FETCO USER'S GUIDE & OPERATOR INSTRUCTIONS

FETCO COFFEE BREWER: CBS-1130 EXTRACTOR® V+™





CBS-1131-XV+

CBS-1132-XV+

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P166
MARCH 2018



Specifications and Requirements

Water Requirements:

CBS-1130 XV+ 20-75 psig, (138-517kPa) 1½gpm/(5.7lpm) Water supplied to hot beverage equipment should be filtered

Water supplied Hardness >100 TDS (5.5 grain)

Water inlet fitting: 3/8 inch male flare.

Brew Volume: Full Batch Up to 1 gallon/ 3.8 liters per brew

Temperature, as set by factory: 200°F (93°C) inside water tank (at sea level)

Standard—13" X 5" FETCO # F002

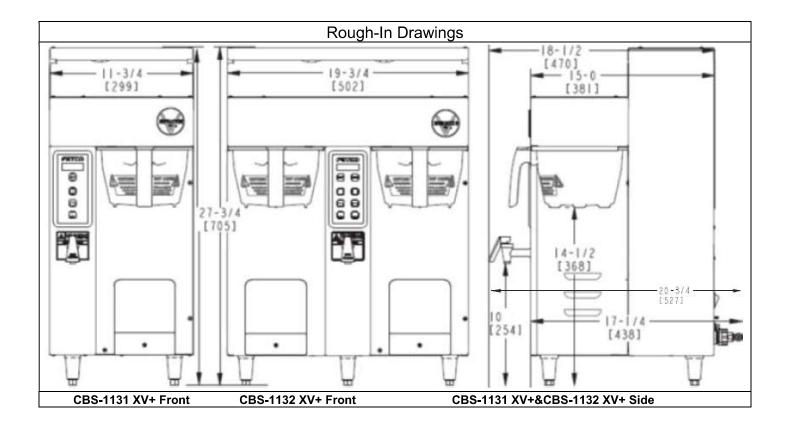
Coffee Filter Size:

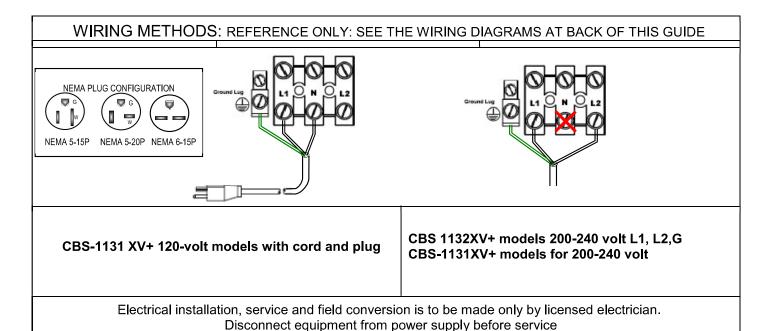
Electrical: See electrical configuration chart.

Total Brew Cycle—Factory default setting: 5.5 minutes=[4 minute brew time + 1.5 minute drip delay] (all recipes)

Brew-Process parameters are user controllable for:

Brew Volume, Brew Time, Prewet Percent and Prewet Delay, Drip Delay





Electrical	Electrical and Output Specifications for CBS-1131 XV+ Single 3 Liter 1 Gallon-Coffee Brewers							
Domestic U	SA and Canada	С	BS-113	1 XV+ S	tandard-Voltage	With cUL/	UL & NSF-4	4 Certification
Configuration Codes	Heater Configuration	Voltage	Phase	Wires	Electrical Connection	KW	Amp Draw	Brew-Volume/Hour
E113153	1 X 1.5 kW	100-120	1	2+G	NEMA 5-15P	1.6	13.0	3.9 gal/14.8 liters
E113151	1 X 2.3 kW	100-120	1	2+G	NEMA 5-20P	2.4	19.7	5.8 gal/22 liters
E113157	1 X 3.0 kW	200-240	1	2+G	NEMA 6-15P	3.1	13.0	7.7 gal/29.1 liters
Domestic &	International Ver	sions C	BS-1131	1 XV+	With cUL/UL & N	SF-4 Certi	fication	
E113155	1 X 2.3 kW	200-240	1	2+G	Terminal Block	2.4	10.0	5.8 gal/22 liters
E113191	1 X 3.0 kW	200-240	1	2+G	Terminal Block	3.1	13.0	7.7 gal/29.1 liters
Export/Japa	n XV+	С	BS-113	1 With cl	JL/UL & NSF-4 C	ertificatior	1	
E113180	1 X 2.3 kW	100	1	2+G	Terminal Block	1.7	16.7	3.1 gal/14.0 liters
E113181	1 X 2.3 kW	200	1	2+G	Terminal Block	1.7	8.3	5.0 gal/21 liters
E113182	1 X 3.0 kW	200	1	2+G	Terminal Block	2.2	10.8	7.7 gal/29.1 liters
CE With Internal EMI Filter CBS-1131 XV+ With CE & NSF-4 Certification. Not cUL or UL Listed					or UL Listed			
E113169(CE)	1 X 2.3 kW	230	2	L,N,PE	Terminal Block	2.2	9.6	5.8 gal/22 liters
E113167(CE)	1 X 3.0 kW	230	2	L,N,PE	Terminal Block	2.8	12.4	7.7 gal/29.1 liters

Electrical	Electrical and Output Specifications-for CBS-1132 XV+ Twin 3 Liter 1 Gallon-Coffee Brewers							
Domestic US	A and Canada	C	:BS-113	2 XV+ Fi	eld Select Electri	cal With	cUL/UL & NS	SF-4 Certification
Configuration Code	Heater Configuration	Voltage	Phase	Wires	Electrical Connection	KW	Amp Draw	Brew-Volume/Hour
E113251	2 X 2.3 kW	200-240	1	2+G	Terminal Block	4.7	19.7	11.0 gal/42.0 liters
E113252	2 X 3.0 kW	200-240	1	2+G	Terminal Block	6.1	25.5	14.3 gal/54 liters
Export/Japan		C	:BS-113	2 XV+ W	ith cUL/UL & NS	F-4 Certifi	cation	
	2 X 2.3 kW	200-240	1	2+G	Terminal Block	4.7	19.7	11.0 gal/42.0 liters
E113291	2 X 3.0 kW	200-240	1	2+G	Terminal Block	6.1	25.5	14.3 gal/54 liters
CE With Inte	rnal EMI Filter.	C	BS-113	2 XV+ Wi	th CE & NSF-4 C	ertificatio	n. Not cUL o	or UL Listed
(CE) E113262	2 X 3.0 kW	230/400	2	2L,N,PE	Terminal Block	5.6	12.4	14.9 gal/56 liters
(CE) E113264	2 X 2.3 kW	230/400	2	2L,N,PE	Terminal Block	4.3	9.6	11.0 gal/42.0 liters
(CE) E113266	2 X 3.0 kW	230	1	L,N,PE	Terminal Block	5.6	24.4	14.3 gal/54 liters
(CE) E113268	2 X 2.3 kW	230	1	L,N,PE	Terminal Block	4.3	18.8	5.8 gal/22 liters

NEMA PLUG CONFIGURATION



ELECTICAL CONNECTION NOTE

The CBS-1130XV+ 3 liter/1gallon brewers are shipped with either a factory installed cord & plug or a terminal block configuration. Terminal block connection to the electrical mains must be made by a licensed electrician following all local electrical codes. The connection to the terminal block may be with a user supplied cord and plug, or directly connected according to local electrical codes and power requirements of the equipment.

In all cases, any power cord installation is to be connected to a single branch circuit only

Starting The Brew

READY READY

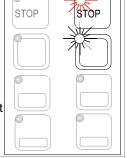
STOP

- 1. Turn the power switch "ON". (Twin Shown)
- 2. Prepare a brew basket with the correct size filter and appropriate amount of coffee.
- 3. Slide the brew basket completely into the rails.
- 4. Place a clean, empty, preheated dispenser under the brew basket.
- 5. Select a batch & hold the corresponding BREW button in for 1 second to start
- 6. -STOP button will illuminate.
 - -Countdown time will display,
 - -Selected BREW button will flash to indicate brew is in progress.
 - -All other BREW buttons for that brew head will extinguish.
- 7. When the brew cycle is finished,

STOP button will extinguish and the BREW button will continue to flash for the amount of time programmed into the DRIP DELAY setting.

This indicates that coffee may still be dripping from the brew basket For safety- do not remove brew basket until drip-out is complete.

Twin Brewer ready to brew. Pressing top right brew position



BRFW

05:30

READY

Brewing-see #6 above

Enter Programming

Screens shown are for twin brewer. Single brewer will not have menu A4-A6.

There are five menu groups-A-E. See the following pages for the batch parameter definitions and all settings for the brewer

TO ENTER PROGAMMING

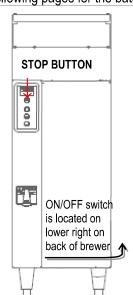
- 1-Turn brewer "OFF" from power switch
- 2-Turn power switch to "ON"
- ...Screen will initialize and then display digital process notifications
- 3-After Initialization-Red "STOP" Lamp turns on
- 4-Quickly hold down "STOP" button for 5 seconds

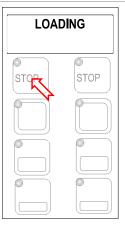
When brewer is In PROGRAMMING MODE -the screen will display:

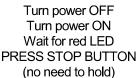
IBATCH PRGI IA (or B-E) I

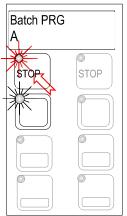
-Illuminated LED indicates active keypad positions

See the following pages for batch parameter definitions and all settings for the brewer



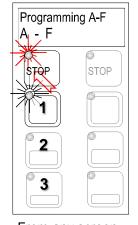




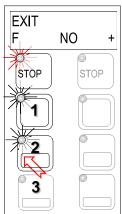


First screen will display Batch PROGAMMING-A Scroll through main menu topics A-F by pressing "STOP" button.

