

Technical Product Submittal

Immersion heaters

Models covered

LV338321

LV338322

LV338323

LV338324

LV338325

LV338326

LV338327

LV338328

LV338329

LV338330

LV338331

LV338332

LV338333



The LSTHP domestic hot water storage vessel range has been designed to work alongside the Amicus heat pump range. As part of the heat pump package supplied by Lochinvar a range of immersion heaters are available to provide support to the heat pump system, there are 5no 2½” screw type immersion heaters available from 3kW to 15kW and 8no flanged type designed to fit into the tank inspection opening from 18kW to 90kW.

Technical data tables screw type

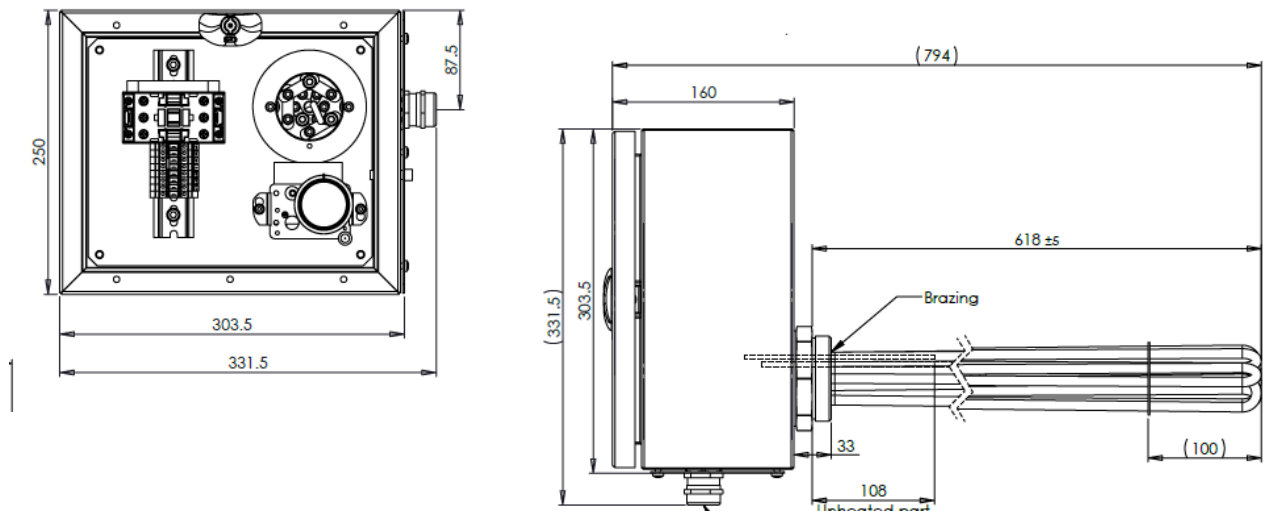
Model		LV338321	LV338322	LV338323	LV338324	LV338325
Electrical data						
Power supply	V/Ph/Hz	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50
Number of circuits		3	3	3	3	3
General data						
Boss size		2½"	2½"	2½"	2½"	2½"
Gasket material		Fibre/NBR WRAS approved				
Cold zone	mm	108	108	108	108	108
Immersed length	mm	618	618	618	618	618
Element sheath material		Stainless 316L				
Watts density	W/cm2	5.4	5.4	5.4	7.5	11.1
Control thermostat	°C	30-70	30-70	30-70	30-90	30-90
Over-temp cut out thermostat	°C	95	95	95	98	98
Maximum operating temperature	°C	70	70	70	90	90

