



HP290.

PRE-PLUMBED DHW CYLINDERS WITH INTEGRATED BUFFER



Single and two zone options



Industry leading reheat times



25 year warranty*



Fully pre-plumbed and pre-wired



Factory fitted control box



Highly efficient multi-coil heat exchanger



**HALO LITE RF
COMPATIBLE**

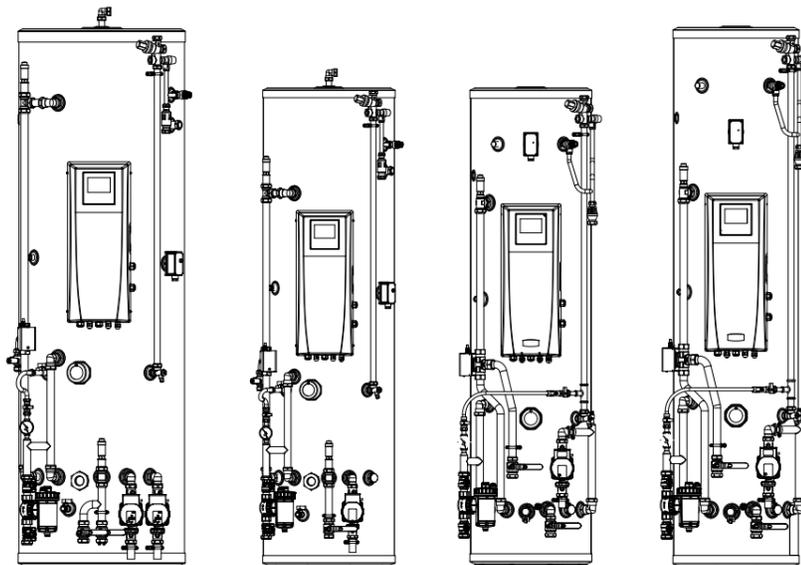
Technical Specification.

PRE-PLUMBED DHW CYLINDERS WITH INTEGRATED BUFFER - SINGLE ZONE

		HP290 DHW CYL PP 150 CBOX BUFF 1Z SL	HP290 DHW CYL PP 180 CBOX BUFF 1Z SL	HP290 DHW CYLINDER PP 180 BUFFER 1Z	HP290 DHW CYLINDER PP 210 BUFFER 1Z	HP290 DHW CYLINDER PP 250 BUFF 1Z	HP290 DHW CYLINDER PP 300 BUFF 1Z
Ideal Product Code		241522	241523	240130	240132	240134	240136
Energy efficiency class		B	C	B	B	B	B
Heat Loss	Watts/h	51	64	49	55	62	68
Capacity (DHW content)	Litres	143	163	171	199	239	287
Volume of integrated buffer	Litres	33	33	70	70	63.5	63.5
Weight empty	Kg	57	61	64.6	68.6	77	87
Weight full	Kg	200	224	305.6	337.4	379	437.5
Overall width	mm	569	569	644	644	705	705
Overall height	mm	1890	2085	1907	2095	1908	2128
Overall depth	mm	590	590	702	702	780	780
Cylinder diameter	mm	475	475	550	550	630	630
Cylinder height	mm	1890	2085	1829	2017	1829	2049
Primary heat exchanger surface area	m2	1.8	1.8	2.5	2.5	2.5	3.0
Heat up time from 10°C to 50°C*	Min	24	26.1	22.17	32.71	26.56	44.09
Immersion heater rating	kW	3	3	3	3	3	3
Secondary return connection	No/Yes	Yes	Yes	No	Yes	Yes	Yes

*Heat up time, HWA heat pump test 002.2020 (flow rate 0.42l/s and flow temperature of 55°C).

The relative heat up times stated are based on the HWA test referenced above and carried out on all cylinders within the range. The stated test value may not reflect real life performance within a residential environment.



