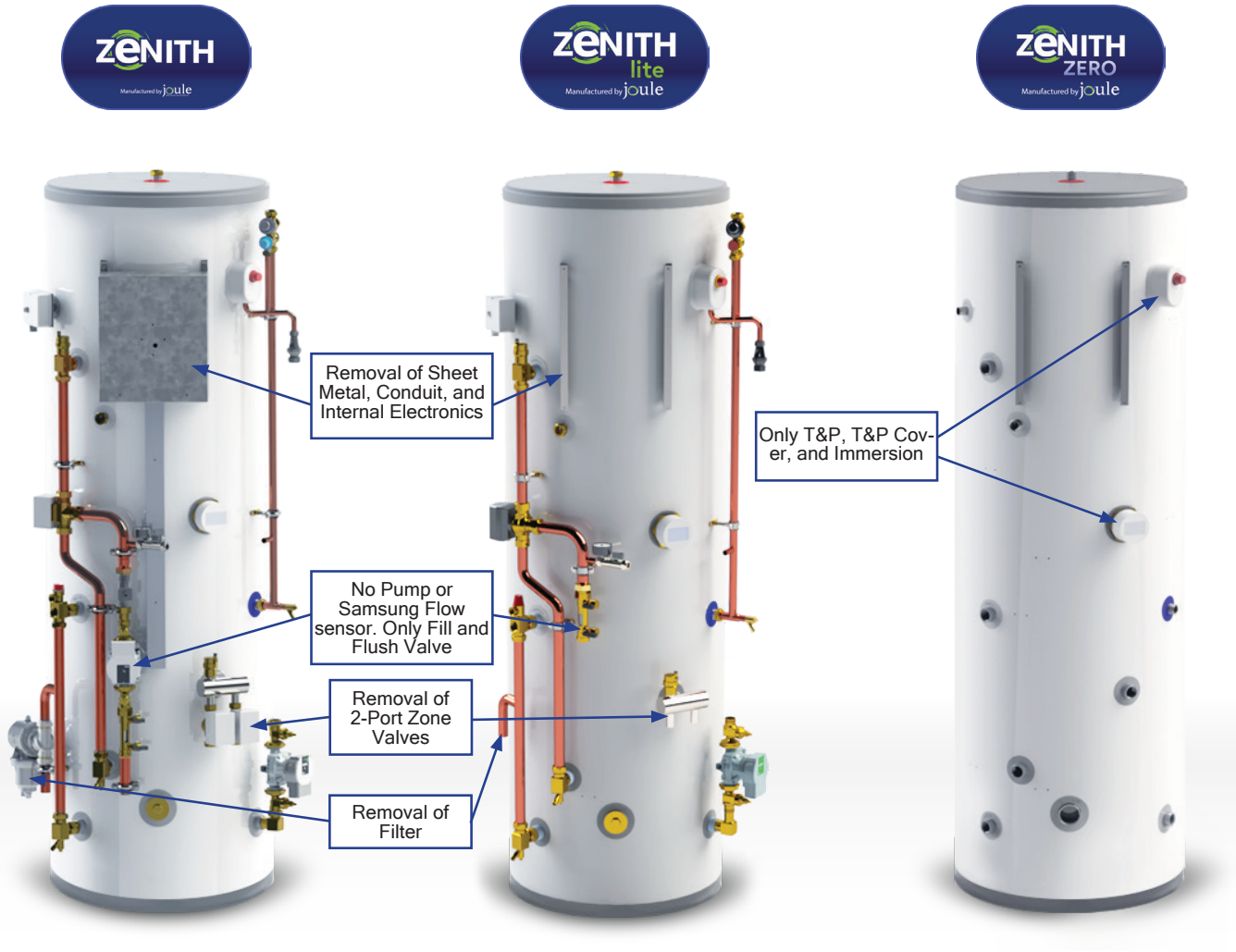
Zenith Range Specifications

Joule, Unit 3, Leftfield Park, Park Road, Pontefract, West Yorkshire, WF8 4PS, UK
Sales: 0330 808 8488 | Email: sales@jouleuk.co.uk | Website: www.jouleuk.co.uk

Range Differentials



joule

Joule, Unit 3, Leftfield Park, Park Road, Pontefract, West Yorkshire, WF8 4PS, UK
Sales: 0330 808 8488 | Email: sales@jouleuk.co.uk | Website: www.jouleuk.co.uk