Technical data tables flange type

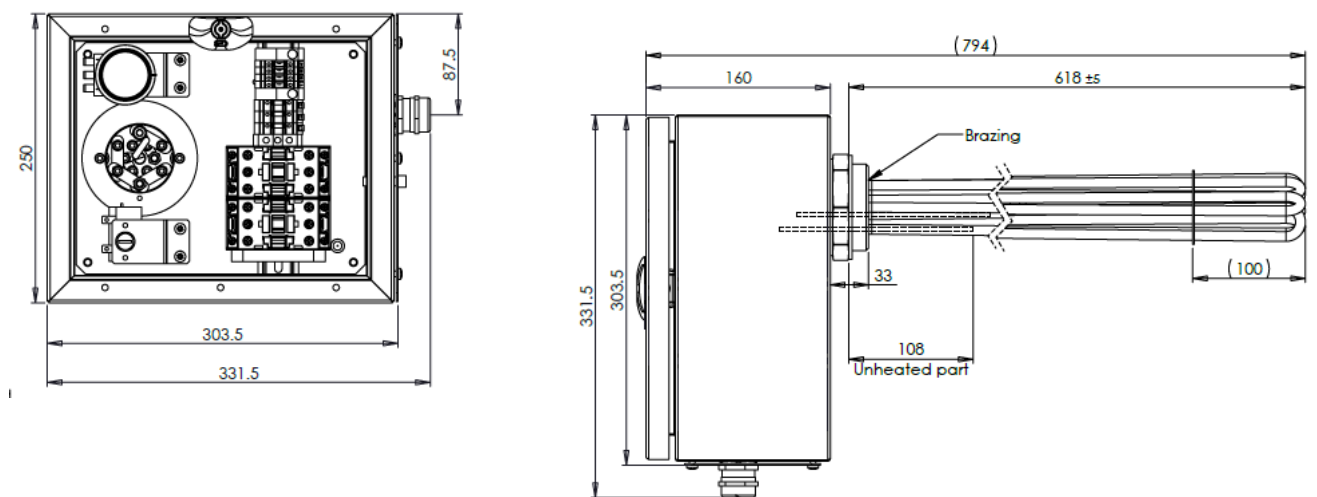
Model		LV338326	LV338327	LV338328	LV338329	LV338330	LV338331	LV338332	LV338333
Electrical data									
Power supply	V/Ph/Hz	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50	415/3/50
Number of circuits		3	3	3	3	3	3	3	3
General data									
Boss size		DN150	DN150	DN150	DN150	DN150	DN150	DN150	DN150
Gasket material		Fibre/NBR WRAS approved							
Cold zone	mm	118	118	118	118	118	118	118	118
Immersed length	mm	640	640	640	640	640	640	640	640
Element sheath material		Stainless 316L							
Watts density	W/cm2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
Control thermostat	°C	30-90	30-90	30-90	30-90	30-90	30-90	30-90	30-90
Over-temp cut out thermostat	°C	98	98	98	98	98	98	98	98
Maximum operating temperature	°C	90	90	90	90	90	90	90	90

