



Features	
	Duplex stainless steel cylinder with large heat pump coil
	60mm PU foam insulation for low standing heat losses
	Over 60% in volume from recycled material
	Surface mounted sensor devices for compatibility and ease of maintenance
	Compatible with extensive Dimplex heat pump range
	PU-insulation with GWP < 1 and ODP = 0
	KIWA approved (water and building regulations)

Scope of delivery	
Cylinder with one immersion	250 l + 40l buffer
T+P valve	1/2", 7bar/90°C
Inlet group	PRV 3bar, ERV 6bar
2 port valve	-
Expansion vessel with fixing kit and connection hose	24 l
Tundish	15mm/22mm
Installation & User manual	✓
Terms and conditions	✓

Technical data: VOLUME	
Nominal volume	243 l
Primary hot water capacity ⁽¹⁾	243 l
Aux hot water capacity ⁽¹⁾	120 l
Indirect coil volume	-
Indirect coil heatable volume	-
Heat pump coil volume	7.25 l
Heat pump coil heatable volume	243 l
Solar coil volume	2.5 l
Dedicated solar storage vol. (KIWA) ⁽²⁾ nominal	123 l tbc l
Heating buffer volume	-
Expansion vessel volume	24 l
Minimum mains flow rate	15 l/min

Technical data: CONNECTION SIZES	
Indirect coil	- mm
Heat pump coil	28 mm
Solar coil	22 mm
Inlet/outlet pipe	22 mm
Secondary return	1/2" F BSP
T+P Valve	1/2" F BSP
Immersion heater	1 3/4" F BSP
Heating buffer	- mm

Technical data: RE-HEAT TIMES	
Primary re-heat time ⁽¹⁾	29 mins
Aux. re-heat time ⁽¹⁾	7 mins

Technical data: HEAT LOSS	
Maximum standing heat loss	1.96 kWh/24h

(1) Determined in accordance with EN12897-2006

(2) Determined in accordance with KIWA document for unvented hot water storage cylinders to the requirements of the UK building regulations, Annex D

(3) All the dimensions are taken from the base of the cylinder to the centreline on the component

Cross-sectional drawing



Technical data: DIMENSIONS			
Height ⁽³⁾	2035 mm		
Height (packaged) ⁽³⁾	TBC mm		
Diameter	580 mm		
Diameter (packaged)	700 mm		
Tilt height	2116 mm		
Weight (empty)	66.5 kg		
Weight (packaged)	73.5 kg		
CW Inlet ⁽³⁾	433 mm		
Secondary return ⁽³⁾	1210 mm		
HW Outlet ⁽³⁾	1793 mm		
T&P valve ⁽³⁾	1793 mm		
HP Buffer Immersion ⁽³⁾	198 mm		
Btm. Immersion ⁽³⁾	Top Immersion ⁽³⁾	1603 mm	- mm
HP return ⁽³⁾	HP flow ⁽³⁾	1225 mm	1465 mm
Btm. HP buffer flow ⁽³⁾	Top HP buffer flow ⁽³⁾	175 mm	308 mm
Btm. Thermostat ⁽³⁾	Top Thermostat ⁽³⁾	488 mm	1363 mm
ST return ⁽³⁾	ST flow ⁽³⁾	433 mm	768 mm
Indirect return ⁽³⁾	Indirect flow ⁽³⁾	- mm	- mm

Pressure drop diagram of heat pump and solar coils

Technical data: COILS and Immersions	
Indirect coil surface area	-m ²
Indirect coil HX performance ⁽¹⁾	-kW
Indirect coil flow rate ⁽¹⁾	-l/min
Heat pump coil surface area	2.2 m ²
Heat pump coil HX performance ⁽¹⁾	48 kW
Heat pump coil flow rate ⁽¹⁾	0.42 l/s
Solar coil surface area	1.1 m ²
Solar coil HX performance ⁽¹⁾	26 kW
Solar coil flow rate ⁽¹⁾	0.26 l/s
Immersion rating	2.7/3.0 kW at 230/240 VAC

Attainable cylinder temperature as a function of heat pump output, flow rate at 60°C flow temperature

Technical data: PRESSURE	
Max. sply. Pres. at red. valve	12 bar
Pressure reducing valve setting	3 bar
Press. relief valve opening pres.	6 bar
T&P valve opening pres.	7 bar
Pre-charge expansion vessel	min 2 bar
Min. mains dynamic pres.	1.5 bar
Operating pres. cylinder	3 bar
Max. design pres. cylinder	6 bar
Max. op. pres. indirect coil	- bar
Max. op. pres.heat pump coil	3 bar
Max. op. pres.solar coil	6 bar
Max. op. pres.buffer	- bar