



ELSOflow (Combination)

RECTANGULAR COPPER HOT WATER TANK

Specifications

Maxistore	Nominal Capacity (litres)	120	144	210			
	Width (mm)	415	465	560			
	Depth (mm)	465	465	525			
	Height (mm)	1260	1260	1260			
	Insulation Thickness (mm)	30	30	30			
	Immersion heater rating (kW)	3	3	3			
	Weight empty (kg)	38	41	55			
	Weight full (kg)	158	185	265			
Pearl	Nominal Capacity (litres)	25	50	70	90		
	Width (mm)	465	465	465	465		
	Depth (mm)	190	315	335	375		
	Height (mm)	795	795	882	940		
	Insulation Thickness (mm)	30	30	30	30		
	Immersion heater rating (kW)	3	3	3	3		
	Weight empty (kg)	5	6	7	8		
	Weight full (kg)	30	56	77	98		
Opal	Nominal Capacity (litres)	115	135	144	160	210	
	Width (mm)	420	470	475	450	570	
	Depth (mm)	545	545	475	545	545	
	Height (mm)	1065	1065	1285	1285	1285	
	Insulation Thickness (mm)	30	30	30	30	30	
	Immersion heater rating (kW)	3	3	3	3	3	
	Weight empty (kg)	35	40	41	36	55	
	Weight full (kg)	150	175	185	196	265	
Amethyst	Nominal Capacity (litres)	115	135	160	180		
	Width (mm)	520	580	670	735		
	Depth (mm)	545	545	545	545		
	Height (mm)	865	865	865	865		
	Insulation Thickness (mm)	30	30	30	30		
	Immersion heater rating (kW)	3	3	3	3		
	Weight empty (kg)	38	41	39	41		
	Weight full (kg)	153	176	199	221		
Emerald	Nominal Capacity (litres)	100	115	135	160	180	
	Width (mm)	545	560	590	545	545	
	Depth (mm)	545	560	590	545	545	
	Height (mm)	865	865	865	1195	1285	
	Insulation Thickness (mm)	30	30	30	30	30	
	Immersion heater rating (kW)	3	3	3	3	3	
	Weight empty (kg)	33	40	40	54	49	
	Weight full (kg)	133	155	175	214	229	
Maxistore Twin	Nominal Capacity (litres)	120H / 115C		144H / 115C		210H / 115C	
	Width (mm)	600		600		755	
	Depth (mm)	535		610		610	
	Height (mm)	1210		1210		1210	
	Insulation Thickness (mm)	30		30		30	
	Immersion heater rating (kW)	3		3		3	
	Weight empty (kg)	39		42		56	
	Weight full (kg)	274		301		381	
Twin 600	Nominal Capacity (litres)	115H / 115C		135H / 115C			
	Width (mm)	560		620			
	Depth (mm)	510		510			
	Height (mm)	1220		1220			
	Insulation Thickness (mm)	30		30			
	Immersion heater rating (kW)	3		3			
	Weight empty (kg)	41		41			
	Weight full (kg)	271		291			

Technical Specifications

Maximum incoming pressure to pressure reducing valve (supplied)	12 Bar
Minimum recommended supply pressure and flow rate	0.15 MPa (1.5 bar) – 20 litres per minute
Maximum recommended incoming pressure	2.1 Bar
Material	Copper
Insulation material (nominal thickness 50mm)	CFC/HCFC free, fire retardant expanded polyurethane foam with zero ozone depletion Global warming potential (GWP) = 1.0
Immersion heater/s	3kW at 240V
Connections (standard)	22/28mm compressions
Domestic hot water expansion	Integrated Header Tank (x2 for Indirect Units)

ERP / Heat Loss Data

Capacity (litres)	100	115	120	135	144	160	180	210
Insulation Thickness (mm)	30	30	30	30	30	30	30	30
Standing loss (W)	47	52	54	59	61	67	74	83
Standing loss (kWh/24h)	1.13	1.25	1.3	1.42	1.46	1.61	1.78	1.99
Water heating energy efficiency class	B	C	C	C	C	C	C	C

Other Insulation thicknesses are available.

Components

The following components are supplied as standard with ELSOflow Combination

Immersion/s	Low Watts Density Immersion heater/s with combined control/limit stat
Cold Water	Byelaw Kit 15mm Ballvalve + Float
Safety	Control Thermostat and Overheat Stat for Solid Fuel Models Factory fitted expansion pipework

Codes of Practice/Legislation

Legislation

- Building Regulations Part G and Part L
- Scottish Building Standards: Section 4 and Section 6.
- Building Regulations (Northern Ireland): Part F1, F2 & P
- Water Supply (Water Fittings) Scotland Byelaws 2014
- The Water Supply (Water Fittings) Regulations 1999
- The Water Supply (Water Fittings) Regulations (Northern Ireland) 2009

Materials chosen, adhering to:

- BS 2871-1:1971 "Specification for copper and copper alloys. Tubes. Copper tubes for water, gas and sanitation."
- BS EN 1057:2006 + A1:2010 "Copper and copper alloys. Seamless, round copper tubes for water and gas in sanitary and heating applications."
- BS EN 1254:1998 (1 - 5) "Copper and copper alloys. Plumbing fittings."

Factory manufactured, adhering to:

- BS EN ISO 9001:2008 "Quality management systems. Requirements."



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