Dimensions

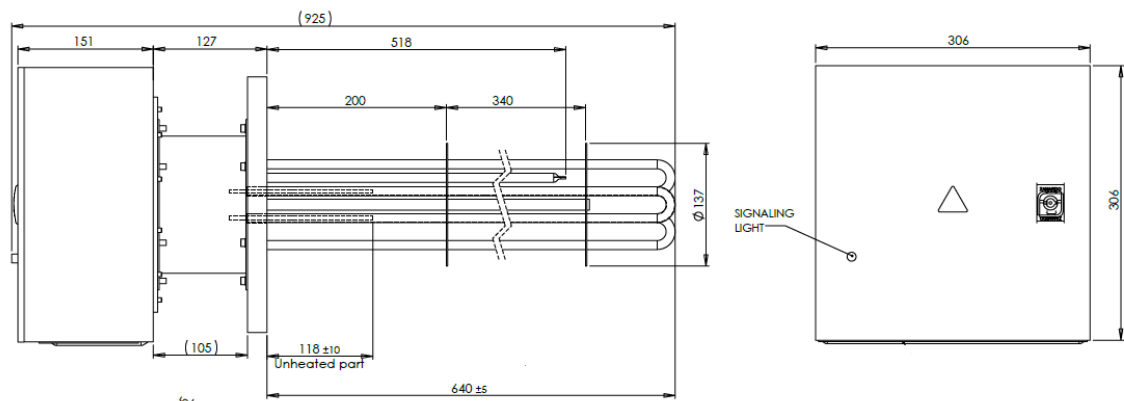
Dimensions models LV338321-LV338323



Dimensions models LV338324-LV33835

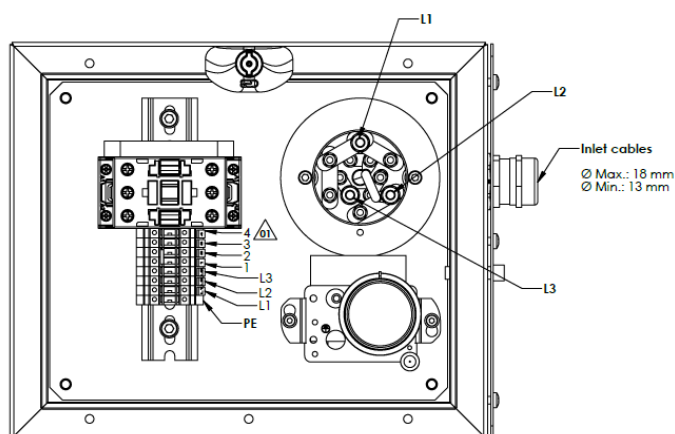


Dimensions models LV338326- LV338333



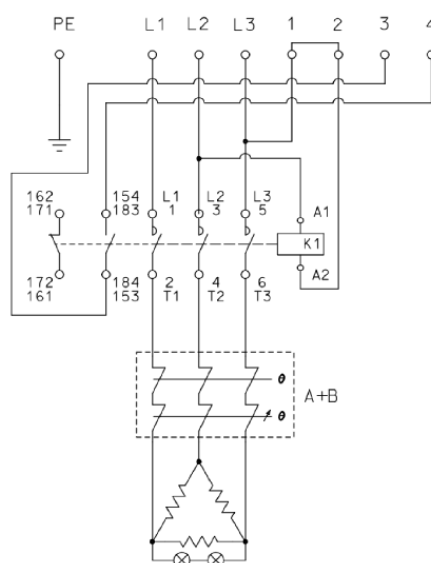
Wiring diagram LV338321-LV33823

ELECTRIC DIAGRAM



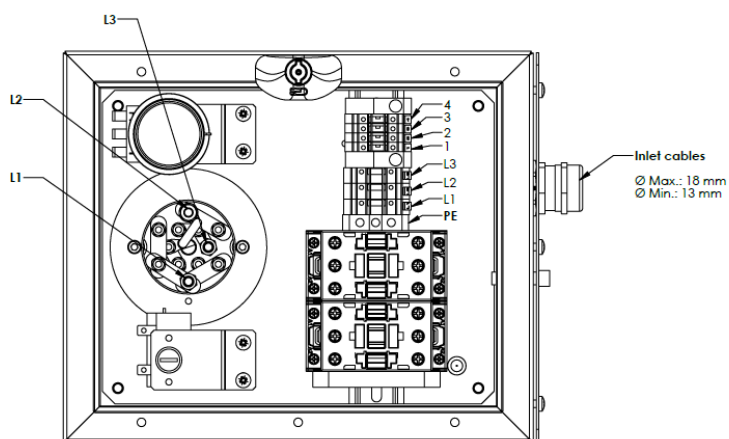
NOTE:

screw terminal block: 4 mm² 20-10 AWG



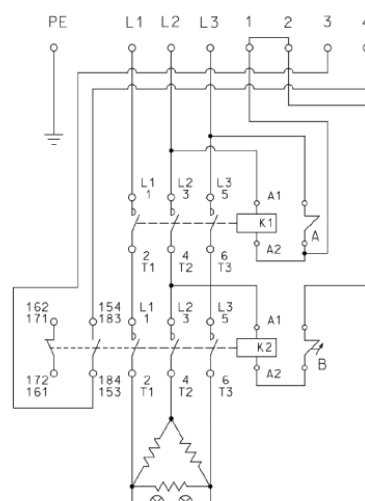
Wiring diagram LV338324-LV338325

ELECTRIC DIAGRAM

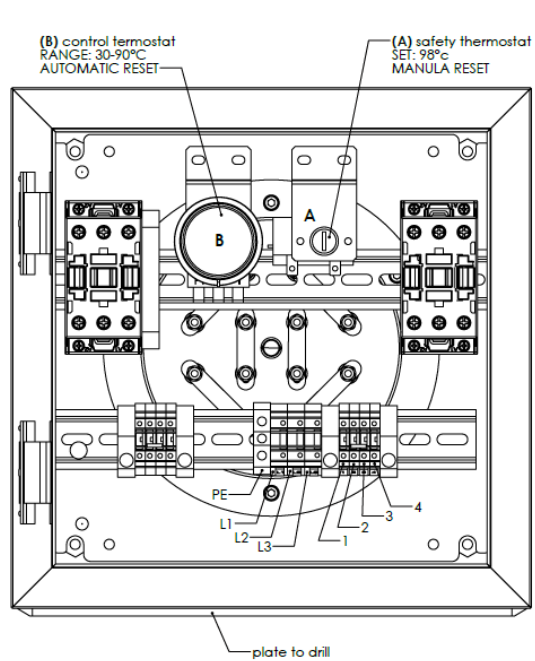


NOTE:

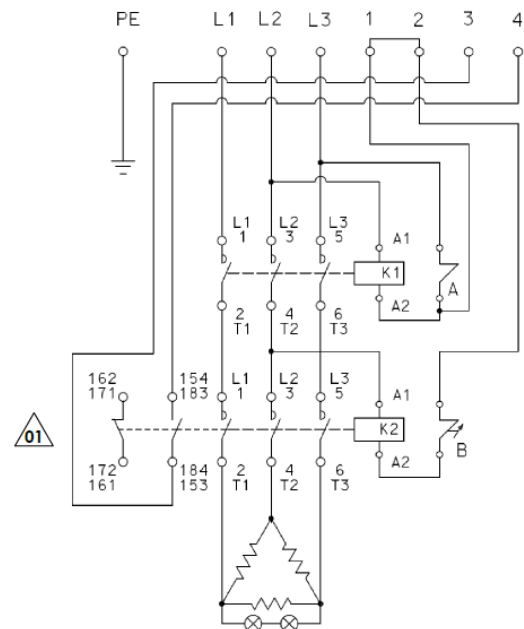
screw terminal block: 10 mm² 14-6 AWG



Wiring diagram LV33826-LV338333



ELECTRICAL DIAGRAM





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