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# CH1000

SmartFlow Combined Boiler & Chiller



## FULL SPECIFICATION



### CH1000 SmartFlow Automatic Fill Combined Water Boiler & Chiller

Type	Countertop, combined water boiler & chiller
Country of Design & Manufacture	UK
<b>CAPACITY, WEIGHTS &amp; DIMENSIONS:</b>	
Unit dimensions (W x D x H) mm	270 x 503 x 579 (depth includes drip-tray)
Packed dimensions (W x D x H) mm	340 x 635 x 870
Tap clearance mm	148mm
Product weight - empty (kg)	23.5
Product weight – full (kg)	30.5
Packed weight (kg)	29.8
<b>CONSTRUCTION:</b>	
Outer fabrication (body) construction	304 grade Stainless Steel (Superbrush polish)
Tank construction	304 & 316 grade Stainless Steel
Tank wall thickness	0.9mm
Fridge Deck	Dry chiller [200W]
Refrigerant (chiller deck)	R134A (75g)
<b>ELECTRICAL:</b>	
Power rating (kW)	3
Voltage supply	230 V (50-60Hz)
Electrical supply	Single-phase, N & E (13A)
Plug type	UK standard 3-pin
Fitted cable length (m)	1.6m
<b>PLUMBING:</b>	
Water inlet connection:	3/4" BSP
Food quality, flexible mains water hose	1.6 metre long, (3/4"BSP)
Mains water pressure range	2 – 7 bar (28psi – 100psi)
Overflow/waste connection:	Choice of front (via drip-tray) or rear (1/2"BSP - 15mm)
<b>PERFORMANCE (HOT):</b>	
Water temperature delivered	96°C (default) – can be adjusted if required
Heat up time to working temperature	12 mins (full tank capacity)
Output per hour (@ default temperature setting)	28 Litres (higher output/hour if set @ lower temperature)
Rapid draw-off	3 Litres
Recovery per minute	0.5 Litres
Stand-by power loss (idle mode)	0.09 kW/h
<b>PERFORMANCE (CHILLED):</b>	
Water temperature delivered	Between 3°C and 11°C (*subject to ambient temperatures)
Output per hour	Over 60 cups per hour of chilled water @ <11°C
<b>FILTRATION:</b>	
Multi-Filter (taste & odour, sediment & reduces lime-scale)	Yes (not integral)
Filter Benefits	Removes sediment & chlorine for fresh, clean tasting water
Mechanical sediment filtration	5 micron
Max filter capacity	5600 Litres
<b>OTHER FEATURES:</b>	
Simple & reliable design eliminates valves & pumps	Yes (pressure-regulated dispense system)
Tank-baffle plates – unique design aids heat recovery & reduces steam emissions to atmosphere	Yes
Early warning lime-scale diagnostics (via LED light)	Yes
Dual safety protection	Yes - Over-boil & boil-dry protection
<b>STANDARDS &amp; APPROVALS:</b>	
WRAS approved	No (built to WRAS specification but not submitted)
EMC Tested and Certified (EN 55014 & EN 61000)	Yes (self-certified)
Electrical Safety Tested and Certified to BS standard	Yes (self-certified) - BS EN 60335-1 & 2
<b>WARRANTY &amp; AFTER-SALES:</b>	
Guarantee	1 Year parts & labour
Spare parts, filters & accessories	Same day despatch (if ordered before 3pm)

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