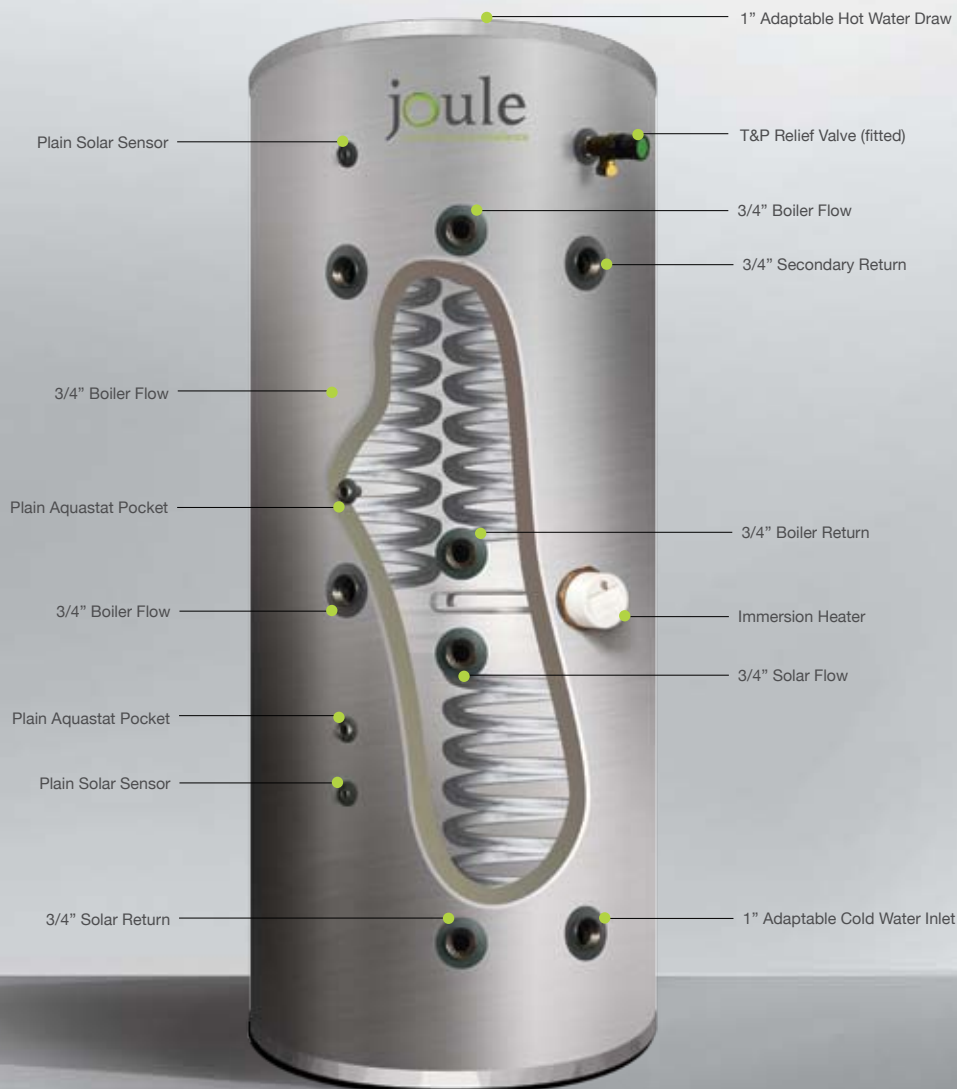


# Cyclone Triple Coil

efficient solar supported indirectly heated hot water  
complete with auxiliary heating coil



Joule Cyclone triple coil cylinders have been designed specifically with multi fuel applications in mind. Featuring a purpose designed solar coil, which allows maximum heat transfer of solar energy into the stored water and a 28mm (1") gravity coil which facilitates the use of gravity fed solid fuel systems. The cylinders are suitable for use with a wide range of solar systems now available and are an efficient and environmentally friendly way of providing domestic hot water. Combine this with the use of excess heat from your solid fuel system during winter, this cylinder allows you to optimise the use of heat during both summer and winter. Cyclone triple coil cylinders also offer the benefit of mains pressure hot water - powerful showers and fast filling baths.

## Immersion Heater options

Incoloy immersions come as standard in all Joule Cyclone Cylinders unless otherwise stated. Incoloy immersions are designed for low to medium use in a domestic application. If the water been stored is hard or the usage is high, Joule recommend Titanium Immersions.

## Eco80

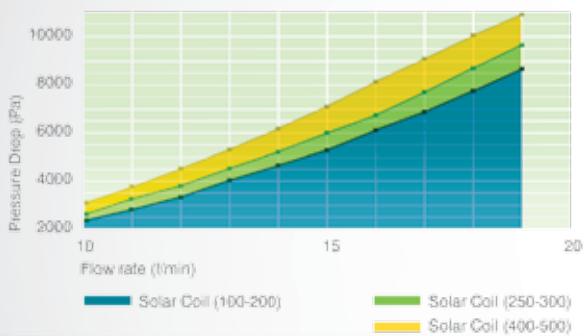
With the requirement for more energy efficient solutions, Joule offer the full Cyclone range with Eco80 specification. The eco 80 range increasea insula-tion thickness to 80mm nominal.