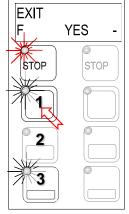
Exit Programming & Save Control Setting Changes



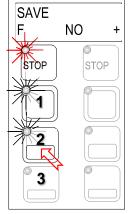
From any screen-Press STOP button until the EXIT ("F") screen appears



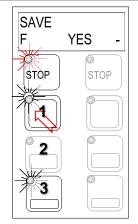
From the "F" screen Press button 2 to toggle to the EXIT-YES screen



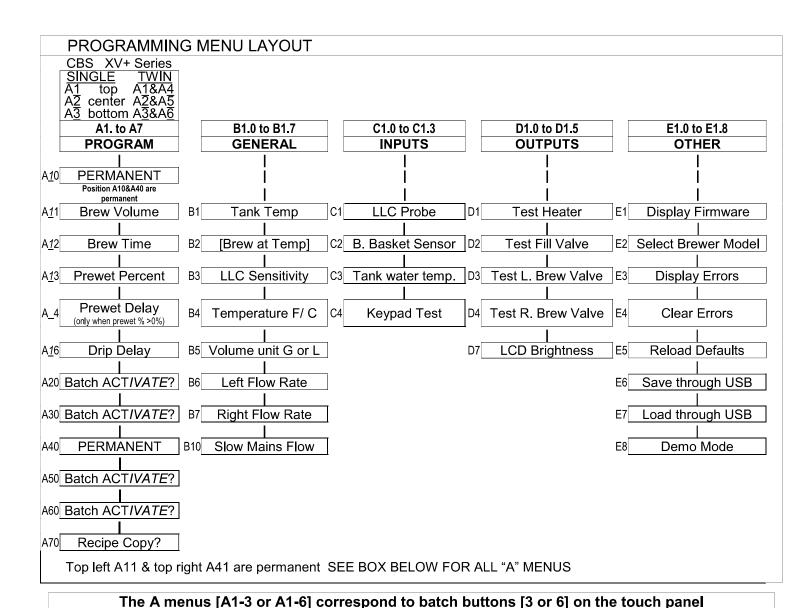
From EXIT screen Press button 1 to toggle to the SAVE screen

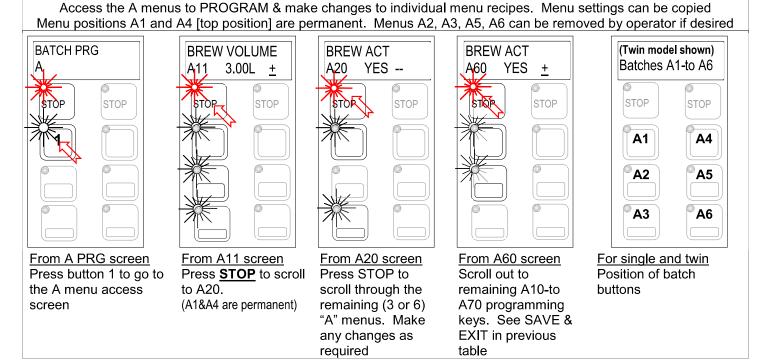


From SAVE screen Press button 2 to toggle to the SAVE-YES screen



To SAVE and EXIT Press button 1 to SAVE your changes and EXIT to OPERATING MODE





A PROGRAM Menu Features: Batch Parameters

The settings below are shown for the top batch on a single brewer top left button on a twin brewer. See how to access all A menus on the previous page. Below are the brew settings for default A1 & A2 batches **POSITION** Program Items Factory set Default Programming Range Increments Notes 0.80gal 0.25 to 1.25 gal 0.01G Unit software is in liters; A11 **Batch Volume** 3.00liters 0.95 to 4.70L 0.05L converts to gallon Default total brew time is **Brew Time** A12 4:00 minutes 2:00 - 12:000.30 (MIN:SEC) 5:30 minutes Percentage of total brew A13 Prewet Perc. 0% 0.00 - 15.0%1% volume The time between **Prewet Delay** prewetting and start of A14 0% [1:00 Min] [0:10 - 5:00]1:00 min brew cycle. (Pause after prewet This feature appears completes) ONLY if Prewet >0:00 Time brew basket should remain in place during final drip-out 0:30 - 6:00 Min. A16 Drip Delay 1:30 mm:ss →Drip delay remains "ON" for 1:30 minutes if STOP is pressed during brew† **BATCH ACT** Batches may be YES Middle and Bottom Batch on A20 A20 YES individually enabled, batches A2,3,5,6 (Active) or off NO + rewritten or deactivated 0.80gal 0.25 to 1.25 gal 0.01G Unit software is in liters; A21 **Batch Volume** 3.00liters 0.95 to 4.70L 0.05L converts to gallon **Brew Time** Default total brew time is A22 4:00 minutes 2:00 - 12:000.30 (MIN:SEC) 5:30 minutes Percentage of total brew A23 Prewet Perc. 0% 0.00 - 15.0%1% volume The time between prewetting and start of Prewet Delay A24 0% [1:00 Min] [0:10 - 5:00]1:00 min brew cycle. (Brew pause after prewet completes) This feature appears ONLY if Prewet >0:00 Time brew basket should remain in place during final drip-out A25 1:30 mm:ss 0:30 - 6:00 Min.Drip Delay →Drip delay remains "ON" for 1:30 minutes if STOP is pressed during brew† Batch

Copy To Batch? A72.1 (1-6) Single Topmost Batch cannot be disabled. TWIN Topmost Batch LEFT & RIGHT cannot be disabled. Middle and bottom batches may be disabled for single and twin brewer (CBS-1131 XV+ and CBS-1132 XV+) † DRIP DELAY will not activate when STOP is pressed within 5 seconds of starting a brew time

A71 1 (1-6)

RECIPE Location map

A71

A72

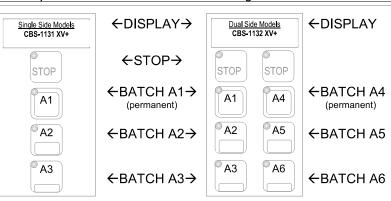
View and change settings for the brew recipes from the "A" screens with the controls in PROGRAMMING.

Copy From Batch

Copy

The uppermost button positions are permanent and will not display programming step A 0.

The table above shows for position A20 that a button position can be made active or inactive. Position A1 does not display this step because it is permanently active



B GENER	B GENERAL Brewer Operation Control Settings, Adjust Brew Flow Rate						
POSITION	Program Items	Factory set Default	Programming Range	Increments	Notes		
B1	Tank Temp.	93° C -or- 200°F NOTE: Equipment is metric by default	70° to 96°C 157°F to 205°F	0.5°C 1.0°F	Chart to correct for high altitude below		
B2	Brew at Temp.	"YES"	ON/OFF	YES/NO	SEE NOTE BELOW		
В3	LLC Sensitivity	LOW	LOW is "normal" for most water "HIGH" for R.O.	LOW HIGH	Liquid level control sensitivity. High,1300Ω is for reverse osmosis water or very pure water.		
B4	Temperature Scale	°F Fahrenheit	Celsius Fahrenheit	C/F	NOTE: Overwrites user settings (see page 9)		
B5	Volume Scale	L LITERS	Gallons/Liters	L/Gal	NOTE: Overwrites user settings (see page 9)		
В6	LEFT brew valve F.R. in Liters/Min	CBS-1131&1132 1.55L/0.40G	1.30-1.80Liter 0.34-0.48G	0.50L 0.01G	Adjusts flow rate		
В7	RIGHT brew valve F.R. in Liters/Min	CBS-1131&1132 1.55L/0.40G	1.30-1.80Liter 0.34-0.48G	0.50L 0.01G	Adjusts flow rate		
B10	Low flow rate from mains	NO	OFF/ON	Toggle +/- YES or NO	Trims fill system for low supply		

Use this formula to compensate for minor discrepancies in actual volume versus programmed volume Use this formula to determine flow rate to compensate for minor **Measured Volume** Current_ New Setting Setting discrepancies in actual volume versus programmed volume. Enter

Programmed Volume

Use the formula above to compensate and fine-tune brew volume. Brew valve and bypass valve flow rates are in liter/min. Enter the brew valve New Setting value into B6/B7 and save as in the "F" screen (Brew volume is set at position A11) HINT: Set lower to increase volume, higher to decrease volume. TIP: Always check flow from supply for fouled water filter

BREW AT TEMPERATURE DEFINITIONS

DEFAULT: BREW AT TEMP: "ON" (FACTORY DEFAULT FOR BREWER) "BREW at TEMP: Hot water tank not at brew temp setpoint. -Batch will not start if tank temperature is below set point. **HEATING** Tank temp→ -Display will show "HEATING" 160°F and hot water tank temperature STOP is not lit → The "BREW START" entry buttons will not STOP STOP BREW START illuminate until the hot water tank reaches the buttons not lit. selected temperature. and are disabled. Controls allow both sides of dual brewer to Buttons will operate if one side has an ongoing brew illuminate "READY" started and the second side brew is selected, when hot water tank temperature is at Notifications shown on screen: setpoint TEXT: **HEATING**→Tank above 87°C/189°Fwill allow brew at low temperature. Coffee flavor may be affected TEXT: L. HEAT → Tank above 76°C/169°Fwill allow brew at low temperature. Coffee flavor will be noticeably affected USER SELECTABLE OPTION: BREW AT TEMP: OFF (Not recommended) Unit will operate at cold temperature

CI	Chart to correct for altitude for boiling point in tank water temperature.							
[ft]	[m]	Suggested Setting[°F]	Boiling point[°F]	Suggested Setting[°C]	Boiling point [°C]			
0	0	205	212.0	96	100.0			
500	152	205	211.0	96	99.5			
1000	305	200	210.1	93	98.9			
2000	610	200	208.1	93	97.8			
2500	762	200	207.2	93	97.3			
3000	914	200	206.2	93	96.8			
3500	1067	197	205.3	92	96.3			
4000	1219	195	204.3	91	95.7			
4500	1372	194	203.4	90	95.2			
5000	1524	194	202.4	90	94.7			
5500	1676	193	201.5	89	94.2			
6000	1829	192	200.6	89	93.6			
6500	1981	191	199.6	88	93.1			
7000	2134	190	198.7	87	92.6			
7500	2286	188	197.8	86	92.1			
8000	2438	187	196.9	86	91.6			
8500	2591	185	196.0	85	91.1			

Allows brewing at any temperature above 77°C/170°F Below 70°C/170°F-the red colored ready lights switch turn off

