



Technical Performance and Specification Data

Unvented Hot Water Cylinders With External Thermal Expansion

Cap (L)	ERP Codes	Energy Rating	Standing Loss (W)	Height (mm)	Diameter (mm)	Weight Empty (kg)	Weight Full (kg)	Pre Plumb Weight Full (kg)	Capacity (Litre)	Heat-up Time (Minutes)	Heat Loss (kW/24Hr)	Pressure Drop	Product specifics					
Direct unvented hot water cylinders													AEC - kWh/Y	Load Profile	Efficiency %			
90	ED90ERP	C	49	745	550	25	116.0	N/A	91	98	1.18	N/A	2689	L	38.1 ‡			
120	ED120ERP	B	50	933	550	30	153.8	N/A	123.8	113.75	1.19	N/A	1222	M	34.9 ‡			
150	ED150ERP	C	68	1120	550	35	189.6	N/A	154.6	126.87	1.62	N/A	2628	L	39.0 ‡			
180	ED180ERP	C	69	1308	550	40	225	N/A	185	TBC	1.66	N/A	2689	L	41.0 ‡			
210	ED210ERP	C	73	1496	550	45	210.4	N/A	215.4	152.71	1.76	N/A	2672	L	38.3 ‡			
250	ED250ERP	C	91	1746	550	50	305.7	N/A	255.7	169.86	2.19	N/A	2669	L	38.4 ‡			
300	ED300ERP	C	87	2055	550	55	360	N/A	305	TBC	2.09	N/A	2504	L	40.9 ‡			
Slimline Direct unvented hot water cylinders													AEC - kWh/Y	Load Profile	Efficiency %			
150	EDS150ERP	C	65	1467	478	46	200	N/A	154	125	1.57	N/A	2689	L	38.1 ‡			
180	EDS180ERP	C	73	1717	478	54	235	N/A	181	140	1.76	N/A	2640	L	38.8 ‡			
210	EDS210ERP	C	87	2030	478	60	270	N/A	210	160	2.09	N/A	2597	L	39.4 ‡			
Indirect unvented hot water cylinders & Pre-Plumb variants													Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW Rating)			
90	EN90ERP	C	49	745	550	30	117.9	N/A	87.9	18.18	1.18	0.16	0.67	3.69	17.98			
120	EN120ERP, EN120P4ERP	B	50	933	550	35	155.1	175.1	120.1	23.85	1.19	0.14	0.67	3.69	18.49			
150	EN150ERP, EN150P4ERP	C	68	1120	550	40	185.4	205.4	150.4	27	1.62	0.16	0.77	4.22	19.72			
180	EN180ERP, EN180P4ERP, EN180P5ERP	C	69	1308	550	45	225.6	235.6	180.6	32.5	1.66	0.15	0.77	4.22	20.17			
210	EN210ERP, EN210P4ERP, EN210P5ERP	C	73	1496	550	50	260.6	270.6	210.6	35.15	1.76	0.17	0.86	4.75	21.35			
250	EN250ERP, EN250P4ERP, EN250P5ERP	C	91	1746	550	55	305.9	315.9	250.9	40.62	2.19	0.17	0.86	4.75	22.4			
300	EN300ERP, EN300P4ERP, EN300P5ERP	C	87	2055	550	60	360.3	370.3	300.3	51.77	2.09	0.16	0.86	4.75	21.43			
400	EN400ERP	C	102	1657	693	85	495.0	N/A	397.0	48	2.45	0.21	1.68	7.85	27.7			
500	EN500ERP	C	110	1946	693	95	595.0	N/A	495.0	55	2.65	0.21	1.68	7.85	28.8			
Horizontal Indirect unvented hot water cylinders													Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW Rating)			
180	ENH180ERP	C	72	1330	550	60	238	N/A	178	32.5	1.72	0.16	0.67	3.69	18.48			
210	ENH210ERP	C	76	1518	550	65	269.6	N/A	204.6	35.15	1.83	0.16	0.86	4.75	19.75			
250	ENH250ERP	C	89	1768	550	70	317	N/A	247	40.62	2.12	0.17	0.86	4.75	20.68			
300	ENH300ERP	C	88	2055	550	75	375.3	N/A	300.3	51.77	2.11	0.17	0.86	4.75	21.43			
Slimline Indirect unvented hot water cylinders													Indirect Coil Surface Area	Indirect Coil Capacity (Litre)	Indirect Coil (kW Rating)			
150	ENS150ERP	C	65	1467	478	52	196	N/A	144	26.82	1.57	0.16	0.76	4.19	19.9			
180	ENS180ERP	C	73	1717	478	60	232	N/A	172.1	33	1.76	0.15	0.76	4.19	19.69			
210	ENS210ERP	C	87	2030	478	68	276	N/A	207.5	42.35	2.09	0.17	0.76	4.19	18.02			
Solar twin coil unvented hot water cylinders & Pre-Plumb variants													Dedicated Solar Volume (Litre)	Solar Coil Surface Area	Solar Coil Capacity	Solar Coil (kW Rating)	Indirect Coil Surface Area	Indirect Coil Capacity (Litre)
180	ET180ERP, TT180P4ERP, TT180PT4ERP	C	69	1308	550	60	228	238	178	35.75	1.66	0.15	53.6	0.67	3.69	18.48	0.67	3.69
210	ET210ERP, TT210P4ERP, TT210PT4ERP	C	73	1496	550	65	259.6	269.6	204.6	35.42	1.76	0.17	51.8	0.77	4.22	19.75	0.86	4.75
250	ET250ERP, TT250P4ERP, TT250PT4ERP	C	91	1746	550	70	307	317	247	40.5	2.19	0.17	92.2	0.77	4.22	20.68	0.86	4.75
300	ET300ERP, TT300P4ERP, TT300PT4ERP	C	87	2055	550	75	360.6	370.6	295.6	48.38	2.46	0.16	79.3	0.86	4.75	22.08	0.86	4.75

