



BREWING PREPARATION LIST

HOOK-UPS

- The brewer operates on a 24V system supplied by a transformer plugged into a standard 110/240V wall outlet
- The water supply is a 3/8" PE tube equipped with a 1/2" female fitting - the supply hook-up needs either a 3/8" pushin connector or a 1/2" male npt stub

BREWING

- (1) One Gallon (3 Liter) Measuring Pitcher - It's best with oz / ml increments.
- (2 - 3) Five Gallon Buckets
- (1) Five Gallon (20 Liter) Cambros - used for catching sample brewing output. The measuring scale is great to confirm yields. Alternately, transparent plastic buckets with measuring lines work well.
- (1) Large Ice Scoop - used for loading pre-infused grounds into the sample cylinder for sample brewing
- (1) Large Bakers Paddle - used to mix coffee grounds and water for pre-infusing *Wood is ok but stainless is best for long term sanitation. Should be fairly beefy (at least 24" long)*
- (1) Mixing Bin - used for pre infusing. Alternatively, a 5-gallon bucket works for mixing 5 lbs at a time. *Much faster to mix in a plastic bin with more surface area and mix 10 lbs at a time. For those brewing on a X-60 food grade concrete style mixers are the ticket.*
- (1) Step Ladder / Industrial Two-step Plastic Stair - this is needed to lift the pre-infused grounds into the cylinder and view inside the cylinder for spray management.



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- ❑ (24) Clear Plastic Cups (1-2 oz.) - used for for catching samples to develop brew profiles as the brew progresses. Clear plastic is best to monitor the clarity.
- ❑ (1) Refractometer - used for for measuring concentration. The VST brand is expensive but worth it.
- ❑ Coffee for for sample brewing batches.
 - ❑ 5 lbs (2kg) Bag - Sample Brew
 - ❑ 30 lbs (14 kg) Bag - X-45 First Brew
 - ❑ 60 lbs (28 kg) Bag for X-60 First Brew
 - ❑ Plan to brew two sample brews to establish some basis for your full brewing. The first, a very fine grind and the second a coarser grind. Evaluate and adjust for the first full cylinder brew. By following our basic recipes and testing with sample brewing the first full cylinder brew the brew should be tasty.

CLEAN-UP

- ❑ (1) Trash Receptacle - used for catching the spent grounds from the brewing cylinder. A properly sized trash receptacle is key for quick clean-up.
 - ❑ 22'-24" wide and 32" tall - X-45
 - ❑ 30"-32" wide and 32" tal - X-60
 - ❑ *We have developed fork liftable tipping bins which makes dumping the spent grounds into a dumpster quick and easy. For those brewing on a X-60 this disposal bin is preferred as the shear weight and bulk is substantial.*
- ❑ (1) Large Sink/Cleaning Area - needed to clean the parts between brews. A *floor drain underneath and clean in place equipment is ideal.*