C INPUT					
POSITION	Program Items	Factory set Default	Programming Range	Increments	Notes
C1	LLC Probe continuity	Direct read	Reading of tank water resistivity in TDS	≈850- LOW ≈1600-HIGH	Nominal values
C2	Brew Basket Sensor	Direct read	YES or NO		
C3	Tank Temp.	Direct read	Hot water tank temperature		Actual values
C4	Keyboard Test	Calibrate	Checks buttons under membrane cover	YES/NO	Follow directions on the touch screen

D OUTP	UTS	screen brig	ntness		
POSITION	Program Items	Factory set Default	Programming Range	Increments	Notes
D1	Heater Test	Press button 2 to test (button 1 stops test)	Activates valve Default is 10 sec	Toggle +/- OFF or ON	Energizes Heater(s) WARNING! Service use only.
D2	Fill Valve Test	Press button 2 to test (button 1 stops test)	Activates valve Default is 10 sec.	Toggle +/- OFF or ON	Press To Test
D3	Left Valve Test	Press button 2 to test (button 1 stops test)	Activates valve Default is 10 sec.	Toggle +/- OFF or ON	Runs valve to verify flow. NOTE: Have container under brew basket.
Sing	le series displays L	EFT side only RIGHT Va	alve display is only for	CBS-1132 X\	/+ twin side brewer.
D4	Right Valve Test	Press button 2 to test (button 1 stops test)	Activates valve Default is 10 sec.	Toggle +/- OFF or ON	Press To Test
D5	LCD Brightness	Brightness=8	0-15	1	Adjust LCD screen brightness only-Not for LEDs under buttons

E OTHER	THER Software & Code View and Settings						
POSITION	Program Items	Factory set Default	Programming Range	Increments	Notes		
E1	Display Firmware	1.0.1744			Displays current version		
E2	Select Model	CBS-1131 XV+ OR CBS-1132 XV+ Will need reboot	Scroll to brewer model Save&Exit	CBS_1131; CBS_1132; CBS_1151; CBS_1152	NOTE: Overwrites all user settings (See page 9)		
E3	Display Errors	Lists up to six codes, in order	1: ; 2: ;3:;4: ;5: ;6: 1=Newest/6=Oldest LAST six errors only	Newest=last Oldest=first	See Error Code Chart for references		
E4 Reset Errors FACTORY USE ONLY. NO + Toggle +/- YES or NO NOTE: Always con FETCO Technical for errors (800)338							
Resetting	Resetting error codes should be after completing the service and factory diagnostics and correcting any brewer faults NOTE © Clear error codes by cycling the brewer "OFF" then "ON". See Page 9.						
					COMPLETELY		

E5	(Reload) DEFAULTS	Reset to default of base model	Will need reboot	Toggle +/- YES or NO	OVERWRITES ALL USER SETTINGS
E6	USB Data Save	Save data to USB			
E7	Load From USB	Plug in USB flash- drive device.	Will need reboot		
E8	DEMO Mode	DEMO ON/OFF	Will need reboot		Demonstrates the controls for training. Brewer will not brew when in demo mode. Reset in E8 to "OFF" to exit

F SAVE & EXIT

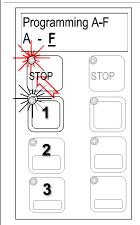
Saving changes and exiting PROGRAMMING

The brewer will save changes only from the "F" menu. **DO NOT** reboot brewer or toggle ON/OFF-exit as below. DO NOT attempt to save by rebooting (turning power OFF then ON). All changes made will be discarded and brewer will remain in the existing default settings

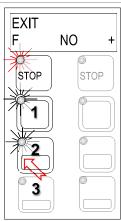
TO EXIT PROGRAMMING & HOW TO SAVE CONTROL SETTING CHANGES

HOW TO SAVE CHANGES AND EXIT-The brewer is in PROGAMMING mode.

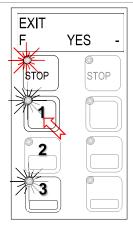
You may exit programming at any time. After programmed settings are saved, the brewer exits PROGRAMMING mode and returns to regular brew operations. Settings are saved only when brewer returns to OPERATING MODE



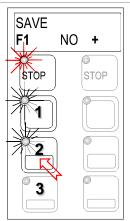
From any screen-Press STOP button until the EXIT ("F") screen appears



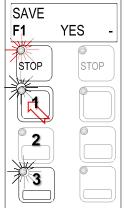
From the "F" screen Press button 2 to toggle to the EXIT-YES screen



From EXIT screen Press button 1 to toggle to the SAVE screen



From SAVE screen Press button 2, to toggle to the SAVE-YES screen



To SAVE and EXIT Press button 1 to SAVE your changes and EXIT to OPERATING MODE

NOTE: User Settings will be erased and overwritten to factory default settings by the following five programming changes

- 1) When setting or changing units of display for the tank temperature (F Fahrenheit or C Celsius). (SETTING B4)
- 2) When setting or changing units of display for the volume (G gallons, L liters).
- 3) When setting brewer model → The software sets equipment to brewer defaults
- 4) When resetting (Reloading) DEFAULTS
- 5) When loading from USB (Reloads to defaults)

(SETTING B5)

(SETTING E2)

(SETTING E5)

(SETTING E7)

Error (Codos							
Error Codes DO NOT CLEAR ERROR CODES UNTIL ERROR IS IDENTIFIED AND/OR CORRECTED								
	→Contact specialized personnel for error codes							
Code	Description		Possible Cause	Corrective Action				
001	Software error corrupted softw	-error on start up or ware	Improper start-up or shutdown	Restart , if still fault: reload software				
050	Short-circuit i	in temperature probe	Probe failure.	Replace probe.				
051	Open temper	ature probe.	Bad probe connection, or probe failure.	Check all connections. Replace probe if necessary.				
100	Initial Fill Error. Initial fill time took longer than expected after power up.		Water supply flow rate is too low.	Watch for short potting during brew cycle. Investigate cause of low flow rate. (Clogged water filter)				
101	Error on refill Tank did not time.	 refill within epected	Water supply flow rate is too low.	Watch for short potting during brew cycle. Investigate cause of low flow rate. (Clogged water filter)				
201		high limit thermostat, e Relay (SSR) fault	Failure of: heating element, SSR, high Limit or low voltage	Check and replace heating elements if necessary.				
255	255 Touch pad error		Usually from longer than 2 min contact. Or faulty reassembly after service	Restart , if still fault: reload software. If mechanical: reassemble correctly				
	NO	<u> </u>	Brew basket must be in					
	BSKT		place	Insert brew basket into brewer rails to				
Insert Brew Basket			This is a	enable brewer				

Operator Training

Review the operating procedures with whoever will be using the brewer.

Pay particular attention to the following areas:

- 1. Always pre-heat the dispensers before the first use of each day by filling them half way with hot water, and letting them stand for at least 5 minutes.
- 2. Do not remove the brew basket from a coffee brewer until it has stopped dripping.
- 3. Make sure the dispenser is empty before brewing into it.
- 4. Show how to attach covers, close, and or secure the dispensers for transporting.
- Show the location and operation of the water shut off valve as well as the circuit breaker for the brewer.
- Steam from the tank will form condensation in the vent tubes. This condensation will drip into and then out of the brew baskets. Up to 1/4 cup/118cc discharging overnight is possible. Place an appropriate container under each brew basket when not in use.
- We recommend leaving the power to the brewer on overnight. The water tank is well insulated and very little electricity is used to keep the tank hot. Leaving the brewer in the "ON" position will also avoid delays at the beginning of shifts for the brewer to reach operating temperature.

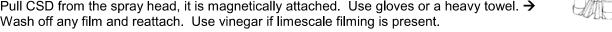
Cleaning & Maintenance

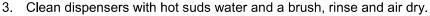
After Each Brew:

- 1. Dispose of grounds and rinse brew basket.
- 2. Never strike a brew basket or hit it against a hard surface. This will damage the brew cone, and may damage the brew basket support rails
- 3. Rinse dispensers before reuse.



- 1. Wash brew basket with hot sudsy water.
- 2. Pull CSD from the spray head, it is magnetically attached. Use gloves or a heavy towel. > Wash off any film and reattach. Use vinegar if limescale filming is present.





4. Use only a soft cloth and hot suds on the outside to avoid scratches. Never use abrasives that will scratch surface.

Weekly

- 1. Use a commercial coffee dispenser cleaner such as URNEX™, TABZ™, DIP-IT™ or Squeak 'n Clean™.
- 2. Carefully Follow the instructions supplied with the cleaning product
- 3. Never use spray cleaners, solvent, solvent based cleaner or petroleum based polish anywhere on dispensers

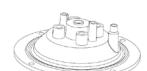
Warning

- 1. Turn off power before any cleaning procedure, including wiping the exterior for appearance reasons.
- 2. Dry the exterior, especially the face panel, before turning on power.
- 3. Do not apply any type of spray cleaner on the face panel of this equipment.
- 4. Never use solvent or solvent-based cleaner or petroleum based polish anywhere on this equipment.
- Dry the face of the touch pad before turning on power
- 6. Do not electrically energize this equipment or attempt operation without all covers in place and all screws fastened.
- Unplug machine before disassembly or servicing.

Safety Notes

- 1. Professional installation is required. This appliance is manufactured only for commercial use
- 2. Operational requirements and maintenance for commercial cooking appliances differ from household appliances.
- 3. Operators must be trained for this equipment and must understand the use, maintenance and hazards.
- 4. Access to the service area is restricted to persons having safety/hygiene knowledge and practical experience of the coffee brewer. This appliance must be installed in locations where it can be overseen by adult trained personnel.
- 5. Do not attempt to move hot beverage equipment once it is filled. Drain equipment before moving.
- 6. FETCO commercial coffee brewers prepare large amounts of coffee or tea in a single batch using very hot water
- 7. Commercial coffee brewers provides very hot water from the spray head, brew basket and faucet when it is pulled.
- 8. Coffee brewers may continue to dispense very hot water from the mechanically operated faucet after the electronic touchpad is completely disabled by turning off the power switch on the lower back of the unit, or unplugging the unit.
- For safety, the brewer control locks the brew basket for 5.5 minutes after starting the brew.
- 10. Never attempt to defeat the factory set (default) time that the brew basket is locked for safety from start of brew.

