



# PRECISION BREW™

SHUTTLE® BREWING SYSTEMS



[www.grindmaster.com](http://www.grindmaster.com)

# PRECISION BREW™ Series



## Model PBIC-330

(Includes VS-1.5S Shuttle® with stand)

### Single, 1.5 Gallon Brewer

Brews into VS-1.5S Vacuum insulated Shuttle®



## Model PBIC-430

(Includes two VS-1.5S Shuttles® with stand)

### Twin, 1.5 Gallon Brewer

Brews into VS-1.5S Vacuum insulated Shuttles®



## Model VS-1.5S

Stainless Steel, Vacuum Insulated,  
Shuttle® with stand

# Commercial Brewing Systems



## Model PB-330

(Classic Shuttle® included with brewer)

### Single, 1.5 Gallon Brewer

Brews into radiant heat, air insulated Classic Shuttle®

## Model PB-430

(Two Classic Shuttles® included with brewer)

### Twin, 1.5 Gallon Brewer

Brews into radiant heat, air insulated Classic Shuttles®



## Model PBVSA-330

(VS-S Vacuum Shuttle® included with brewer)

### Single, 1.5 Gallon Brewer

Brews into VS-1.5S Vacuum insulated Shuttle® or 3.0 Liter airpot

## Model PBVSA-430

(Two VS-S Vacuum Shuttles® included with brewer)

### Twin, 1.5 Gallon Brewer

Brews into VS-1.5S Vacuum insulated Shuttles® or 3.0 Liter airpots



# For Serious Coffee Drinkers



## Precise Brew Temperature

Brewer will maintain the brew temperature to  $\pm 1^{\circ}\text{F}$  or  $0.5^{\circ}\text{C}$  throughout brew cycle.

## Pulse Brewing/Pre-infusion

Brewer will extract up to 20% more dissolved solids per batch of coffee. Programmable: number of pulses, pulse-on and pulse-off time. Changing pulse sequence will not vary brew volume.



## Low-Temp/No-Brew

Allows brew cycle to begin only if water has reached optimum brew temperature.

## Cycle Counter

The brewer counts the number of brew cycles for preventative maintenance.



## Programming Lock Out

The brewer settings can be "locked" to prevent tampering.

## Brew Basket Lock

The brew basket(s) are locked in-place during the brew cycle.



## Brew Volumes

From 1/2 gallon (1.9 L) to 1-1/2 gallons (5.7 L), each volume can be set by "teach" mode to eliminate trial-and-error set-up.

# What makes the perfect cup of coffee?

## PROPER FORMULA

The ratio of coffee grounds to water should be approximately 10 grams of coffee for every 6 fluid ounces of water.

**GRINDMASTER** brew baskets are large enough to hold these quantities of ground coffee.

## WATER QUALITY

A cup of coffee is approximately 98.7% water. Water used to brew coffee should be odor and taste free.

## COFFEE GRIND PROFILE

The ideal grind profile for 1-1/2 gallon type is *Medium*. Using **GRINDMASTER's** complete line of coffee grinders you can be assured the grind profile will be exactly as it should be for this type of brewer.

## EQUIPMENT CLEANLINESS

The brewer and associated components should be clean prior to brewing. Remember, a great cup of coffee is easily ruined by brewing it with dirty equipment.

## BED DEPTH

The ideal bed depth of coffee in the brew basket is 1 to 2 inches. **GRINDMASTER's** brew baskets were designed to this specification.

## IDEAL BREW TEMPERATURE

The brew temperature should be between 195°F and 205°F.

**GRINDMASTER's** precision temperature control allows you to brew your coffee at your selected temperature at  $\pm 1^\circ\text{F}$  precision throughout the brew cycle.

## CONTACT TIME

The ideal contact time for 1-1/2 gallon type brewers is 4 to 6 minutes. **GRINDMASTER's** Precision Brew Control allows you to program what the perfect contact time for your coffee is.



**Specification Sheets Available by Model on our Full Line of PrecisionBrew™ Brewers:**



**Model  
PBIC-330**



**Model  
PBIC-430**

<b>Electrical</b> <i>Worldwide Voltages Available</i>	120/240V / 6600W / 28 Amps 120/208V / 5000W / 24 Amps	120/240V / 6600W / 28 Amps 120/208V / 5000W / 24 Amps
<b>Water Line/Pressure</b>	3/8" (9.5mm) flare/30-70 psi	3/8" (9.5mm) flare/30-70 psi
<b>Brew Capacity</b>	@ 240V: 385; @ 208V: 385 5 oz. (148ml) cups per hour	@ 240V: 500; @ 208V: 385 5 oz. (148ml) cups per hour
<b>Dimensions (H x W x D)</b> <b>Weight</b>	36" x 12-1/2" x 17-3/4" / 70 lbs. 91 cm x 32 cm x 45 cm / 32 kg	40" x 32" x 28" / 130 lbs. 102 cm x 81 cm x 71 cm / 59 kg



**Model  
PB-330**



**Model  
PB-430**

<b>Electrical</b> <i>Worldwide Voltages Available</i>	120/240V / 6600W / 28 Amps 120/208V / 5000W / 24 Amps	120/240V / 6600W / 28 Amps 120/208V / 5000W / 24 Amps
<b>Water Line/Pressure</b>	3/8" (9.5mm) flare/30-80 psi	3/8" (9.5mm) flare/30-80 psi
<b>Brew Capacity</b>	@ 240V: 385; @ 208V: 385 5 oz. (148ml) cups per hour	@ 240V: 500; @ 208V: 385 5 oz. (148ml) cups per hour
<b>Dimensions (H x W x D)</b> <b>Weight</b>	25" x 9" x 18" / 50 lbs. 64 cm x 23 cm x 46 cm / 23 kg	25" x 18" x 18" / 95lbs. 64 cm x 46 cm x 46 cm / 43 kg



**Model  
PBVSA-330**



**Model  
PBVSA-430**

<b>Electrical</b> <i>Worldwide Voltages Available</i>	120/240V / 6600W / 28 Amps 120/208V / 5000W / 24 Amps	120/240V / 6600W / 28 Amps 120/208V / 5000W / 24 Amps
<b>Water Line/Pressure</b>	3/8" (9.5mm) flare/30-80 psi	3/8" (9.5mm) flare/30-80 psi
<b>Brew Capacity</b>	@ 240V: 385; @ 208V: 385 5 oz. (148ml) cups per hour	@ 240V: 500; @ 208V: 385 5 oz. (148ml) cups per hour
<b>Dimensions (H x W x D)</b> <b>Weight</b>	28" x 9" x 18" / 50 lbs. 71 cm x 23 cm x 46 cm / 23 kg	28" x 20-1/2" x 18" / 95lbs. 71 cm x 52 cm x 46 cm / 43 kg



**GRINDMASTER™**  
CORPORATION



Tel (502) 425-4776 • Fax (502) 425-4664 • 1-800-695-4500 (USA & Canada only)