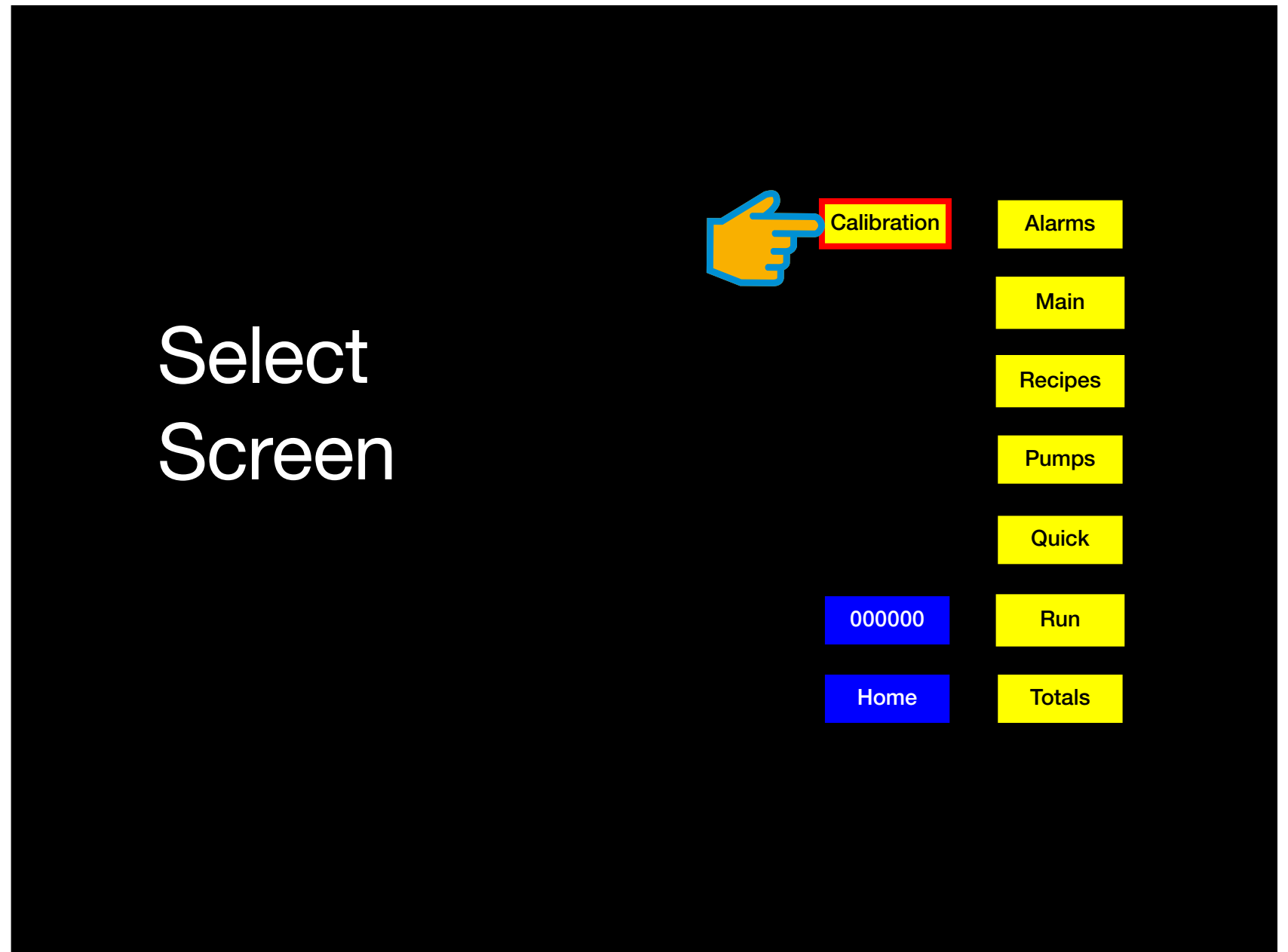
Select Screen

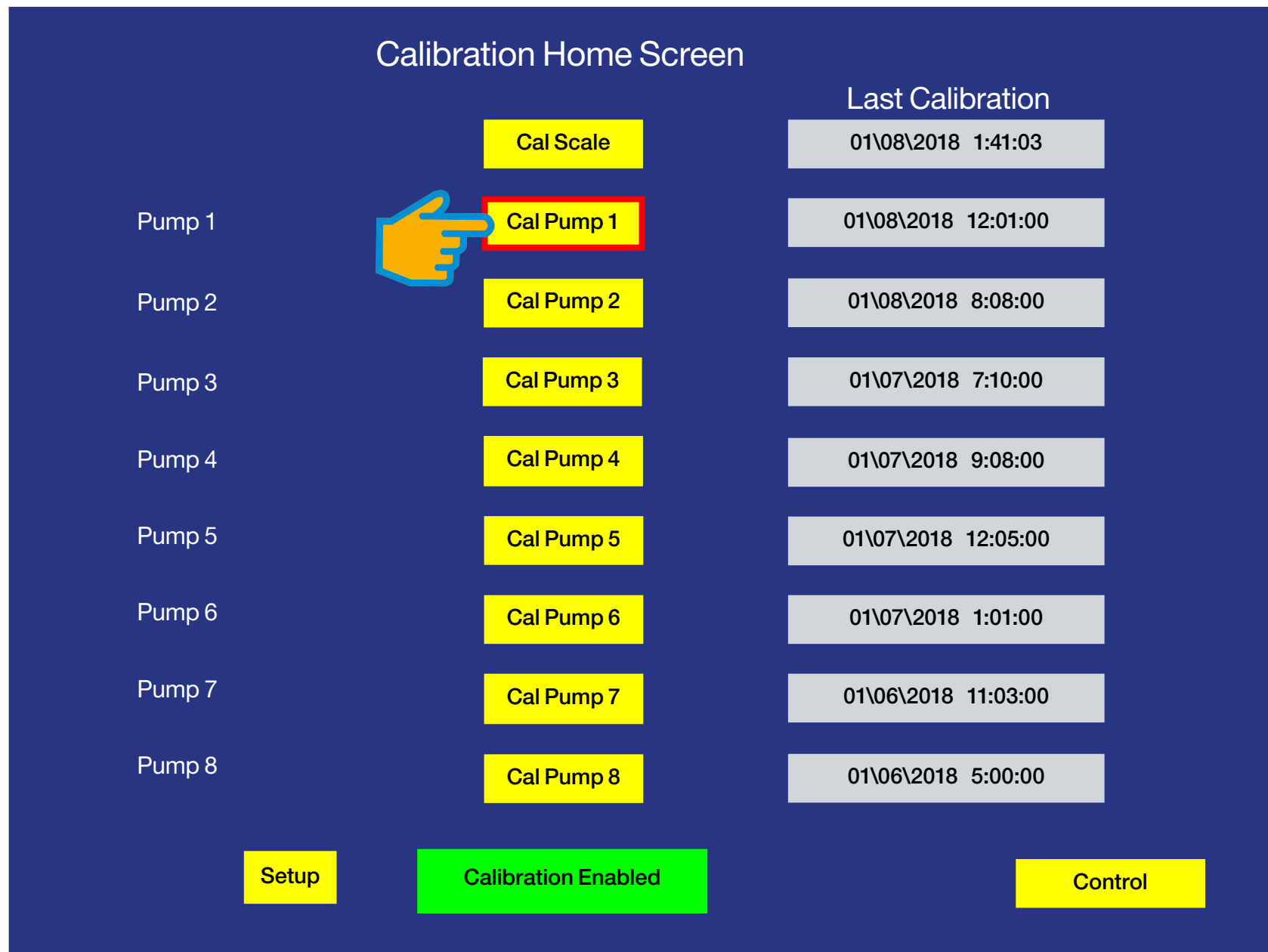|	
👉 Calibration	Alarms
	Main
	Recipes
	Pumps
	Quick
000000	Run
Home	Totals

CONTROL SELECT SCREEN

Step 1: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ➲

Calibration Home Screen

		Last Calibration
	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\08\2018 12:01:00
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control

CALIBRATION HOME SCREEN

Step 1: Touch the yellow **Cal Pump 1** button icon: navigates to the **PUMP 1 CALIBRATION SCREEN** ➲

Example:
*42 ounces of chemical filled the Calibration Cylinder up to the top line. Record this number for Pump Calibration.