Keep these instructions for training and future reference.





Installation Guide

(For Qualified Service Technicians Only)

General:

- 1. If not installed correctly by qualified personnel, the brewer will not operate properly and damage may result
- 2. Select and install appropriate legs for 3-liter or 1-gallon setup. Leg sets are shipped inside the brew basket
- 3. Some FETCO CBS-1100 XV+ series equipment has user configurable dispenser locator-see instructions.
- 4. Utilize only qualified beverage equipment service technicians for service and installation.
- 5. Always have an empty dispenser under spray head of all coffee brewing equipment-including when at idle
- 6. Damages resulting from improper installation are not covered by the warranty, and will void the warranty. Below are the key points to consider before installation:

Electrical:

- 1. All CBS Series brewers require an electrical ground wire. Installation without grounding is dangerous.
- 2. Note Equipotentiality Terminal, if present, (To identify the terminals which, when connected together, bring the various parts of equipment or of a system to the same potential, not necessarily being the earth (ground) potential, e.g. for local bonding.)
- 3. Verify voltages, polarity, circuits, and circuit breaker access before attaching equipment.
- 4. Brewers in this series wire differently in regard to a neutral wire. Review the wire diagrams.
- 5. The electrical diagram is located in the User's Guide and online at www.fetco.com.
- 6. Make sure of the tight grounding of the equipment and use the external ground bolt.
- 7. The installation must comply with applicable federal, state, and local codes having jurisdiction at your location. Check with your local inspectors to determine what codes will apply.

→ See wiring diagrams for connections

Plumbing:

- 1. North America: All installations must comply with applicable federal, state, or local plumbing codes.
- 2. All Others: The water and waste piping and connections shall comply with the International Plumbing Code 2003, International Code Council (ICC), or to the Uniform Plumbing Code 2003 (IAPMO).
- 3. Use an inline water filter for all beverage equipment.
- 4. Install the filter unit after a water shutoff valve and in a position to facilitate filter replacement.
- 5. The water line and newly installed filter cartage must be flushed thoroughly prior to connecting it to the brewer to prevent debris from contaminating the machine.
- 6. Verify that the water line will provide a flow rate of at least 1½qpm/(5,7lpm) per minute and the water pressure is between 20-75 psig (138-517kPa) before making any connections.
- 7. Use a wrench on the factory fitting when connecting the incoming water line. This will reduce stress on the internal connections and reduce the possibility of leaks developing after the install has been completed
- 8. Install a backflow prevention device. Most municipalities require a recognized backflow preventer.
- 9. Usable on all hot beverage and cold beverage equipment is a WATTS® SD-2 or SD-3.
- 10. WATTS spring loaded double check valve models are accepted by most zoning authorities.
 - →The check valve should be as close to the water supply inlet of the beverage equipment as possible.

Tank Drain

The water tank must be drained before maintenance procedures, and when the unit is to be relocated or shipped

- 1. Disconnect power and water to unit. DANGER: Insure that all utility connections to the brewer are broken.
- 2. Move the unit near a sink or obtain a container large enough to hold four gallons of water.
- →Note: the hot water tank may hold more than four gallons.
- 3. Remove the front panel and tank cover and allow the tank to cool to a safe temperature
- 4. The tank drain line and clamp are located inside-under the hot water tank. Pinch the drain line clamp to close
- 5. Locate the fill valve against the back wall, using pliers, loosen the hose clamp and move it back over the tube.
- →Note Do not loosen the hose clamp to the bottom of the hot water tank
- 6. Crimp the tube an inch or two away from the drain plug to prevent water from flowing and pull it off the valve.
- 7. Pull the tube end out of the brewer and position over sink or bucket.
- 8. Release the crimped tube and hose clamp and allow the water to flow into the sink or container.
- 9. Multiple buckets may be needed during the draining, see tank volumes below.

Brewer	Hot Water Tank Capacity	OPEN	
CBS- 1131XV+Single	3.5 gal 13.2 liter	Leave open for use	
CBS-1132XV+Twin	6.4 gal 24 liter	PINCH SHUT To drain tank & service brewer	AI!

Brewer Setup

NOTE-Assemble legs after unpacking the brewer and before connection to utilities Legs are sent from factory inside brew basket. Attach legs before installing

1) Attach legs for 1 Gallon / 3 Liter dispensing



STANDARD WITH UNIT

2-1/2" legs -Attach this length for 1 Gallon dispenser or 3 liter airpot.



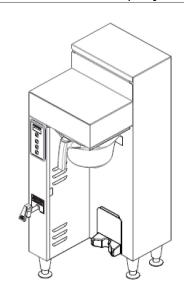
1" leas -

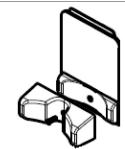
Attach this length for 3 Liter air pot configuration (Purchase separately as optional kit).

2) Verify brewer model and set model number if necessary.

To set model: Enter PROGRAMMING MODE Go to OTHER (E) (Page 8) Go to position E2 and select model Be certain to SAVE new settings (Page 9)

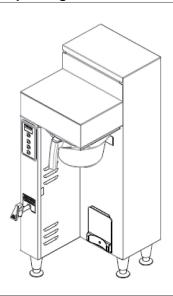
3) Adjust dispenser locator for either 3 Liter / 1 Gallon dispensing

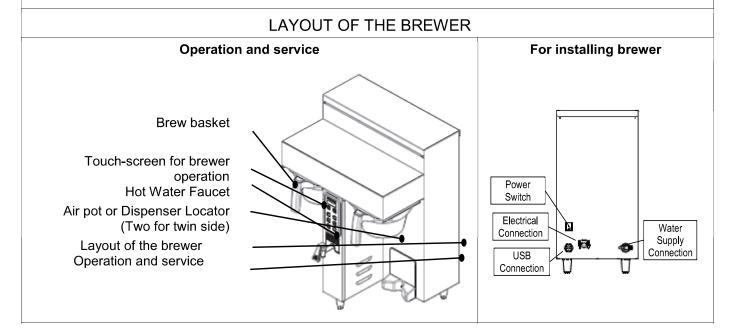




Set Dispenser Locator ← Shown with 1 gallon dispenser locator -(Factory installed)

Shown with 3 liter air pot Locator → -(User option)

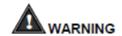




Installation safety and hygiene directions-For International and CE equipment

- Access to the service area is restricted to persons having safety/hygiene knowledge and practical experience of the coffee brewer. This appliance must be installed in locations where it can be overseen by trained personnel.
- For proper operation, this appliance must be installed indoors where the temperature is between 10°C/50°F to 35°C/95°F. Drain and remove all liquid from equipment and lines if exposed to freezing temperatures.
- All commercial cooking equipment, including this unit, is not intended for use by children or persons with reduced physical, sensory, or mental capabilities. Ensure proper supervision of children and keep them away from the unit.
- Children should be supervised to ensure that they do not play hot beverage equipment.
- 5. This unit must be installed and serviced by qualified personnel only.
- Installation must conform to all local electrical and plumbing codes. Installation by unqualified personnel will void the unit warranty and may lead to electric shock or burn, as well as damage to unit and/or its surroundings.
- If the power cord requires repair or replacement-it must be performed by the manufacturer or authorized service personnel with the specified cord only from the manufacturer in order to avoid a hazard.
- Review the dimensions for the unit and verify that it will fit properly in the space intended for it. Verify that the counter or table will support the total weight of the brewer and dispensers when filled (See: Technical Data).
- Place the brewer on the counter or stand. When the brewer is in position, level it front to back as well as side-to-side by adjusting the legs.
- 10. Brewers will need a sturdy supported surface for operation. Do not move brewers when filled.
- 11. Do not tilt appliance more than 10° to insure safe operation.
- 12. Unit is for protected indoor use only. Do not steam clean or use excessive water on unit.
- 13. This unit is not "jet-proof" construction. Do not pressure wash or use jet spray to clean this unit.
- 14. The unit is not waterproof-do not submerge or saturate with water.

Equipment exposed to flood and contaminated must not be used due to electrical and food safety. Do not operate if unit has been submerged or saturated with water.



All electrical connections must be in accordance with local electrical codes and any other applicable codes. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

To prevent an electric shock hazard this device must be bonded to equipment in close proximity with an equipotential bonding conductor. This device is equipped with a bonding lug for this purpose and is marked with the following symbol





Labels and warnings for hot beverage equipment

For BACK PANEL of equipment (1046.00035.00)

Parts Diagram CBS-1131XV+

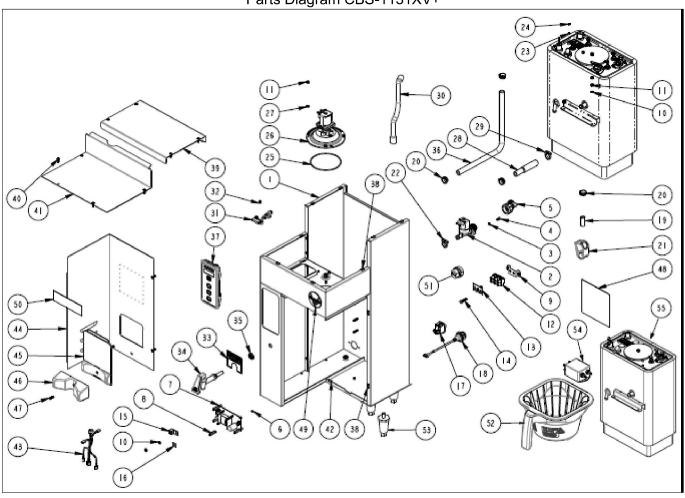


	Table of Variabl	es for CBS-1131XV+	Models
SKU No.	TANK ASSY	WIRING DIAGRAM.	STRAIN RELIEF
E113151	1104.00082.01	1401.00144.00	1086.00008.00
E113153	1104.00083.01	1401.00144.00	1086.00008.00
E113155	1104.00085.01	1401.00151.00	1086.00008.00
E113157	1104.00086.01	1401.00145.00	1086.00008.00
E113167	1104.00086.01	1401.00157.00	1086.00029.00
E113169	1104.00085.01	1401.00157.00	1086.00029.00
E113180	1104.00082.01	1401.00150.00	1086.00008.00
E113181	1104.00085.01	1401.00150.00	1086.00008.00
E113182	1104.00086.01	1401.00150.00	1086.00008.00
E113191	1104.00086.01	1401.00151.00	1086.00008.00
E113192	1104.00085.01	1401.00151.00	1086.00008.00