Material Specification

Tank Shell Material	LDX 2101
Tank Boss Material	316L Stainless Steel
Coil Body Material	316L Stainless Steel
Tank Casing Material	DX52D + Z100 +OC
Foam Insulation Material	Dense PU Foam
Foam Insulation Thickness	45mm
Immersion Sheath Material	Incoloy

Product Specification

Max Mains Water Supply Pressure	1.0MPa / 10 bar
Operating Pressure Secondary Circuit (PRV Setting)	0.3MPa / 3 bar
Expansion Vessel Design Pressure	0.28MPa / 2.8 bar (0.2 bar below operating pressure)
Expansion Relief Valve Setting	0.6MPa / 6 bar
Maximum Design Pressure of the Secondary Circuit	Dense PU Foam
Maximum Expansion Vessel Pressure	1.0MPa / 10 bar
T&P Relief Valve Settings	0.7MPa / 7 bar & 90°C
Primary Coil Maximum Design Pressure	0.6MPa / 6 bar
Operating Pressure of Primary Circuit	0.3MPa / 3 bar
Primary Flow Rate Information	15L/Min @ 80° C
Immersion Heater Spec	3 kW @ 230Vac
Immersion Heater Thermostat	F.70/ S.78
Indirect Coil Ratings	See Specification Tables
Pressure Drop Ratings Across the Indirect Coils	See Specification Tables

Mechanical Specification	ZENITH	ZENITH lite	ZENITH ZERO
Automatic Air Vent (AAV) • Caleffi Robocal 502649	✓	✓	✗
ADrain Valve Type • ½" Drain Cock	✓	✓	✗
No. Space Heating Zones	2*	2**	1***
No. DHW Zones	1	1	1
Magnetic Filter Type • RBM Series 3833 MP2 Self Cleaning Magnetic Sludge Remover	✓	✗	✗
Honeywell 3 Port Diverter Valve Type • Honeywell V4044C, 28mm Compression	✓	✓	✗
No. Circulating Pumps	2	1	0
PWM Circulating Pump Type • Wilo Para 25-130/8-75/iPWM1-12 (MAX) • Wilo Para 25-130/7-50/iPWM1-12 (Slim/STD)	✓	✗	✗
Filling loop/type • Altecnic ALT-ST0035	✓	✓	✗
Samsung Flow Switch	✓	✗	✗
Fill and Flush Flowmeter • Novasfer Flowmeter 1490/J	✓	✓	✗
Heating Circuit Distribution Manifold	✓	✓	✗
2 Port Honeywell Zone Valves • 22mm Compression V4043H Motorized Zone Valve	✓	✗	✗
Cylinder Dual Thermostat • Zenith - EPH: J-107-3602 • Zenith Lite & Zero – Altecnic: 542902	✓	✓	As part of Kit
Inlet Control Group • ICGV 3 Bar 22mm – 533201CST	✓	✓	As part of Kit
Safety Relief Valve • Novasfer 3 Bar - 10005403	✓	✓	As part of Kit
T&P Relief Valve • Caleffi Pressure Reducing Valve 6 bar	✓	✓	✓
Immersion Heater • Incoloy Immersion 14" 1.75" 3kW @ 230 Vac	✓	✓	✓
Samsung MIM Electronics Control Board • MIM-E03CN /DN	✓	✗	✗

* Heating Circuit Distribution Manifold & 2 No. 2-Port Motorized Valves Fitted
** Heating Circuit Distribution Manifold Fitted. No 2-Port Motorized Valves Fitted.
*** No Heating Circuit Distribution Manifold & No 2-Port Motorized Valves Fitted

Joule, Unit 3, Leftfield Park, Park Road, Pontefract, West Yorkshire, WF8 4PS, UK
Sales: 0330 808 8488 | Email: sales@jouleuk.co.uk | Website: www.jouleuk.co.uk

