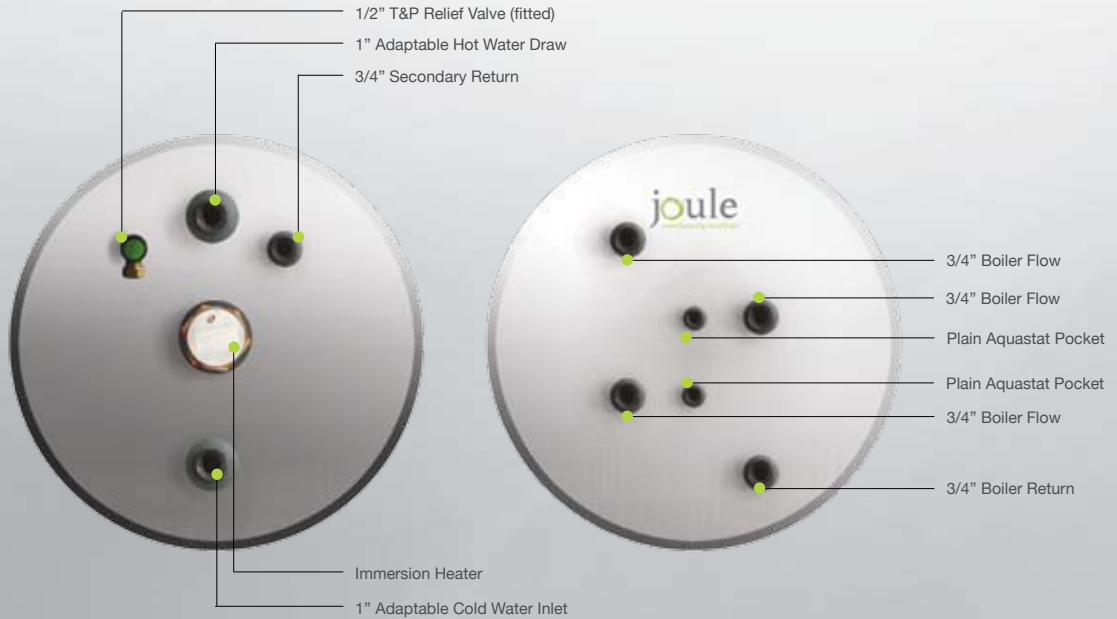


# Cyclone Horizontal Cylinder

efficient horizontal water heating option



## Horizontal Cylinder

The Joule Cyclone Horizontal product line provides alternative solution to Cyclone Direct, Direct Solar, Indirect, Twin Coil, Quad Coil and Heat Pump cylinders.

## 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

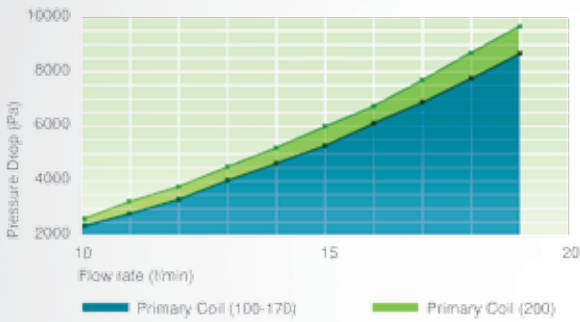
With the requirement for more energy efficient solutions, Joule offer the full Cyclone range with Eco80 specification. The eco 80 range increasea insulation thickness to 80mm nominal.