Ref
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4 2 1082.00010.00 SCREW, MAY10 ZINC-PLATED PAN HD, PHILLIPS MACHINE. 5 1 1102.00243.00 ADAPTER ASSY, 34" SBP x 1/4" NPT x 3/8" TUBE 6 8 1081.00006.00 SPACER, RMM OD x 3.2MM ID x 5MM LG 7 1 1082.00001.00 POWER SUPPLY, 90.2644XG/24VDC, 18A 8 4 1029.00012.00 SPACER, 25" HEX X 1" LG, FEM 144-40 THREAD 9 1 1112.00246.00 WELDMENT BRACKET TERMINAL BLOCK, 3 POLE 10 6 1083.00011.00 LOCK WASHER, #8 SCREW SIZE, INTERNAL TOOTH 11 12 1084.0006.00 NUT, 8-32 18-8 HEX MACHINE SCREW 11 1082.00022.00 EUROSTRIP HE10 TERMINAL BLOCK, 3 POLE, 50AMP, 18-8 13 1 1082.00025.00 MARKING PLATE 14 1 1082.00020.00 SCREW, PHILLIP HD, 8-32 THREAD 15 1 1085.00020.00 SCREW, PHILLIP HD, 8-32 THREAD 16 1 1044.00012.00 LABEL GROUND, CE 17 1 1 1088.00035.00 USR CROW, PHILLIP HD, 8-32 THREAD 18 1 1085.00035.00 USR CROW, PHILLIP HD, 8-32 THREAD 19 1 1025.00030.00 LORDER GROUND, CE 19 1 1025.00030.00 USR CROW, PHILLIP HD, 8-32 THREAD 20 4 1086.00030.00 UNIC LAWP, 15-9 HOSE OD CLAMP 21 1 1086.00030.00 UNIC LAWP, 15-9 HOSE OD CLAMP 22 1 1 1086.00001.00 LOLAMP, 13-9 HOSE OD CLAMP 23 1 1083.00009.00 LOCKWASHER #6 SCREW, INTERNAL TOOTH 24 1 1084.00010.00 NUT, HEX, #6-32, UNDERSIZED, ZINC PLATED 25 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 26 1 1102.0003.01 UNIC LAWP, 15-9 HOSE, 15-0-17.2 DIA RANGE 27 4 1086.0003.01 O SCREW, NOTERNAL TOOTH 28 1 1084.00010.00 NUT, HEX, #6-32, UNDERSIZED, ZINC PLATED 29 1 1086.00001.00 NUT, HEX, #6-32, UNDERSIZED, ZINC PLATED 30 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN, DURO-A50 31 1 1024.00063.00 O RING, 3 15-16" X 332" CS, DASH #154, BUNAN,
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6 8 1081.00006.00 SPACER, 6MM OD x 3.2MM ID x 5MM LG 7 1 1052.00010 D POWER SUPPLY, 90.2644AC/24VDC, 1.8A 8 4 1029.00012.00 SPACER, 25" HEX X 1" LG, FEM #4-40 THREAD 9 1 1112.00246.00 WELDMENT BRACKET TERMINAL BLOCK, 3 POLE 10 6 1083.00011.00 LOCK WASHER, #8 SCREW SIZE, INTERNAL TOOTH 11 12 1084.00006.00 NUT, 8-32 18-8 HEX MACHINE SCREW 12 1 1052.00025.00 EUROSTRIP HE10 TERMINAL BLOCK, 3 POLE, 50AMP, 18-8 13 1 1052.00025.00 EUROSTRIP HE10 TERMINAL BLOCK, 3 POLE, 50AMP, 18-8 14 1 1082.00082.00 SCREW, PILLUP HD., 8-32 THREAD 15 1 1085.00020.0 SCREW, PILLUP HD., 8-32 THREAD 16 1 1094.00012.0 LABEL GROUND. CE 17 1 1058.00024.00 SWITCH, POWER, DOUBLE POLE, 16A, 125/250 VAC 18 1 1098.00050.00 USB CONNECTOR, 14-2 AWG, ALUMINUM 19 1 1025.00058.00 TUBE, 916"OD X 5/16"ID X 25.00"LG 20 4 1086.0003.00 UNICLAMP, 15-9 HOSE OD CLAMP 21 1 1086.00009.00 CLAMP, 34" MAX TUBE OD FLOW CONTROL 22 1 1086.00009.00 CLAMP, 34" MAX TUBE OD FLOW CONTROL 23 1 1083.00090.00 LOCKWASHER #8 SCREW. INTERNAL TOOTH 24 1 1084.00010.00 LOCKWASHER #8 SCREW. INTERNAL TOOTH 25 1 1024.00036.00 ORIGINAL SHER, #10 SCREW WINEDRAL F154 BUNAN, DURC-A50 26 1 1102.00203.01 SPRAY HEAD, SMALL, NO VENT, ASSEMBLY 27 4 1083.00010.00 CLAMP, 15-9 KSREW. INTERNAL TOOTH 28 1 1024.00036.00 ORIGINA, 3 15/16" X 3/32" CS, DASH # 154, BUNAN, DURC-A50 29 1 1086.00002.00 CLAMP, HOSE, SIZE "G" NYLON 30 1 1024.00036.00 ORIGINA, 3 15/16" X 3/32" CS, DASH # 154, BUNAN, DURC-A50 31 1 1024.00036.00 ORIGINA, SIZE "G" NYLON 31 1 1024.00036.00 ORIGINA, SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE
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25 1 1024,00063,00 O-RING, 3 15/16" x 3/32" CS, DASH # 154, BUNA-N, DURO-A50 26 1 1102.00203.01 SPRAY HEAD, SMALL, NO VENT, ASSEMBLY 27 4 1083,00010.00 WASHER, #10 SCREW W/NEOPRENE-BONDED SEAL 28 1 1024,00065.00 CONNECTOR, SILICONE, TANK TO BREW VALVE 29 1 1086,00002.00 CLAMP, HOSE, SIZE "G" NYLON 30 1 1024,00098.00 VENT TUBE, XTS & XV+ 31 1 1102,00113.00 SWITCH, REED, ASSEMBLY 32 2 1029,0006.00 NUT, FINGER, #4-40 NYLON 33 1 1046,00051.00 LABEL, "WARNING, EXTREMELY HOT WATER" 34 1 1071,00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084,00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025,00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102,00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084,00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-22-00 GA., BLACK FINISH
26 1 1102.00203.01 SPRAY HEAD, SMALL, NO VENT, ASSEMBLY 27 4 1083.00010.00 WASHER, #10 SCREW W/NEOPRENB-BONDED SEAL 28 1 1024.00065.00 CONNECTOR, SILICONE, TANK TO BREW VALVE 29 1 1086.00002.00 CLAMP, HOSE, SIZE "G" NYLON 30 1 1024.00098.00 VENT TUBE, XTS & XV+ 31 1 1102.00113.00 SWITCH, REED, ASSEMBLY 32 2 1029.00006.00 NUT, FINGER, #4-40 NYLON 33 1 1046.00051.00 LABEL, "WARNING, EXTREMELY HOT WATER" 34 1 1071.00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084.00048.00 JMN UT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON UJ-NUT), #6-32, 22-20 GA., BLACK FINISH 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, #6-32 X 1/2 LG 41
27 4 1083.00010.00 WASHER, #10 SCREW WINEOPRENE-BONDED SEAL 28 1 1024.00065.00 CONNECTOR, SILICONE, TANK TO BREW VALVE 29 1 1086.0002.00 CLAMP, HOSE, SIZE "G" NYLON 30 1 1024.00098.00 VENT TUBE, XTS & XV+ 31 1 1102.00113.00 SWITCH, REED, ASSEMBLY 32 2 1029.0006.00 NUT, FINGER, #4-40 NYLON 33 1 1046.00051.00 LABEL, "WARNING, EXTREMELY HOT WATER" 34 1 1071.00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084.00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13,25"IG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, #6-32 X 1/2 LG 41 1
28 1 1024.00065.00 CONNECTOR, SILICONE, TANK TO BREW VALVE 29 1 1086.00002.00 CLAMP, HOSE, SIZE "G" NYLON 30 1 1024.00098.00 VENT TUBE, XTS & XV+ 31 1 1102.00113.00 SWITCH, REED, ASSEMBLY 32 2 1029.0006.00 NUT, FINGER, #4-40 NYLON 33 1 1046.00051.00 LABEL, "WARNING, EXTREMELY HOT WATER" 34 1 1071.00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084.00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1
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31 1 1102.00113.00 SWITCH, REED, ASSEMBLY 32 2 1029.0006.00 NUT, FINGER, #4-40 NYLON 33 1 1046.00051.00 LABEL, "WARNING, EXTREMELY HOT WATER" 34 1 1071.00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084.00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1
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33 1 1046.00051.00 LABEL, "WARNING, EXTREMELY HOT WATER" 34 1 1071.00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084.00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY, L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47
34 1 1071.00055.00 FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM 35 1 1084.00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY, L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, #8-32 X 5/8, FLAT HD, PH, 18-8 SS 48
35 1 1084.00048.00 JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS 36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY, L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 4
36 1 1025.00028.00 TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE 37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, #8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, CSD WARNING, 1.5" X 5.0" 51
37 1 1102.00375.00 ASSEMBLY, FRONT PANEL, CBS-1100 SINGLE 38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, CSD WARNING, 1.5" X 5.0" 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1
38 10 1084.00011.00 NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH 39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 11023.00221.00 MAPTER FOR AIRPOT, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, CSD WARNING, 1.5" X 5.0" 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2
39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, CSD WARNING, 1.5" X 5.0" 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2 PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT 52† 1 B003218B1
39 1 1001.00360.00 COVER, TOP, CBS-1131 40 11 1082.00017.00 SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG 41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, CSD WARNING, 1.5" X 5.0" 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2 PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT 52† 1 B003218B1
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41 1 1001.00361.00 COVER, UPPER BASE, CBS-1131 42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, XV+ LOGO 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2 PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT 52† 1 B003218B1 OPTIONAL STAINLESS STEEL BREW BASKET 53* 3 1073.00019.00 ONE INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION]
42 1 1084.00024.00 NUT, CLIP ON (J-NUT), #6-32. 43 1 1402.00098.01 HARNESS, LOW AMP, CBS-1131 XV+, UL 44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, #8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, XV+ LOGO 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2 PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT 52† 1 B003218B1 OPTIONAL STAINLESS STEEL BREW BASKET 53* 3 1073.00016.00 ONE INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION] 53† 3 1073.00016.00 2-1/2 INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION]
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44 1 1112.00461.00 WELDMENT, RIGHT COVER, CBS-1130 XV+ 45 1 1102.00259.00 LOCATOR ASSEMBLY,L3S-10, GRAY 46 1 1023.00221.00 ADAPTER FOR AIRPOT, GRAY 47 1 1082.00058.00 SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS 48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, XV+ LOGO 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2 PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT 52† 1 B003218B1 OPTIONAL STAINLESS STEEL BREW BASKET 53* 3 1073.00019.00 ONE INCH LEGS [FOR 3 LITER BREWER CONFIGURATION] [OPTIONAL] 53† 3 1073.00016.00 2-1/2 INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION]
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48 1 1046.00035.00 LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE" 49 1 1041.00031.00 LABEL, XV+ LOGO 50 1 1046.00003.00 LABEL, CSD WARNING, 1.5" X 5.0" 51 1 SEE PARTS CORD STRAIN RELIEF 52 1 B014218BN2 PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT 52† 1 B003218B1 OPTIONAL STAINLESS STEEL BREW BASKET 53* 3 1073.00019.00 ONE INCH LEGS [FOR 3 LITER BREWER CONFIGURATION] [OPTIONAL] 53† 3 1073.00016.00 2-1/2 INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION]
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53† 3 1073.00016.00 2-1/2 INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION]
' 54 1 1052 00029 00 EMLEILLER
55 1 1104.00082.01 TANK ASSY,1 X 2.3KW/120VAC,
55 1 1104.00083.01 TANK ASSY,1 X 1.5KW/120VAC,
55 1 1104.00086.01 TANK ASSY,1 X 3.0KW/240VAC
*STANDARD-INCLUDED WITH ALL EQUIPMENT †-OPTION ACCESSORY FOR PURCHASE