All Cylinders

15 dB

3 Bar

Max design pressure (DHW)

Insulation Thickness
50 mm

3.5 Bar

Max primary coil pressure

Service Every
12 Months

Recommended
60°
Stored Water
Temperature

Recommended Minimum Input
25 L.P.M.
@
1.5 Bar

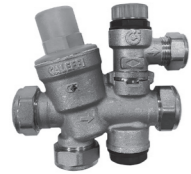
‡ Smart immersion heater controller installed



Technical Performance and Specification Data

Unvented Hot Water Cylinders With External Thermal Expansion

COMPONENTS SUPPLIED WITH ALL CYLINDERS



Inlet control set – with balanced Cold
3 bar PRV 6 bar expansion relief
Spare part no: 025070 /CONTSETALT533



Temperature & pressure relief valve
1/2" NPT x 15mm
Spare part No: VALVETP1/2ALT



Acetal tundish
15 x 22 mm
Spare part no: TUNDPL15ALT



External expansion vessel - DHW

150 litre units - 12 litre vessel
Spare part no: EXPVESB12ALT

180, 210 & 250 litre units - 18 litre vessel
Spare part no: EXPVES18ALT

300 litre units - 25 litre vessel
Spare part no: EXPVESB24ALT

COMPONENTS SUPPLIED WITH SELECTED CYLINDERS



Two port valve
Spare Part No: VALVE2PORTH



Immersion heater
Incoloy long life 3 kW immersion heater
Spare part no: TS9 - DIRECT & INDIRECT
Smart immersion: 026400



Smart immersion heater
Incoloy long life 3 kW immersion heater
Spare part no: 026400
(lower immersion on direct models only)



External expansion vessel
- Central heating

Under 250 litre units - 18 litre vessel
Spare part no: 025007

300 litre units - 25 litre vessel
Spare part no: 025008



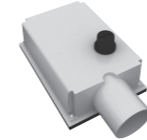
Filling Loop
Spare part no: FLOOP2



Circulating Pump
Spare part no: PUMPWYPERP



Dual thermostat
Spare part nos: STATOVALALTP



High limit thermostat
Spare part no: STATHIGHALT



TPOne B - Programmable room
thermostat
Spare Part No: 026645



TPOne M - Two channel
programmable room thermostat
with DHW control
Spare Part No: 026646



Auto By-Pass SPV30
Spare Part No: VALVEARV22

FLOW RATES

Unvented cylinders are renowned for their ability to deliver fast flow rates. The diagram here illustrates the speed at which hot water can be heated and distributed reliably throughout the home.