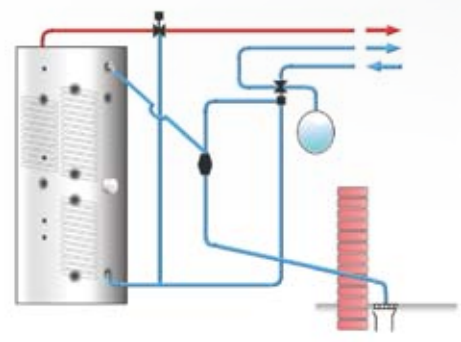
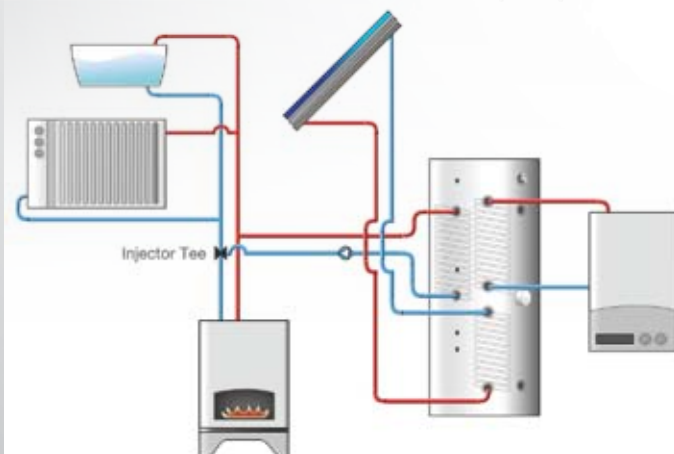
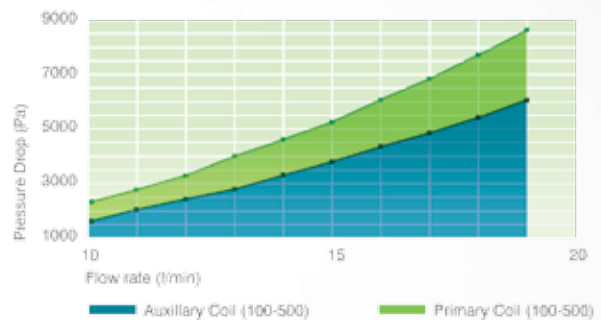
	STANDARD					SLIM LINE		SPECIAL							
	200	250	300	400	500	205	230	193	222	225	280	300	305	342	360
Volume (l)	200	250	300	400	500	205	230	193	222	225	280	300	305	342	360
Height (mm)	1085	1335	1535	1535	1880	1880	2000	1335	1535	1205	1880	2000	1205	1335	1880
Diameter (mm)	560	560	560	660	660	440	440	500	500	560	500	500	660	660	560
Weight Empty (kg)	34	43	47	62	75	36	40	34	38	40	46	47	48	55	58
Weight Full (kg)	234	293	347	462	575	241	270	227	260	265	326	347	353	397	418
Reheat Indirect Total Minutes	26	26	32	35	35	28	32	26	30	31	31	34	34	30	32
Reheat 3 kW Immersion Total Min.	91	118	141	175	222	93	112	87	101	110	138	141	144	152	165
EN12897 Prim. Heat Exchng (kW)	18	22	22	28	35	18	18	18	18	18	22	22	22	28	28
EN12897 Solar Heat Exchng (kW)	16	18	18	22	22	16	18	16	18	18	18	18	18	22	22
EN12897 Aux. Heat Exchng (kW)	18	22	22	28	35	18	18	18	18	18	22	22	22	28	28
Dedicated Solar Volume	110	135	160	210	260	113	125	107	121	123	150	160	163	181	190
Standard Standing Loss kWh/Day	1.8	2.15	2.28	2.41	2.54	1.82	1.92	1.75	1.86	1.9	2.24	2.28	2.3	2.35	2.38
Eco80 Standing Loss kWh/Day	1.59	1.69	1.91	2.15	2.25	1.61	1.64	1.56	1.62	1.66	1.72	1.91	1.92	2.10	2.12

When using Eco80, dimensions will change to allow for extra insulation.

Solar Coil - Pressure Drop Graph



Primary and Auxillary Coil - Pressure Drop Graph



1	1	1	1	1	1	0	1	1
Temperature and Pressure Relief Valve	Expansion Vessel	High Flow Rate Inlet Control Set	Dual Thermostat	Incoloy Long 240V 3kW Immersion Heater	15/22 Tundish	22mm Thermostatic Mixing Valve	Expansion Vessel Hose	22 mm 2 Port Motorzed Diverting Valve