Parts Diagrams CBS-1132XV+

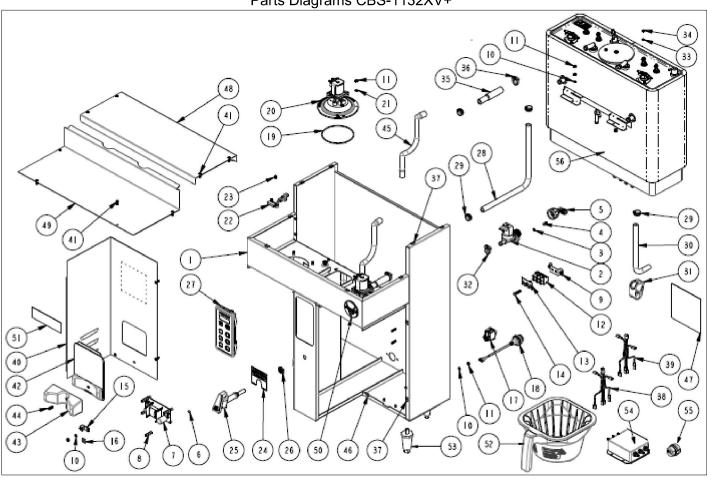
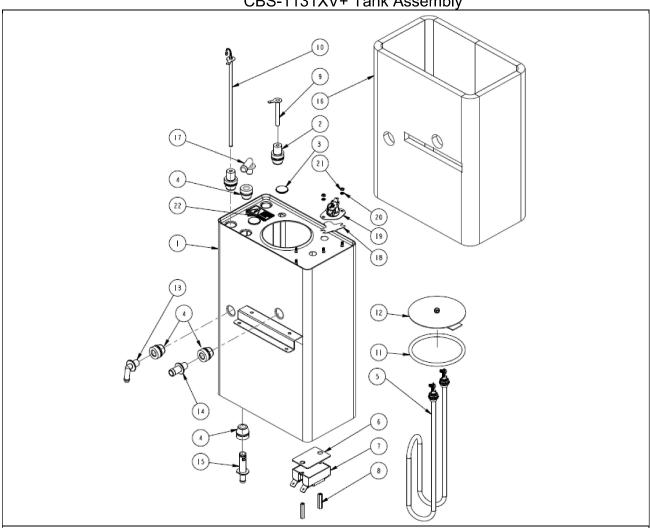


TABLE OF VARIABLES FOR CBS-1132XV+ MODELS													
SKU No.	TANK ASSY	WIRING DIAGRAM.	STRAIN RELIEF										
E113251	1104.00057.01	1401.00139.00	1086.00008.00										
E113252	1104.00052.01	1401.00139.00	1086.00008.00										
E113262	1104.00052.01	1401.00158.00	1086.00029.00										
E113264	1104.00057.01	1401.00158.00	1086.00029.00										
E113266	1104.00052.01	1401.00158.00	1086.00029.00										
E113268	1104.00057.01	1401.00158.00	1086.00029.00										
E113291	1104.00052.01	1401.00149.00	1086.00029.00										
E113292	1104.00057.01	1401.00149.00	1086.00008.00										

Ref#	Qty	Part number	Description Drawing 1101.00340.00 CBS-1132 XV+
1	1	1111.00085.00	WELDMENT BODY, CBS-1132 XV+
2	1	1057.00043.00	SOLENOID VALVE, 5.5L/min, 180 DEG, 24VDC
3	2	1083.00005.00	INTERNAL TOOTH LOCKWASHER, M4 18-8
4	2	1082.00010.00	SCREW, M4x10 ZINC-PLATED PAN HD. PHILLIPS MACHINE.
5	1	1102.00243.00	ADAPTER ASSY, 3/4" BSP x 1/4" NPT x 3/8" TUBE
6	8	1081.00006.00	SPACER, 6MM OD x 3.2MM ID x 5MM LG
7	1	1052.00001.00	POWER SUPPLY, 90-264VAC/24VDC, 1.8A
8	4	1029.00012.00	SPACER, .25" HEX X 1" LG, FEM #4-40 THREAD
9	1	1112.00246.00	WELDMENT BRACKET TERMINAL BLOCK, 3 POLE
10 11	5 15	1083.00011.00	INTERNAL TOOTH LOCKWASHER, #8 SCREW SIZE,
12		1084.00006.00 1052.00022.00	NUT, 8-32 18-8 HEX MACHINE SCREW EUROSTRIP HE10 TERMINAL BLOCK., 3 POLE, 50AMP, 18-8
13	1		
		1052.00025.00	PLATE, MARKING
14	2	1082.00082.00	SCREW, PHILLIP HD., 8-32 THREAD GROUND LUG CONNECTOR, 14-2 AWG, ALUMINUM
15 16	1	1065.00009.00	
	1	1044.00012.00	LABEL GROUND, CE
17	1	1058.00024.00	SWITCH, POWER, DOUBLE POLE, 16A, 125/250 VAC USB CONNECTOR
18	1	1058.00055.00	O-RING, 3 15/16" x 3/32" CS, DASH # 154, BUNA-N, DURO-A50
19	2	1024.00063.00	
20	2	1102.00203.01 1083.00010.00	SPRAY HEAD, SMALL, NO VENT, ASSEMBLY WASHER, #10 SCREW W/NEOPRENE-BONDED SEAL
22	8 2	1102.00113.00	SWITCH, REED, ASSEMBLY
23	4	1029.00006.00	NUT, FINGER, #4-40 NYLON
24	1	1046.00051.00	LABEL, "WARNING, EXTREMELY HOT WATER"
25	1	1071.00055.00	FAUCET, HOT WATER, PSC-BR-8, WITH FLAT AND STEM
	1	1071.00033.00	JAM NUT, 1/2-20 UNF, NICKEL PLATED BRASS
26 27	1	1102.00372.00	ASSEMBLY, FRONT PANEL, CBS-1100 TWIN
28	1	1025.00028.00	TUBE, 5/8"OD X 3/8"ID X 13.25"LG, HOT WATER VALVE
29	5	1086.00003.00	UNICLAMP, 15.9 HOSE OD CLAMP
30	1	1025.00071.00	TUBE, 9/16"OD x 5/16"ID x 16.75"LG.
31	1	1086.00009.00	CLAMP, 3/4" MAX TUBE OD FLOW CONTROL
32	1	1086.00001.00	CLAMP, HOSE, 15.0-17.2 DIA RANGE
33	1	1083.00009.00	INTERNAL TOOTH LOCKWASHER, #6 SCREW
34	1	1084.00010.00	NUT, HEX, #6-32, UNDERSIZED, ZINC PLATED
35	2	1024.00065.00	CONNECTOR, SILICONE, TANK TO BREW VALVE
36	2	1086.00002.00	CLAMP, HOSE, SIZE "G" NYLON
37	10	1084.00011.00	NUT, CLIP ON (J-NUT), #6-32, 22-20 GA., BLACK FINISH
38	1	1402.00098.01	HARNESS, LOW AMP, CBS-1131 XV+, UL
39	1	1402.00098.02	HARNESS ADDITION, LOW AMP, CBS-1132-XV+, UL
40	1	1112.00461.00	WELDMENT, RIGHT COVER, CBS-1130 XV+
41	11	1082.00017.00	SCREW, TRUSS HD. PHIL. MACHINE, # 6-32 X 1/2 LG.
42	2	1102.00259.00	LOCATOR ASSEMBLY,L3S-10, GRAY
43	2	1023.00221.00	ADAPTER FOR AIRPOT, GRAY
44	2	1082.00058.00	SCREW, # 8-32 X 5/8, FLAT HD, PH, 18-8 SS
45	2	1024.00098.00	VENT TUBE, XTS AND XV+
46	1	1084.00024.00	NUT, CLIP ON (J-NUT), #6-32
47	1	1046.00035.00	LABEL, WARNING "TO REDUCE RISK OF ELECTRIC SHOCK OR FIRE"
48	1	1001.00346.00	COVER TOP, CBS-1132
49	1	1001.00347.00	COVER, UPPER BASE, CBS-1132
50	1	1041.00031.00	LABEL, XV+ LOGO
51	1	1046.00003.00	LABEL, CSD WARNING, 1.5" X 5.0"
52*	2	B014218BN2	PLASTIC BREW BASKET: STANDARD-INCLUDED WITH ALL EQUIPMENT
52†	2	B003218B1	STAINLESS STEEL BREW BASKET- OPTIONAL
53†	3	1073.00019.00	ONE INCH LEGS [FOR 3 LITER BREWER CONFIGURATION] OPTIONAL
53*	3	1073.00016.00	2-1/2 INCH LEGS [FOR 1 GALLON BREWER CONFIGURATION]
54	1	1052.00027.00	EMI FILTER
55	1	SEE TABLE	CORD STRAIN RELIEF
56	1	1104.00052.01	TANK ASSEMBLY, CBS-1132 XV+ 2 X 3KW/240VAC
56	1	1104.00057.01	TANK ASSEMBLY, CBS-1132 XV+ 2 X 2.3KW/240VAC
1			

