

Centurion

Eco cylinders & combinations

For gravity or pumped primary systems

Features and benefits

Albion's Centurion Eco cylinder is approved for use with solar systems by BRE Clear Skies. Installation of Albion Centurion cylinders can now be grant assisted.

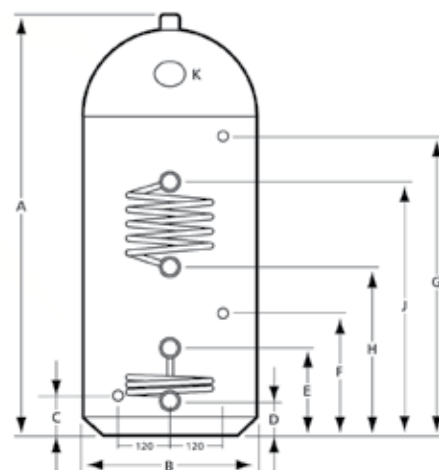
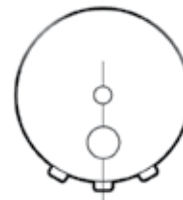
30% of the volume is dedicated solar capacity, and 70% of the volume can be heated in the normal way via a primary coil on days when solar input is not sufficient to heat the full contents of the unit or on days when additional energy is required.

Two control thermostats are used to maximise solar gain. The upper one is a strap on type used for boiler control (not supplied). The lower one is a probe type (F) for solar control (not supplied). The upper 1/2" female boss (G) is for a temperature gauge (not supplied).

The range shows ten popular sizes and capacities. When calculating the size required, please ensure that the upper coil volume is used for total requirement. If the application is for a twin bath, for example, at least 140 litre of 'upper coil' volume is required so that this demand can be catered for on the darkest of winter days.

The Centurion range shown here has a British Standard Part L compliant upper coil fitted - see page 20 for the Superduty HE version for even higher performance and efficiency.

For electric homes, Direct units with twin immersions are also available.



Foam insulation - please specify 30mm or 45mm

DIMENSIONS (mm)

		1200	1500	1050	1200	1350	1500	1800	1200	1350	1500
A	Height										
B	Diameter	400	400	450	450	450	450	450	500	500	500

└─ SUPPLIED WITH SECONDARY RETURN ─┘

CONNECTIONS (mm)

		Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome
	DHW0 (22mm Compression)*										
C	Cold Feed (22mm Compression)*	100	100	100	100	100	100	100	100	100	100
D	Eco Element (22mm Compression)	100	100	100	100	100	100	100	100	100	100
E	Eco Element (22mm Compression)	180	180	180	180	180	180	180	180	180	180
F	Thermostat (1/2" BSP)	200	200	200	200	200	200	200	200	200	200
G	Temp gauge point (1/2" BSP)	1010	1310	840	990	1150	1300	1500	995	1150	1300
H	Primary Coil (1" male c/w Albitec)	410	455	335	400	400	465	530	360	410	435
J	Primary Coil (1" male c/w Albitec)	780	825	635	700	770	835	1050	730	930	955
K	Immersion Heater Boss	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome

*28mm on 1800 x 450 and above

CAPACITIES (Litres)

		90	120	95	105	125	145	170	140	160	175
	Upper Coil										
	Eco Element	45	50	45	55	55	65	75	60	70	75
	Total	135	170	140	160	180	210	245	200	230	250

Superduty HE

Eco cylinders and combinations

For pumped systems only

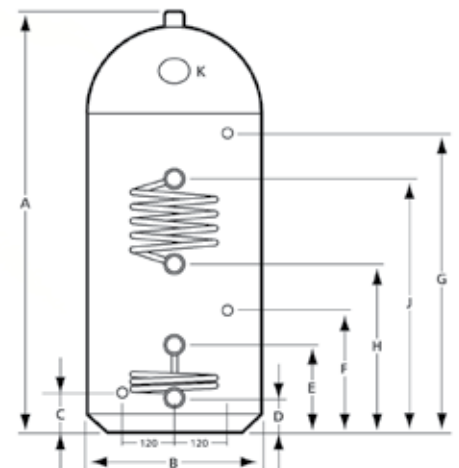
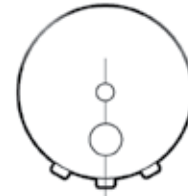
Features and benefits

The Superduty HE Eco cylinder has been designed to make the very best use of energy input, both solar and fossil fuel top up.

Local Authorities, Housing Associations and other energy conscious specifiers understand the importance of high efficiency heat exchangers and will probably be aware of the Albion Superduty HE unit.

Although the principle of operation is the same as the Centurion cylinder, further energy savings are achievable by coupling the traditional boiler input to the Superduty multicoil heat exchanger. Higher efficiencies reduce boiler cycling and result in faster heat up. With lower boiler return temperatures the unit is most suited to operate with condensing boilers.

Superduty HE cylinders come with a 5-year guarantee.



Foam insulation - please specify 30mm or 45mm

DIMENSIONS (mm)

		1200	1500	1050	1200	1350	1500	1800	1200	1350	1500
A	Height										
B	Diameter	400	400	450	450	450	450	450	500	500	500

└─ SUPPLIED WITH SECONDARY RETURN ─┘

CONNECTIONS (mm)

		Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome
	DHW0 (22mm Compression)*										
C	Cold Feed (22mm Compression)*	100	100	100	100	100	100	100	100	100	100
D	Eco Element (22mm Compression)	100	100	100	100	100	100	100	100	100	100
E	Eco Element (22mm Compression)	180	180	180	180	180	180	180	180	180	180
F	Thermostat (½" BSP)	200	200	200	200	200	200	200	200	200	200
G	Temp gauge point (½" BSP)	1010	1310	840	990	1150	1300	1500	995	1150	1300
H	Primary Coil (1" male c/w Albitec)	410	455	335	400	400	465	530	360	410	435
J	Primary Coil (1" male c/w Albitec)	780	825	635	700	770	835	1050	730	930	955
K	Immersion Heater Boss	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome	Dome

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