Vulcan
THE UK'S POOL HEATING & DISINFECTION SPECIALISTS

MADE IN BRITAIN

ALL TITANIUM

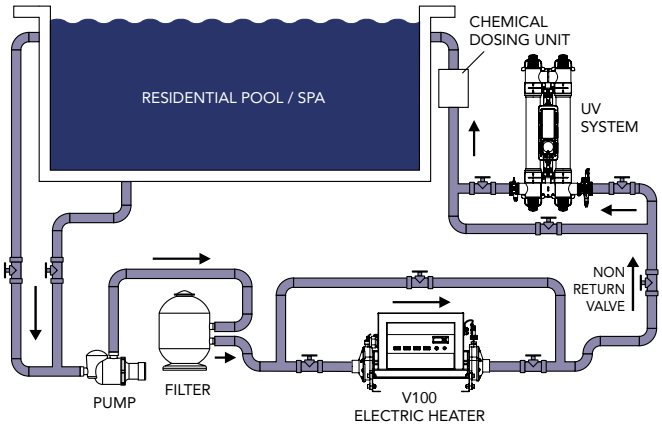
V100

The V100 is our largest, most powerful, highly efficient pool heater in the Vulcan range. Engineered for heavy usage and top-end performance, the V100 range of models are capable of heating any size commercial pool, with ease. Designed and manufactured in Britain, this product ensures customer satisfaction, providing a reliable, long lasting solution for their pool heating needs.

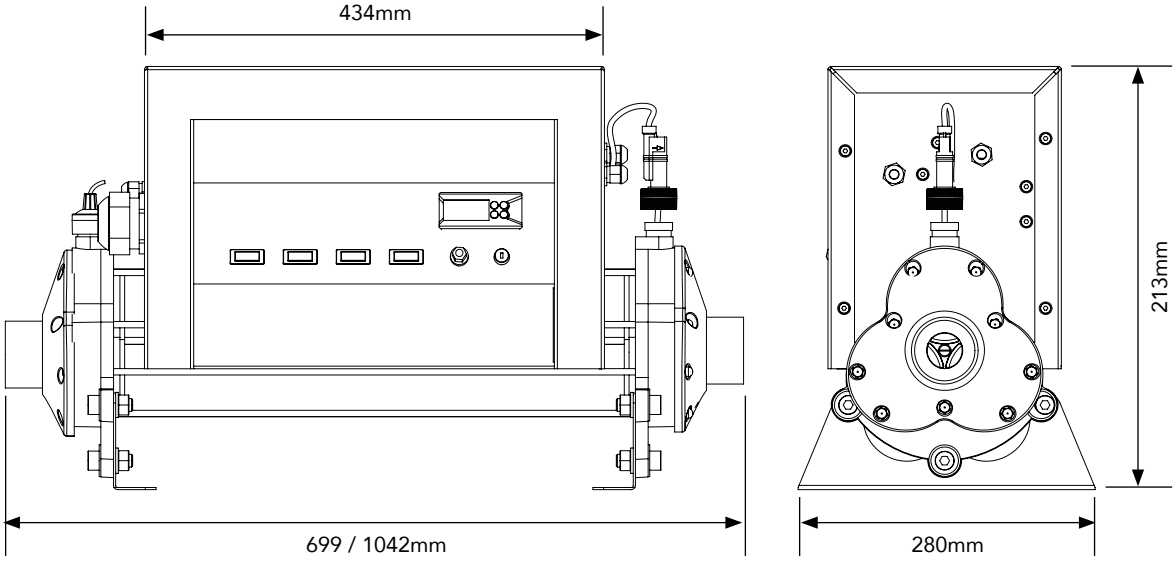
FEATURES

- 10 models available, ranging from 18-kW to 120-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction and compact design
- Ultra-reliable flow switch for safe operation
- Fitted with temperature thermostat and overheating sensor
- Analogue control with 1.2°C differential or digital control with 0.5°C differential
- Titanium flow tube and titanium heating element(s)
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Sea and salt chlorinated water compatible
- Can be floor or vertically wall mounted
- Silent operation