Pump 1 Calibration Screen

Measured	Test Time	Test Weight	Setpoint
0000.00	120	400	005.0000
ounces	Seconds	Lbs/min	

Total	Countdown	Conversion	
0040.00	000	00767.8125	Reset
ounces			

	Rate	
Start	0020.00	Calculate
	Oz/min	

Calibration

PUMP 1 CALIBRATION SCREEN

Step 1: Touch the yellow **Start** button icon (turns green, indicating the pump is running and emptying the graduated Calibration Cylinder).

> The **Countdown** blue box begins at **120-0** seconds and the **Total** blue box increases **0-40*** ounces (theoretically) ➲

Example:
*Theoretically, running **400lbs/min @ 5oz/cwt** with a **Conversion** factor of **00767.8125** would run the pump **120** seconds (2 minutes) and deliver an output rate of **20/oz/min**. for a total of **40** ounces total, refer to page 56.

PUMP 4 CALIBRATION SCREEN

> Once the Pump times out, the **Total** blue box displays the theoretical* value of **41.20** ounces. The actual amount of chemical pumped was **42** ounces (refer to page 56).

Step 1: Touch the yellow **Measured** box icon and enter **42** on the pop-up touch key pad. The **Measured** value is different than **Total** ounces pumped value.

Pump 1 Calibration Screen

Measured	Test Time	Test Weight	Setpoint
0000.00	120	400	005.0000
ounces	Seconds	Lbs/min	

Total	Countdown	Conversion	
0041.20	000	00731.2387	Reset
ounces			

Rate
0020.00
Oz/min

Start   Calculate

Calibration

New Value 42   **High** 0
Curre... 0   **Low** 0

1	2	3	Back Space
4	5	6	OK
7	8	9	Clear
-	0	.	Cancel

Step 2: Touch the yellow **Calculate** button icon: the **Conversion** button icon turns red and the value changes (fine tunes); displays a new value of **00731.2387** (due to wear or a thicker chemical than water was run through the pump).

Step 3: Touch the yellow **Calibration** button icon: navigates to the **CALIBRATION HOME SCREEN** ↪

Calibration Home Screen

Last Calibration

	Cal Scale	01\08\2018 1:41:03
Pump 1	Cal Pump 1	01\11\2018 10:19:33
Pump 2	Cal Pump 2	01\08\2018 8:08:00
Pump 3	Cal Pump 3	01\07\2018 7:10:00
Pump 4	Cal Pump 4	01\07\2018 9:08:00
Pump 5	Cal Pump 5	01\07\2018 12:05:00
Pump 6	Cal Pump 6	01\07\2018 1:01:00
Pump 7	Cal Pump 7	01\06\2018 11:03:00
Pump 8	Cal Pump 8	01\06\2018 5:00:00