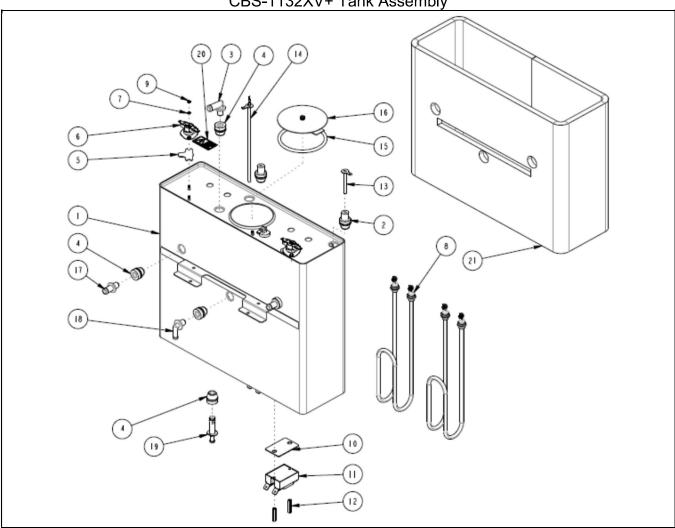
*STANDARD-INCLUDED WITH ALL EQUIPMENT †-OPTION ACCESSORY FOR PURCHASE

CBS-1131XV+ Tank Assembly



		TANK ASS	SY, CBS-1131 XV+ Drawing number 1104.00082.01								
REF	QTY	Part number	Description								
1	1	1114.00102.00	WELDMENT TANK TWO HEATERS, GROMMET								
2	2	1024.00053.00 LEVEL AND TEMP PROBE GROMMET									
3	2	1024.00054.00	GROMMET, SILICONE PLUG								
4	4	1024.00050.00	GROMMET, SILICONE, 11.4mm ID								
5	1	1107.00018.00	HEATER ASSEMBLY, IMMERSION 3.0kW/240VAC								
5	1	1107.00019.00	HEATER ASSEMBLY, IMMERSION 2.3kW/120VAC								
5	1	1107.00021.00	HEATER ASSEMBLY, IMMERSION 1.5kW/120VAC								
6	1	1003.00140.00	ALUMINUM BRACKET FOR SSR								
7	1	1052.00033.00	RELAY, SOLID STATE, 50A/480VAC								
8	2	1081.00042.00	STANDOFF, 1/4" HEX								
9	1	1112.00002.00	PROBE WELDMENT, WATER LEVEL 2.25" LG								
10	1	1102.00161.00	PROBE ASSEMBLY, TEMP. AND LLC, 8" LONG								
11	1	1024.00007.00	O-RING, DASH #344, TANK COVER								
12	1	1102.00007.00	TANK COVER ASSEMBLY								
13	1	1023.00183.00	FITTING, ELBOW								
14	1	1023.00167.00	FITTING, BREW, GROMMET DESIGN								
15	1	1023.00166.00	FITTING, COLD WATER INLET, GROMMET DESIGN								
16	1	1022.00063.00	TANK INSULATION								
17	1	1023.00212.00	FITTING, VENT								
18	1	11003.00005.00	BRACKET, SINGLE SHOT THERMOSTAT								
19	1	1053.00003.00	THERMOSTAT, SINGLE SHOT, 240V/40A								
20	2	1083.00009.00	LOCKWASHER, #6 SCREW , INTERNAL TOOTH								
21	2	1084.00010.00	NUT, HEX, #6-32, UNDERSIZED, ZINC PLATED								
22	1	1044.00004.00	LABEL, DANGER, HIGH VOLTAGE								

CBS-1132XV+ Tank Assembly



		CBS	S-1132 XV+ Hot Water Tank Drawing 1104.00052.01						
Ref#	Qty	Part number	Description						
1	1	1114.00081.00	ELDMENT TANK CBS-1132, GROMMET DESIGN						
2	2	1024.00053.00	VEL AND TEMP PROBE GROMMET						
3	2	1023.0212.00	FITTING VENT						
4	6	1024.00050.00	GROMMET, SILICONE, 11.4mm ID						
5	2	1003.00005.00	BRACKET, ONE SHOT THERMOSTAT						
6	2	1053.00003.00	THERMOSTAT, SINGLE SHOT, 240V/40A						
7	4	1083.00009.00	LOCKWASHER, #6 SCREW , INTERNAL TOOTH						
8	2	1107.00020.00	HEATER ASSEMBLY, IMMERSION 2300W/240VAC						
8	2	1107.00018.00	HEATER ASSEMBLY, IMMERSION 3000W/240VAC						
9	4	1084.00010.00	NUT, HEX, #6-32, UNDERSIZED, ZINC PLATED						
10	2	1003.00140.00	ALUMINUM BRACKET FOR SSR						
11	2	1052.00033.00	RELAY, SOLID STATE, 50A/480VAC						
12	4	1081.00042.00	STANDOFF, 1/4" HEX						
13	1	1112.00002.00	PROBE WELDMENT, WATER LEVEL 2.25" LG						
14	1	1102.00161.00	PROBE ASSEMBLY, TEMP. AND LLC						
15	1	1024.00007.00	O-RING, DASH #344, TANK COVER						
16	1	1102.00007.00	TANK COVER ASSEMBLY						
17	2	1023.00167.00	FITTING, BREW, GROMMET DESIGN						
18	1	1023.00183.00	FITTING ELBOW						
19	1	1023.00166.00	FITTING, COLD WATER INLET, GROMMET DESIGN						
20	1	1044.00004.00	LABEL, WARNING-HIGH VOLTAGE						
21	1	1022.00064.00	INSULATION TANK						

Brew Basket Parts

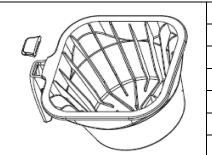
STANDARD Plastic Brew Basket

Part Number B014218BN2 – Complete Plastic Brew Basket

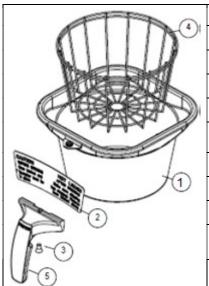
CBS-1131 XV+ & CBS-1132XV+

Brown colored insert is standard

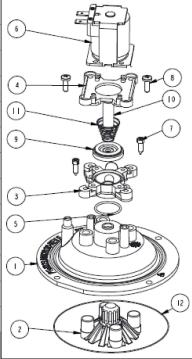
Brew basket handle plug for polymeric brew baskets is available in optional colors.



020,	
Part Number	Plug Insert color
1023.00195.00	BROWN PLUG, BB HANDLE
1023.00194.00	BLACK PLUG, BB HANDLE
1023.00190.00	RED PLUG, BB HANDLE
1023.00191.00	GREEN PLUG, BB HANDLE
1023.00192.00	ORANGE PLUG, BB HANDLE
1023.00180.00	BLUE PLUG, BB HANDLE



			OPTIONAL S	Stainless-Steel Brew Basket				
71	Ref#	Qty	Part Number	Description				
Ī			B003218B1	Complete Stainless-Steel Brew Basket				
Ī	1	1	1112.00128.00	BB WLDMNT 13" X 5", .218 DIA HOLE				
þ	2	1	1 1046.00025.00 BREW BASKET WARNING LABEL					
	3	1	1082.00040.00	SCREW, 1/4-20 X .5, FL HD, PH., W/NYLN				
	4	1	1009.00006.00	WIRE BASKET				
	5	1	1102.00064.00	HANDLE W/MAGNET ASY, BLACK				
	Optional c		1102.00065.00	HANDLE W/MAGNET ASY, RED				
	Optional colored handle		1102.00066.00	HANDLE W/MAGNET ASY, GREEN				
	Optional c		1102.00067.00	HANDLE W/MAGNET ASY, ORANGE				



	1102	.00203	3.01 Small Spra	y Assembly Parts CBS-1131 XV+ & CBS-1132XV+					
	REF	QTY	PART NUMBER	DESCRIPTION					
	1	1	1102.00020.01	SPRAY ASSEMBLY-NO VENT					
'	2	1	1102.00019.00	CASCADE SPRAY DOME					
	3	1	1023.00295.00	SPRAY HEAD ADAPTER					
	4	1	1023.00252.00	COIL ADAPTER					
	5	1	1024.00002.00	O-RING					
	6	1	1057.00072.00	DISPENSE COIL, 24VDC					
	7	2	1082.00068.00	SCREW M3.9X13 CHEESE PH. T/FORM					
	8	4	1082.00069.00	SCREW, 8-18 x 1/2", SS, TF/PH/PHIL					
	9	1	1057.00038.00	DIAPHRAGM					
2)	10	1	1057.00040.00	PLUNGER					
	11	1	1057.00051.00	CONICAL SPRING					
	12	1	1024.00063.00	O-RING,LOWER 3 15/16" X 3/32"					

