

# Cyclone Indirect

efficient indirectly heated hot water



## Indirect

These cylinders are designed to be heated indirectly using of an oil or gas boiler. They come complete with one electric Element to intermittently support the water heating system.

## 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.

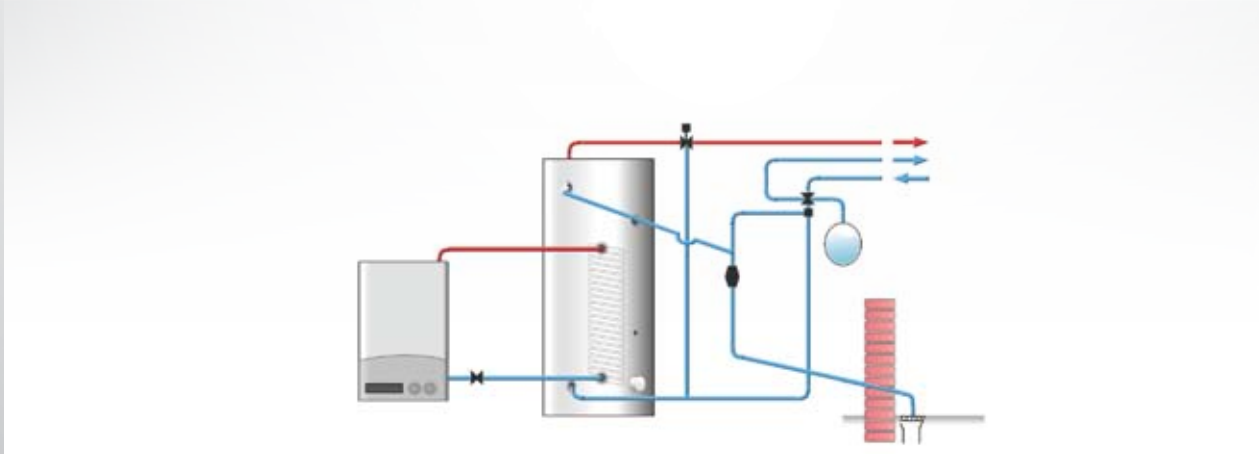
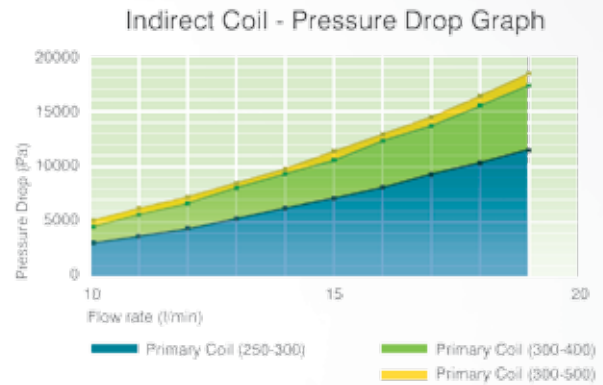
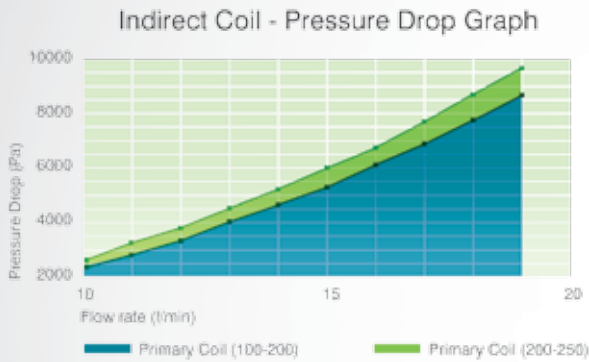
## Eco80

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								SLIM LINE								SPECIAL									
Volume (l)	125	150	170	200	250	300	400	500	100	120	135	150	175	205	230	166	193	222	223	225	270	280	300	305	342	360
Height (mm)	925	1085	1205	1085	1335	1535	1535	1880	925	1085	1205	1335	1535	1880	2000	925	1335	1535	925	1205	1085	1880	2000	1205	1335	1880
Diameter (mm)	500	500	500	560	560	560	660	660	440	440	440	440	440	440	440	560	500	500	660	560	660	500	500	660	660	560
Weight Empty (kg)	26	30	32	34	43	47	62	75	20	24	28	30	34	36	40	32	34	38	39	40	45	46	47	48	55	58
Weight Full (kg)	151	180	202	234	293	347	462	575	120	144	163	180	209	241	270	198	227	260	262	265	315	326	347	353	397	418
Reheat Indirect Total Minutes	19	21	24	26	26	32	35	35	15	19	21	23	27	28	32	26	26	30	31	31	30	31	34	34	30	32
Reheat 3 kW Immersion Total Min.	48	63	75	91	118	141	175	222	44	47	59	63	76	93	112	72	87	101	102	110	135	138	141	144	152	165
EN12897 Prim. Heat Exchng (kW)	16	16	16	18	22	22	28	35	16	16	16	16	16	18	18	16	18	18	18	18	22	22	22	22	28	28
EN12897 Solar Heat Exchng (kW)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dedicated Solar Volume	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Standing Loss kWh/Day	1.23	1.41	1.53	1.8	2.15	2.28	2.41	2.54	1.18	1.25	1.38	1.41	1.55	1.82	1.92	1.48	1.75	1.86	1.87	1.9	2.2	2.24	2.28	2.3	2.35	2.38
Eco80 Standing Loss kWh/Day	1.05	1.35	1.45	1.59	1.69	1.91	2.15	2.25	1.03	1.12	1.32	1.35	1.46	1.61	1.64	1.43	1.56	1.62	1.63	1.66	1.71	1.72	1.73	1.94	2.10	2.12

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



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 Motorized Diverting Valve