Setup   Calibration Enabled   Control
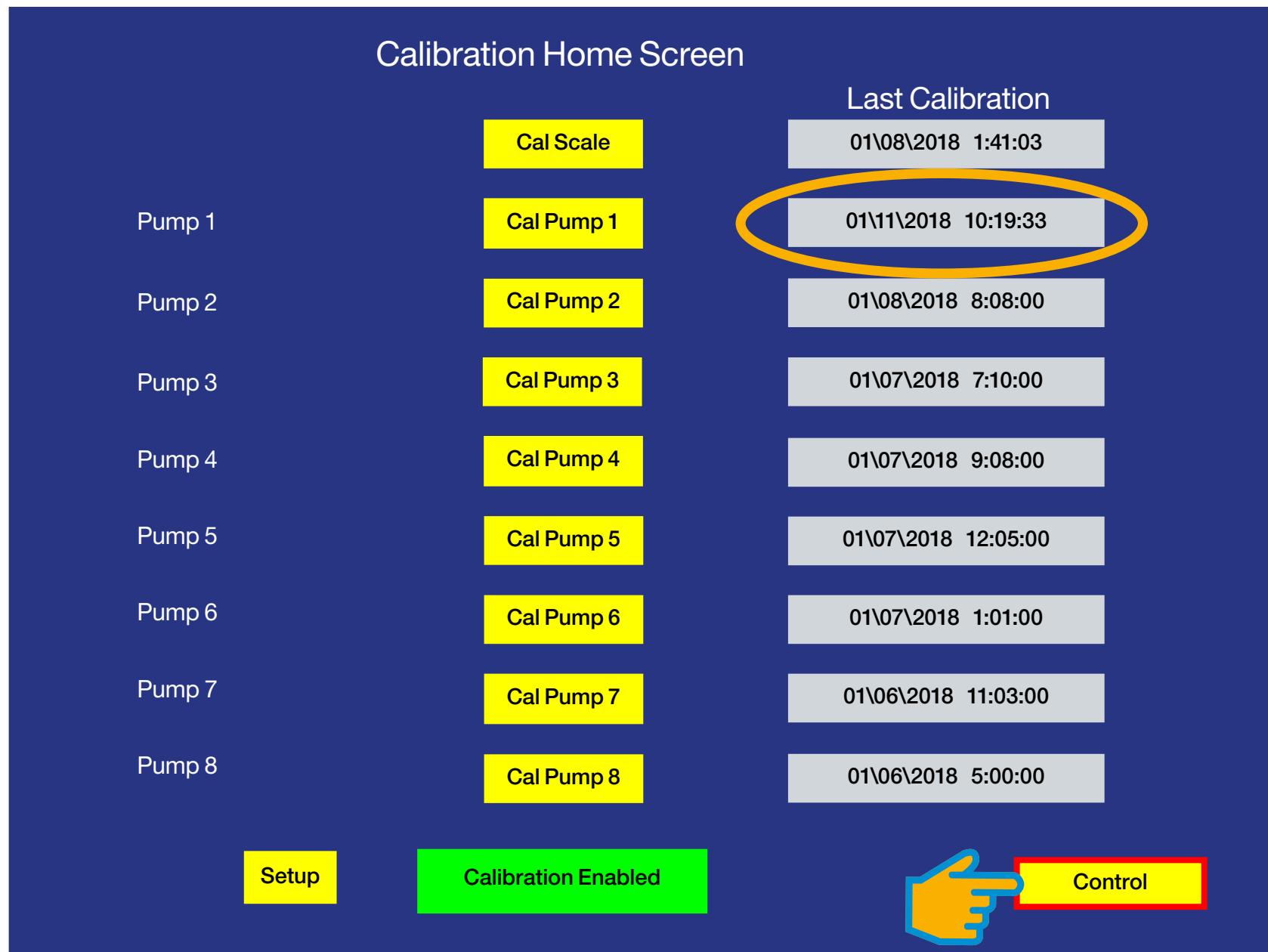
CALIBRATION HOME SCREEN

Repeat Calibration steps shown on pages 44-58 for Pumps **2-8**, depending how many pumps will be used according to the recipe.

End of Pump Calibration.

