

Proud Stout

Guide utilizing the Brewolution brew kettle	
This kit contains the ingredients to brew 23-25 litres of beer in a Brewolution Brewster brew kettle. It is suitable for any brewing system able to achieve a mash efficiency of around 80%.	
Content: Pouch 2: Yeast Pouch 3: Pale Ale, Smoked malt, Chocolate malt, Black malt Pouch 4: Bittering hops, Target Pouch 5: Flavouring hops, East Kent Golding and finings Pouch 6: Aroma hops, East Kent Golding	
Mashing	
0 minutes	Add 19 litres of water to the Brewster kettle (10 cm from the top) and set the temperature to 65°C
35 minutes	Submerge the kettle sieve into the kettle and add the malt (pouch 3). Start the mash pump and recirculate for 65 minutes. Stop the pump if the bottom of the kettle runs dry.
65 minutes	Heat 10-14 litres of sparge water to 78°C (for mash-out and sparging) After 65 minutes, at the sound of the alarm, set the temperature to 77°C. The mashing is complete when the alarm sounds again for 77°C. Raise the kettle sieve on the sieve hangers and sparge with the 78°C sparge water prepared earlier. Bring the wort level to 2 cm from the top of the kettle. Hang the kettle sieve to drain over a plastic fermenter.
Boiling and chilling	
0 minutes	Set the temperature on the Brewster kettle to 100°C, and set the time to 60 minutes.
40 minutes	When the temperature get to 100°C, and the alarm sounds, add the bittering hops (pouch 4). Add flavouring hops and finings (pouch 5) Sanitize the counter flow chiller by running 4 litres of wort run through, returning all but the first 150 ml to the kettle.
50 minutes	Add aroma hops (pouch 6)
60 minutes	After 10 minutes, the Brewster kettle turns itself off. Chill the wort to approximately 20°C, and rack to a clean and sanitised fermenter.
Fermentation	
0 days	Pitch the yeast and ferment at 18°C – 22°C
7 days	After 7 days, rack the beer to a secondary clean and sanitised fermenter.
14 days	After a further 7 days, bottle the beer. To bottle carbonate, rack the beer to a plastic fermenter containing tepid sugar water. (5-7 g caster sugar per litre beer dissolved in 200 ml water. Boil for 10 minutes and cool to 26°C). Bottle the beer and place at room temperature for a couple of weeks.
28 days	The beer is carbonated and ready to drink. Store at cellar temperature (13°C – 17°C) For the best result, let the beer mature for 1 – 3 months before consumption.
Notes	
It is advantageous to take notes during a brew:	
Typical stats:	
Bitterness: 36 IBU	Colour: 94 EBC Alcohol (ABV): 5.0 %
OG: 1049	Your OG: _____
FG: 1012	Your FG: _____ Your alcohol % (OG-FG) / 7.5 = _____ %
For general guidance using the Brewster kettle, please refer to www.brewolution.com/brewsterscan , or scan this QR-code.	
	