Zenith Pre Plumb Technical Specifications

Pre-Plumb Unit Specifications

Model	HUZN-SLM-15030	HUZN-SLM-18030	HUZN-STD-18050	HUZN-STD-20050	HUZN-MAX-25070	HUZN-MAX-30070
Type	**Slim**	**Slim**	**Std**	**Std**	**Max**	**Max**
Height (mm)	1898	2045	1758	1939	1980	2183
Rated Volume (L)	180	210	230	250	345	385
Actual Volume (L)	171	201	222	243	333	368
Weight (kg)	83	86	85	89	106	110
Coil Rating (kW)	33.7	34.1	31.3	30.0	32.9	32.1
Standing Heat Loss (kW/24h)	1.44	1.56	1.39	1.49	1.73	1.97
Standing Heat Loss (W)	60	65	58	62	72	82
Energy Efficiency Class	C	C	B	C	C	C
Coil Surface Area [m^2]	1.8	2.0	2.0	2.0	2.5	2.5
Coil Volume (L)	8.9	9.1	10.8	10.8	12.4	12.4
V40 (L)	269	320	314	347	446	498
Pressure Drop Through the Primary Heat Exchanger (Bar)	0.0285	0.03	0.03	0.03	0.033	0.033

Joule, Unit 3, Leftfield Park, Park Road, Pontefract, West Yorkshire, WF8 4PS, UK
Sales: 0330 808 8488 | Email: sales@jouleuk.co.uk | Website: www.jouleuk.co.uk

joule

Zenith Lite Pre Plumb Technical Specifications

Pre-Plumb Unit Specifications						
Model	**HUZNL-SL-15030**	**HUZNL-SL-18030**	**HUZNL-SD-18050**	**HUZNL-SD-20050**	**HUZNL-MX-25070**	**HUZNL-MX-30070**
Type	**Slim**	**Slim**	**Std**	**Std**	**Max**	**Max**
Height (mm)	1898	2045	1758	1939	1980	2183
Rated Volume (L)	180	210	230	250	345	385
Actual Volume (L)	171	201	222	243	333	368
Weight (kg)	77	80	79	83	100	104
Coil Rating (kW)	33.7	34.1	31.3	30.0	32.9	32.1
Standing Heat Loss (kW/24h)	1.44	1.56	1.39	1.49	1.73	1.97
Standing Heat Loss (W)	60	65	58	62	72	82
Energy Efficiency Class	C	C	B	C	C	C
Coil Surface Area [m^2]	1.8	2.0	2.0	2.0	2.5	2.5
Coil Volume (L)	8.9	9.1	10.8	10.8	12.4	12.4
V40 (L)	269	320	314	347	446	498
Pressure Drop Through the Primary Heat Exchanger (Bar)	0.0285	0.03	0.03	0.03	0.033	0.033

joule

Joule, Unit 3, Leftfield Park, Park Road, Pontefract, West Yorkshire, WF8 4PS, UK
Sales: 0330 808 8488 | Email: sales@jouleuk.co.uk | Website: www.jouleuk.co.uk

Zenith Zero Cylinder Technical Specifications

Cylinder Unit Specifications

Model	HUZNZ-SL-15030	HUZNZ-SL-18030	HUZNZ-SD-18050	HUZNZ-SD-20050	HUZNZ-MX-25070	HUZNZ-MX-30070
Type	**Slim**	**Slim**	**Std**	**Std**	**Max**	**Max**
Height (mm)	1898	2045	1758	1939	1980	2183
Rated Volume (L)	180	210	230	250	345	385
Actual Volume (L)	171	201	222	243	333	368
Weight (kg)	62	65	64	68	85	89
Coil Rating (kW)	33.7	34.1	31.3	30.0	32.9	32.1
Standing Heat Loss (kW/24h)	1.44	1.56	1.39	1.49	1.73	1.97
Standing Heat Loss (W)	60	65	58	62	72	82
Energy Efficiency Class	C	C	B	C	C	C
Coil Surface Area [m^2]	1.8	2.0	2.0	2.0	2.5	2.5
Coil Volume (L)	8.9	9.1	10.8	10.8	12.4	12.4
V40 (L)	269	320	314	347	446	498
Pressure Drop Through the Primary Heat Exchanger (Bar)	0.0285	0.03	0.03	0.03	0.033	0.033

Joule, Unit 3, Leftfield Park, Park Road, Pontefract, West Yorkshire, WF8 4PS, UK
Sales: 0330 808 8488 | Email: sales@jouleuk.co.uk | Website: www.jouleuk.co.uk

joule

Joule, Unit 3, Leftfield Park,
Park Road, Pontefract, West Yorkshire,
WF8 4PS, UK

Sales 0330 808 8488
Email sales@jouleuk.co.uk
Website www.jouleuk.co.uk

PRODUCT PAGE