Step 1: Touch the yellow **Control** button icon: navigates to **CONTROL SELECT SCREEN** ⟳
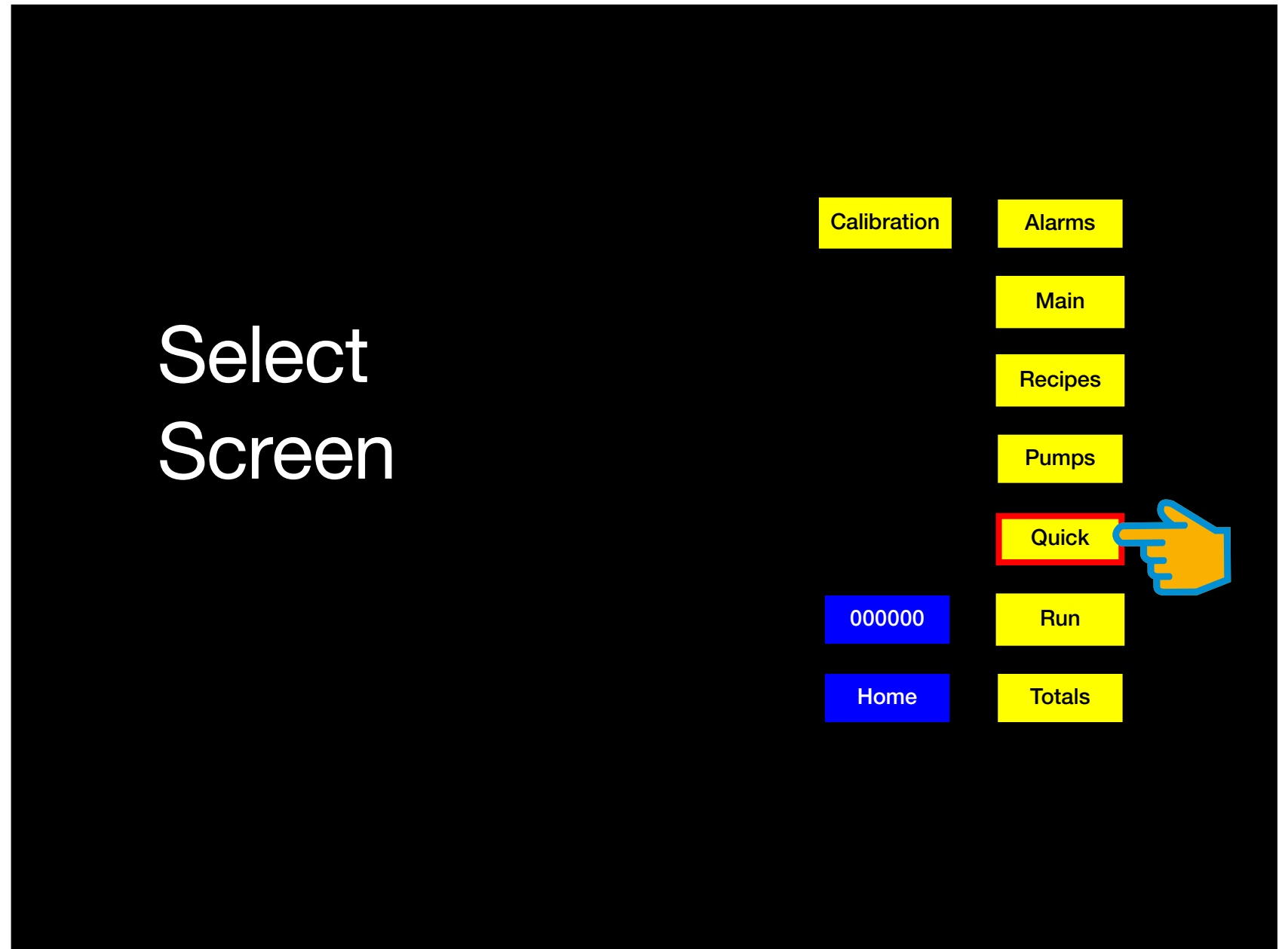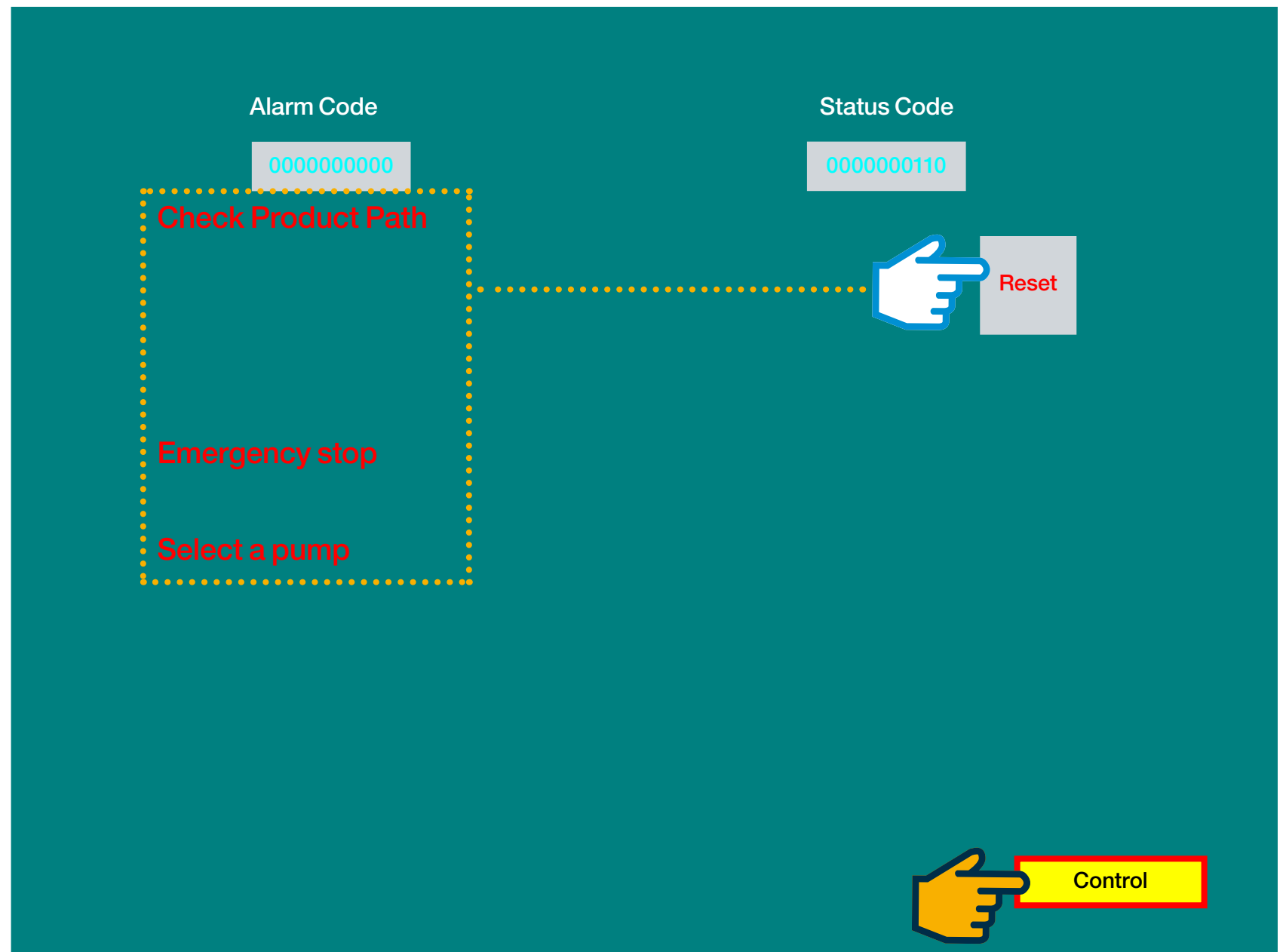
CONTROL SELECT SCREEN