INCLUDES

- ✓ Wiring centre
- ✓ Controller
- ✓ Heat pump filter
- ✓ DHW 3-port valve
- ✓ P&T valve
- ✓ High temp cut out
- ✓ Expansion vessel
- ✓ Pressure gauge
- ✓ Automatic air vent(s)
- ✓ Isolation valves
- ✓ 3kW immersion
- ✓ Circulation pump(s)
- ✓ Flow & return thermistors
- ✓ DHW thermistor
- ✓ Outdoor sensor

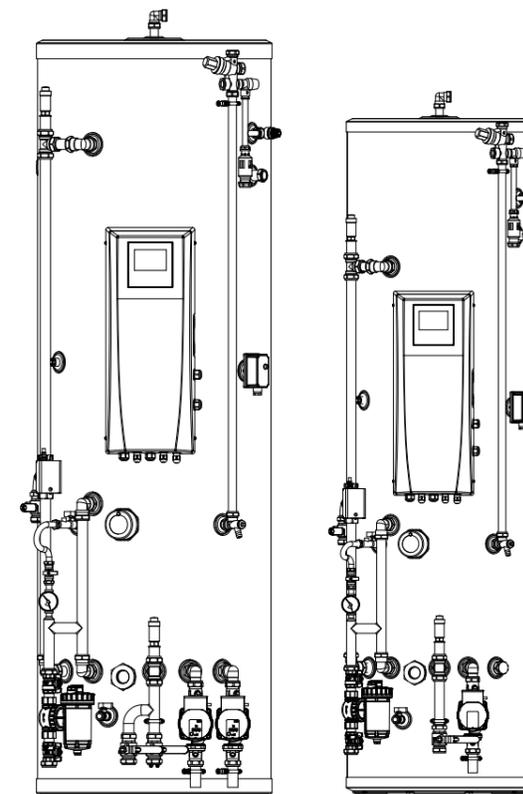
Technical Specification.

PRE-PLUMBED DHW CYLINDERS WITH INTEGRATED BUFFER - TWO ZONE

		HP290 DHW CYLINDER PP 180 BUFFER 2Z	HP290 DHW CYLINDER PP 210 BUFFER 2Z	HP290 DHW CYLINDER PP 250 BUFF 2Z	HP290 DHW CYLINDER PP 300 BUFF 2Z
Ideal Product Code		240131	240133	240135	240137
Energy efficiency class		B	B	B	B
Heat Loss	Watts/h	49	55	62	68
Capacity (DHW content)	Litres	171	199	239	286
Volume of integrated buffer	Litres	70	70	63.5	63.5
Weight empty	Kg	68	71.8	80	90.2
Weight full	Kg	309	340.6	382	439.7
Overall width	mm	644	644	705	705
Overall height	mm	1907	2095	1908	2128
Overall depth	mm	702	702	780	780
Cylinder diameter	mm	550	550	630	630
Cylinder height	mm	1829	2017	1829	2049
Primary heat exchanger surface area	m2	2.5	2.5	2.5	3.0
Heat up time from 10°C to 50°C*	Min	22.17	32.71	26.56	44.09
Immersion heater rating	kW	3	3	3	3
Secondary return connection	No/Yes	No	Yes	Yes	Yes

*Heat up time, HWA heat pump test 002.2020 (flow rate 0.42l/s and flow temperature of 55°C).

The relative heat up times stated are based on the HWA test referenced above and carried out on all cylinders within the range. The stated test value may not reflect real life performance within a residential environment.



INCLUDES

- ✓ Controller
- ✓ Wiring centre
- ✓ Heat pump filter
- ✓ DHW 3-port valve
- ✓ P&T valve
- ✓ High temp cut out
- ✓ Expansion vessel
- ✓ Pressure gauge
- ✓ Automatic air vent(s)
- ✓ Isolation valves
- ✓ 3kW immersion
- ✓ Circulation pump(s)
- ✓ Flow & return thermistors
- ✓ DHW thermistor
- ✓ Outdoor sensor



Customer Service:

01482 498660

Technical Help:

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