SYSTEM SETUP



TECHNICAL DRAWINGS



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SPECIFICATIONS

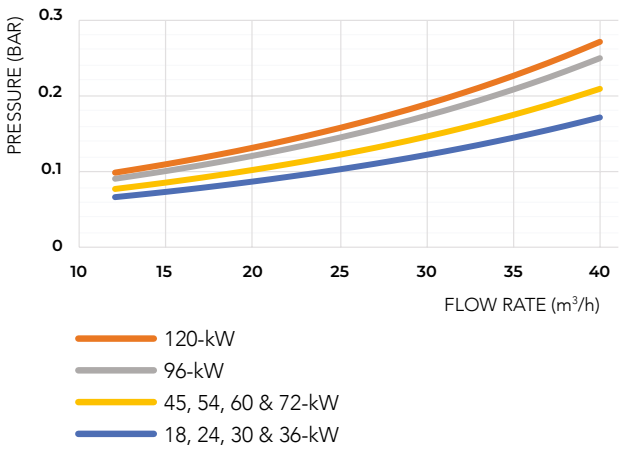
Power supply:	Three-Phase
Flow rate:	Minimum: 12m³/h Maximum: 45m³/h Recommended: 30m³/h
Heating element:	Grade 1 titanium
Flow tube:	Grade 1 titanium
Control thermostat:	Analogue: 0 > 45°C 1.2°C differential Digital: 0 > 45°C 0.5°C differential
Safety thermal cut out:	60°C (manual reset)
Flow switch:	Rhodium tipped reed switch with titanium fulcrum pin
Contactor:	Cascade wired dual Siemens contactors for each element bank
Seals:	High temperature special formula EPDM ferrules. HNBR end fitting gaskets
Water connections:	63mm spigot with 2"/63mm stepped ABS unions
Ingress protection rating:	IP44
Frequency:	50/60 Hz
Working pressure:	4 bar maximum
Mounting:	Floor or wall mounting

MODELS

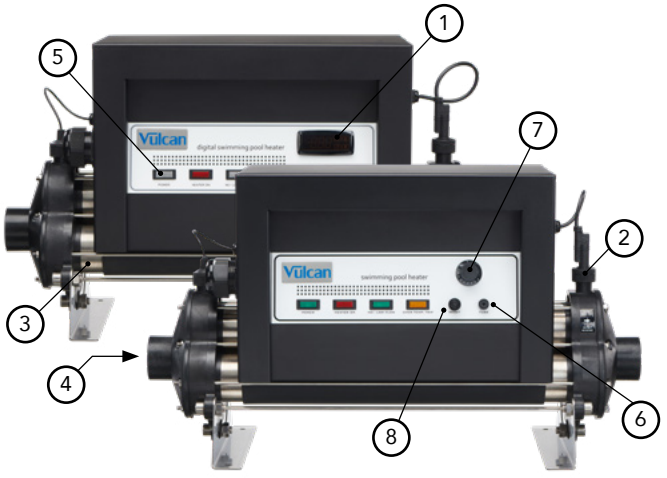
MODEL	POWER OUTPUT	LOAD (amp)	LENGTH (mm)	NET WEIGHT (kg)	GROSS WEIGHT (kg)	VOLUME (m³)	ANALOGUE	DIGITAL
380-415V 3-Phase*	**18-kW**	26	699	16.5	19	0.18	V100-18-A	V100-18
	24-kW	35	699	16.5	19	0.18	V100-24-A	V100-24
	30-kW	44	699	16.5	19	0.18	V100-30-A	V100-30
	36-kW	53	699	16.5	19	0.18	V100-36-A	V100-36
	45-kW	66	699	19.5	22	0.18	V100-45-A	V100-45
	54-kW	79	699	19.5	22	0.18	V100-54-A	V100-54
	60-kW	87	699	19.5	22	0.18	V100-60-A	V100-60
	72-kW	105	699	19.5	22	0.18	V100-72-A	V100-72
	96-kW	139	1042	27.8	32.1	0.27	V100-96-A	V100-96
	120-kW	174	1042	29.8	34.1	0.27	V100-120-A	V100-120

*For voltages other than 400V please add: -380 or -415 at the end of the product code e.g. V100-45-380

PRESSURE DROP



KEY PARTS



1. Digital temperature control
2. Flow switch
3. Titanium flow tube
4. Titanium heating element *(Internal)*
5. Neon indicators
6. Fuse
7. Analogue temperature dial
8. Thermal safety cut-out reset switch

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