The following pages explain the purpose and functionality of extra screens in the program.

Step 1: Touch the yellow **Quick** button icon: navigates to **QUICK SCREEN** ⟳

Select
Screen

Calibration	Alarms
	Main
	Recipes
	Pumps
	Quick
000000	Run
Home	Totals

QUICK SCREEN

The Quick screen displays each alrm encountered with the system, where users can acknowledge and remove them.

Step 1: Touch the gray **Reset** button icon: removes the alrms listed in red on the left side of the screen.

Step 2: Touch the yellow **Control** button icon: navigates to **CONTROL SELECT SCREEN** ➲
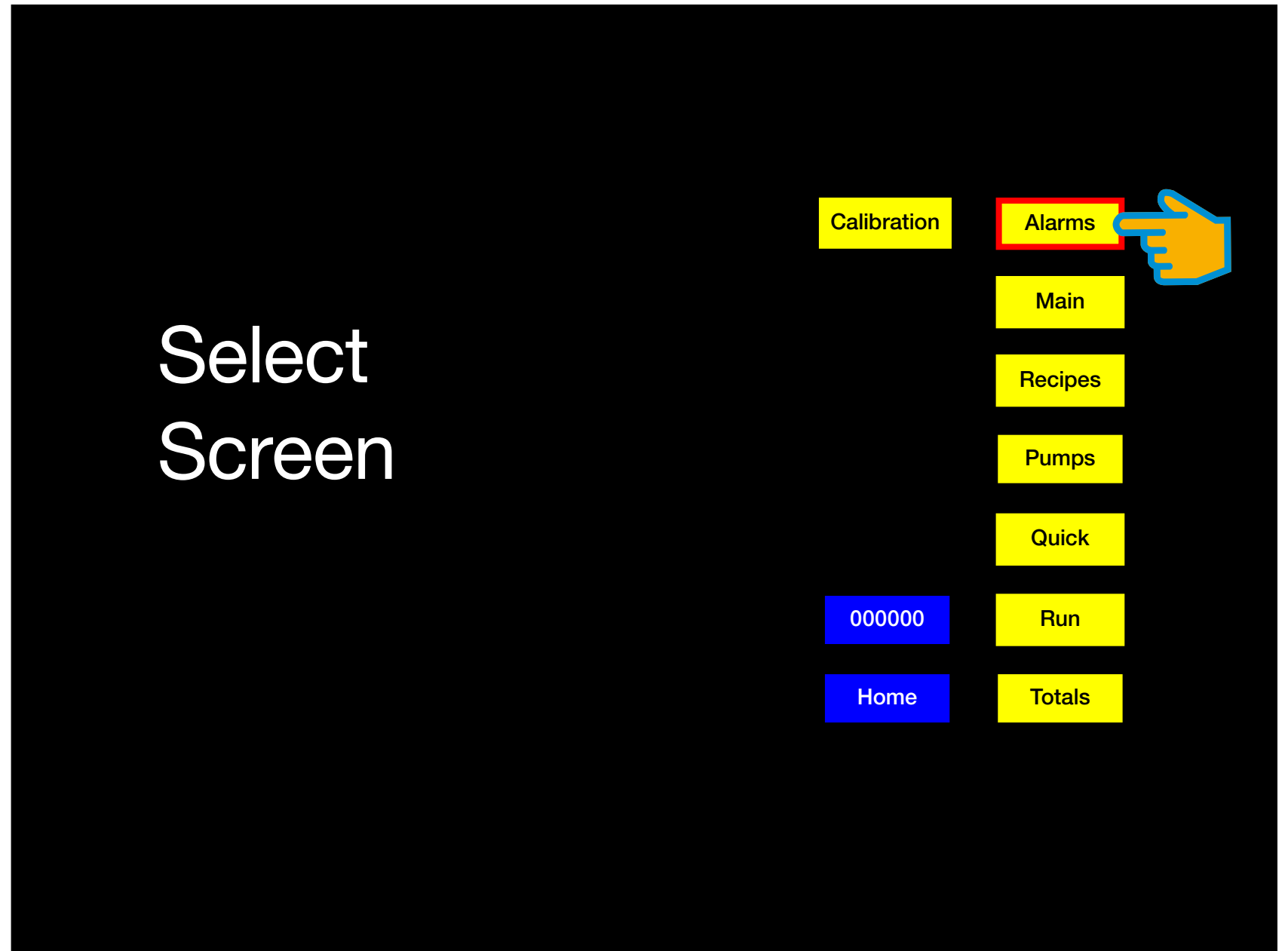
CONTROL SELECT SCREEN

Step 1: Touch the yellow **Alarms** button icon: navigates to **ALARMS SCREEN** ⟳

Select
Screen

Calibration   Alarms

Main

Recipes

Pumps

Quick

000000   Run

Home   Totals

Alarms

|			
1/2/2018	9.21:35	ChemicalLow	TRUE
1/3/2018	13.01:11	NoPumpSelected	TRUE
1/4/2018	11.11:11	EmergencyStop	TRUE
1/5/2018	8.31:30	ChemicalLow	TRUE
1/6/2018	7.22:05	NoPumpSelected	TRUE
1/7/2018	13.44:40	EmergencyStop	TRUE

Debug   Control

ALARMS SCREEN

The **Alarms** screen is view only, which displays a historical list of all the alrms issued by the system.

