

## Who's your Daddy Pale Ale

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%.		
<b>Content:</b> Pouch 2: Yeast Pouch 3: <b>Vienna Malt, Cara Clair, Flaked Oats, ca. 5500 g</b> Pouch 4: Bittering hops – Sabro Pouch 5: Aroma hops – Sabro Pouch 6: Dry hops – Sabro		
Mashing		
0 minutes	Add 19 litres of water to the Brewster kettle and set the temperature to 65°C Submerge the kettle sieve into the kettle and add the malt (pouch 3). Start the mash pump and recirculate for 90 minutes. Top of with water during the process for water table. Stop the pump if the bottom of the kettle runs dry.	
60 minutes	Heath 10-14 litres of sparge water to 78°C (for mash-out and sparging)	
90 minutes	After 90 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 29 litres. 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. When the temperature gets to 100°C, and the alarm sounds, add the bittering hops (pouch 4).	
55 minutes	Add Aroma hops (pouch 4). Sanitize your chiller.	
60 minutes	After another 5 minutes the Brewster turns off. Chill the wort to approximately 26°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. Add the dry hops after scolding in the hops sock (pouch 6).	
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 14 days and up to 1 month before consumption.	
Notes		
It is advantageous to take notes during a brew:		
<b>Typical stats::</b>		
Bitterness: 29 IBU	Colour: 11 EBC	Alcohol (ABV): 5,6 %
OG: 1053	Your OG: _____	
FG: 1010	Your FG: _____	Your alcohol % (OG-FG) / 7,5 = _____%
For general guidance using the Brewster kettle, please refer to <a href="http://www.brewolution.com/brewsterscan">www.brewolution.com/brewsterscan</a> , or scan this QR-code.		
		