Wiring Diagrams

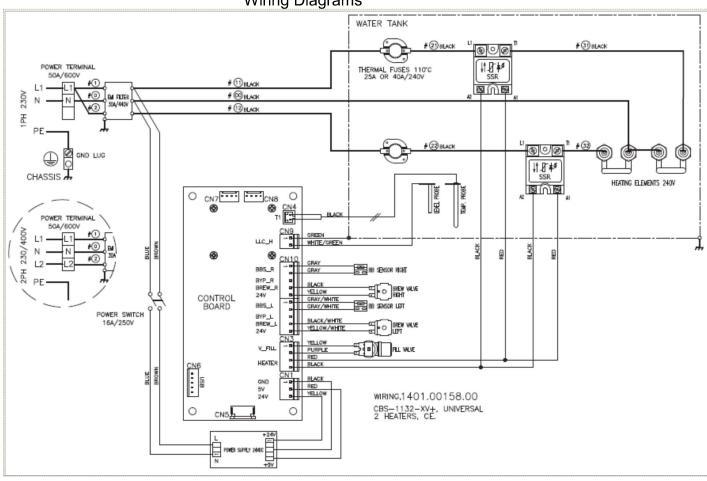
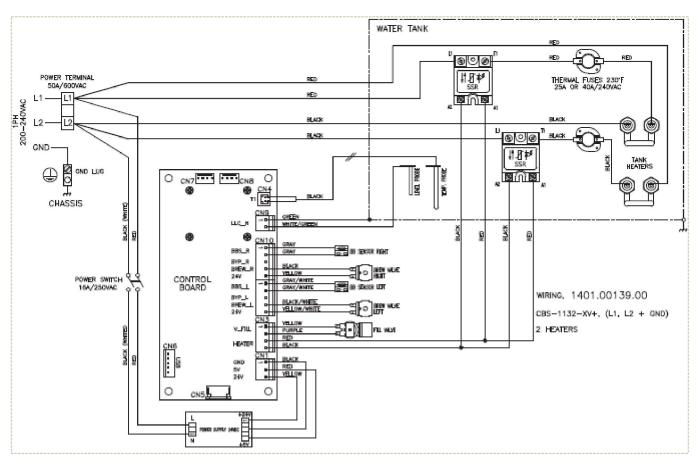
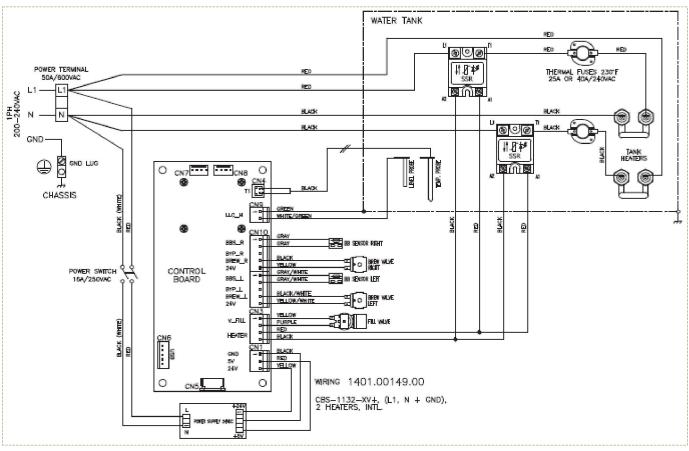
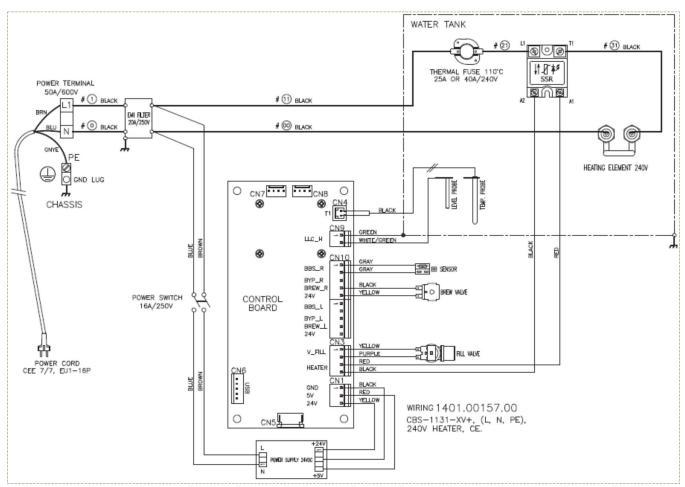
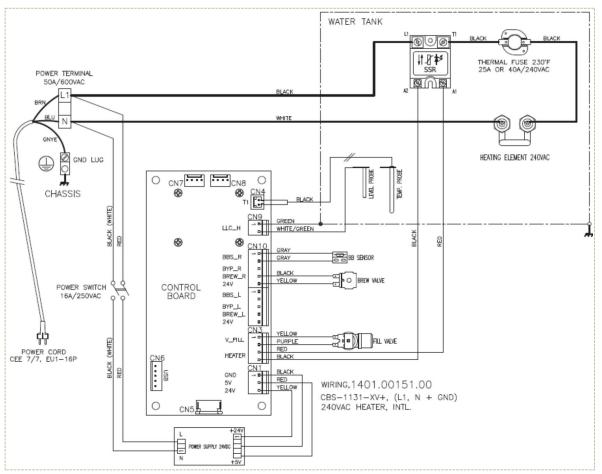


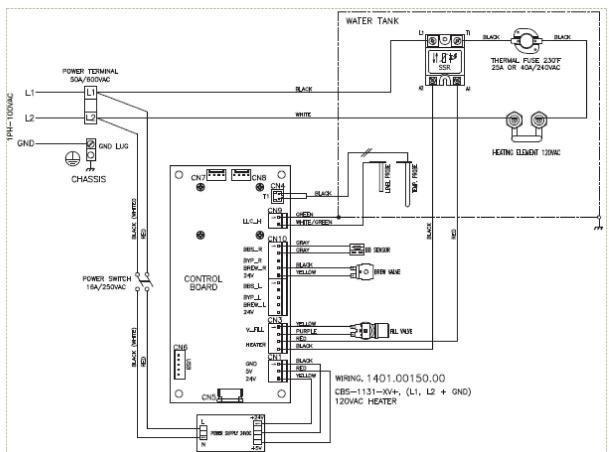
	TABLE OF VARIABLES	
SKU	SKU DESCRIPTION:	Wiring Schematic
E113151	CBS-1131-XV+, 1Ph, 2+G, 2.3kW/120VAC, 100-120VAC	1401.00051.00
E113153	CBS-1131-XV+, 1Ph, 2+G, 1.5kW/120VAC, 100-120VAC	1401.00051.00
E113155	CBS-1131-XV+, 1Ph, 2+G, 2.3kW/240VAC, 200-240VAC, EXPORT	1401.00095.00
E113157	CBS-1131-XV+, 1Ph, 2+G, 3.0kW/240VAC, 200-240VAC	1401.00053.00
E113167	CBS-1131-XV+, 1Ph, L,N,PE, 3kW/240VAC, 230VAC, CE	1401.00079.00
E113169	CBS-1131-XV+, 1Ph, L,N,PE, 2.3kW/240VAC, 230VAC, CE	1401.00079.00
E113172	CBS-1131-XV+, 1Ph, 3+G, 2 X 1.7kW/120VAC, 120/208-240VAC	1401.00091.00
E113173	CBS-1131-XV+, 1Ph, 3+G, 2 X 2.3kW/120VAC, 120/208-240VAC	1401.00091.00
E113180	CBS-1131-XV+, 1Ph, 2+G, 2.3kW/120VAC, 100VAC, J Int	1401.00094.00
E113181	CBS-1131-XV+, 1Ph, 2+G, 2.3kW/240VAC, 200VAC, J Int	1401.00094.00
E113182	CBS-1131-XV+, 1Ph, 2+G, 3.0kW/240VAC, 200VAC, J Int	1401.00094.00
E113191	CBS-1131-XV+, 1Ph, 2+G, 3.0kW/240VAC, 200-240VAC, EXPORT	1401.00095.00
E113251	CBS-1132-XV+, 1Ph, 2+G, 2 X 2.3kW/240VAC, 200-240VAC,	1401.00050.00
E113252	CBS-1132-XV+, 1Ph, 2+G, 2 X 3kW/240VAC, 200-240VAC	1401.00050.00
E113254	CBS-1132-XV+, 1Ph, 2+G, 2 X 2.3kW/240VAC, 220-240VAC, EXPORT	1401.00085.00
E113262	CBS-1132-XV+, 2Ph, 2L,N,PE, 2 X 3kW/240VAC, 230/400VAC, CE	1401.00078.00
E113264	CBS-1132-XV+, 2Ph, 2L,N,PE, 2 X 2.3kW/240VAC, 230/400VAC, CE	1401.00078.00
E113266	CBS-1132-XV+, 1Ph, L,N,PE, 2 X 3kW/240VAC, 230VAC, CE	1401.00078.00
E113268	CBS-1132-XV+, 1Ph, L,N,PE, 2 X 2.3kW/240VAC, 230VAC, CE	1401.00078.00
E113291	CBS-1132-XV+, 1Ph, 2+G, 2 X 3.0kW/240VAC, 200-240VAC, INTL	1401.00085.00

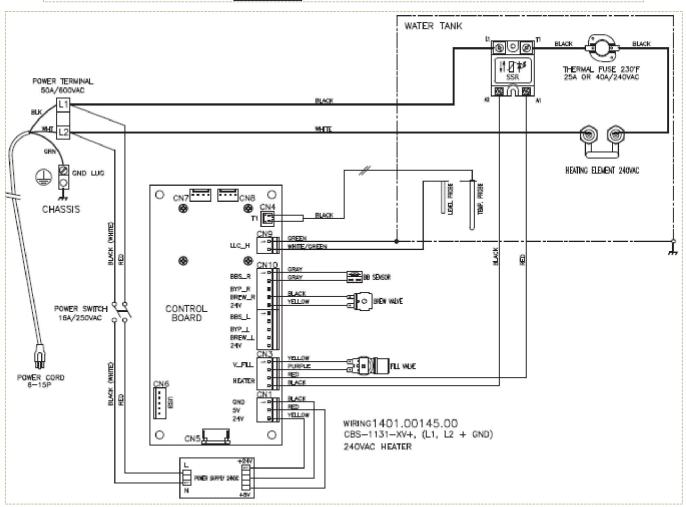












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