Step 1: Touch the yellow **Control** button icon: navigates to **CONTROL SELECT SCREEN** ➲

Select Screen

Calibration		Alarms
		Main
		Recipes
		Pumps
		Quick
000000		Run
Home		Totals
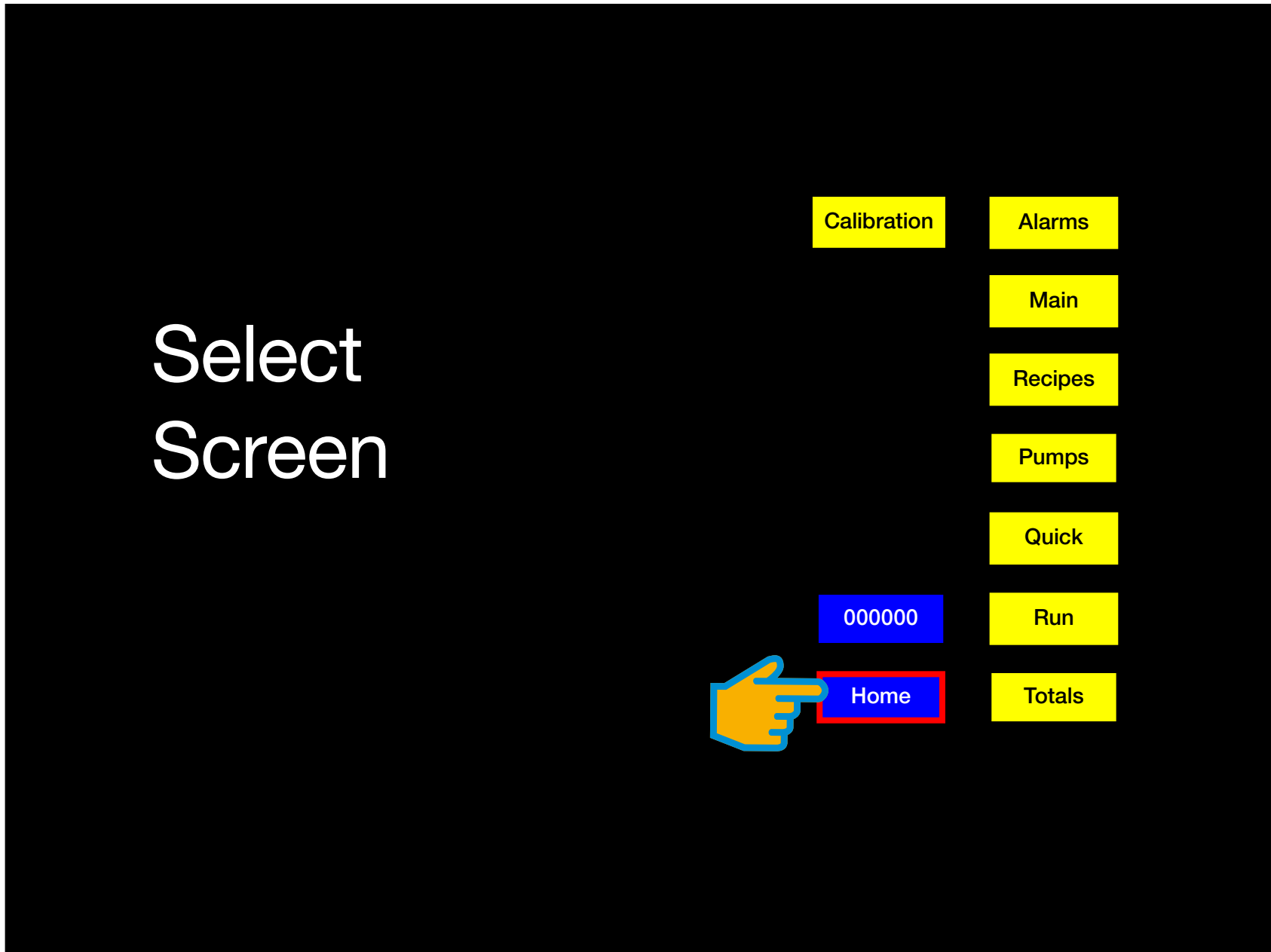
CONTROL SELECT SCREEN

End of manual.

Step 1: Touch the blue **Home** button icon: navigates to **HOME SCREEN** ➲

Bayer
Crop Science Division
1451 Dean Lakes Trail
Shakopee, MN 5379
USA

Telephone
+1-952-445-6868

Toll free:
+1-855-363-3152

Visit us on:
www.seedgrowth.bayer.com

Bayer™ and the Bayer Cross™ are registered trademarks of Bayer.

GLCPSOPERATIONS20211022