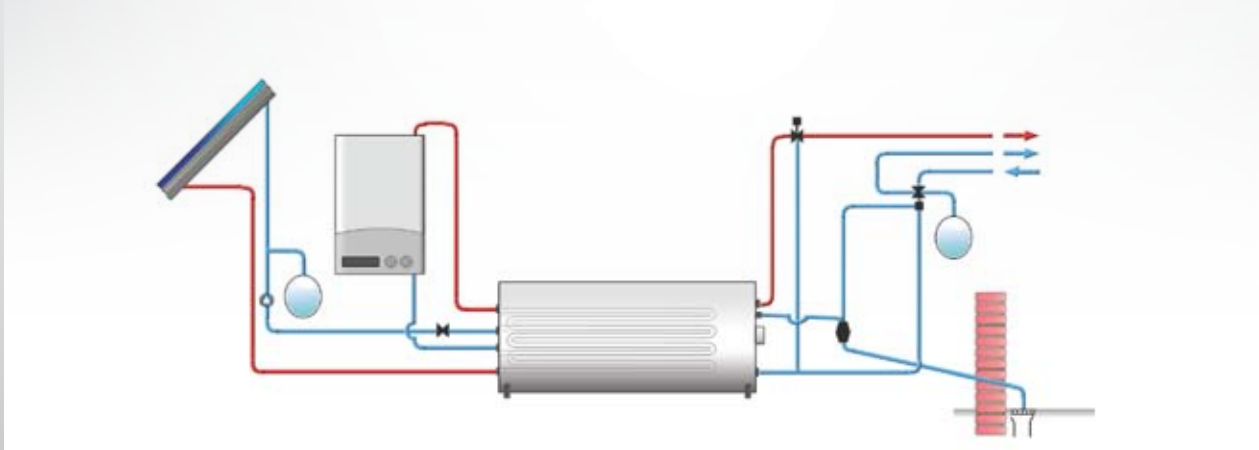
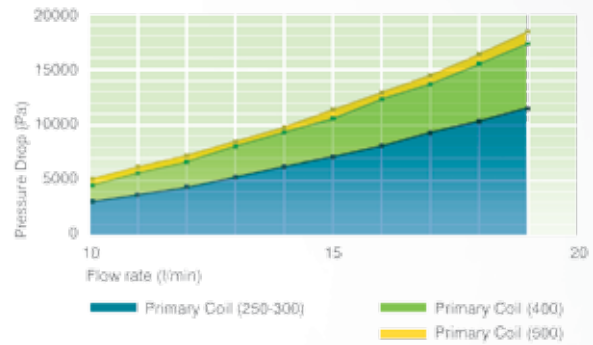
	STANDARD DIRECT								STANDARD INDIRECT								SOLAR TWIN COIL							
Volume (l)	125	150	170	200	250	300	400	500	125	150	170	200	250	300	400	500	125	150	170	200	250	300	400	500
Height (mm)	500	500	500	560	560	560	660	660	500	500	500	560	560	560	660	660	500	500	500	560	560	560	660	660
Length (mm)	925	1085	1205	1085	1335	1535	1535	1880	925	1085	1205	1085	1335	1535	1535	1880	925	1085	1205	1085	1335	1535	1535	1880
Weight Empty (kg)	26	30	32	34	43	47	62	75	26	30	32	34	43	47	62	75	26	30	32	34	43	47	62	75
Weight Full (kg)	151	180	202	234	293	347	462	575	151	180	202	234	293	347	462	575	151	180	202	234	293	347	462	575
Reheat Indirect Total Minutes	-	-	-	-	-	-	-	-	19	21	24	26	26	32	35	35	19	21	24	26	26	32	35	35
Reheat 3 kW Immersion Total Min.	48	63	75	91	118	141	175	222	48	63	75	91	118	141	175	222	48	63	75	91	118	141	175	222
EN12897 Prim. Heat Exchng (kW)	-	-	-	-	-	-	-	-	16	16	16	18	22	22	28	35	16	16	16	18	22	22	28	35
EN12897 Solar Heat Exchng (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	16	16	16	18	18	22	22
Dedicated Solar Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75	85	95	110	135	160	210	260
Standard Standing Loss kWh/Day	1.23	1.41	1.53	1.8	2.15	2.28	2.41	2.54	1.23	1.41	1.53	1.8	2.15	2.28	2.41	2.54	1.23	1.41	1.53	1.8	2.15	2.28	2.41	2.54
Eco80 Standing Loss kWh/Day	1.05	1.35	1.45	1.59	1.69	1.91	2.15	2.25	1.12	1.35	1.45	1.6	1.69	1.91	2.15	2.25	1.05	1.35	1.45	1.59	1.69	1.91	2.15	2.25

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

Primary Coil - Pressure Drop Graph



Primary 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