

TITAN OPTIMA

(ALL TITANIUM)

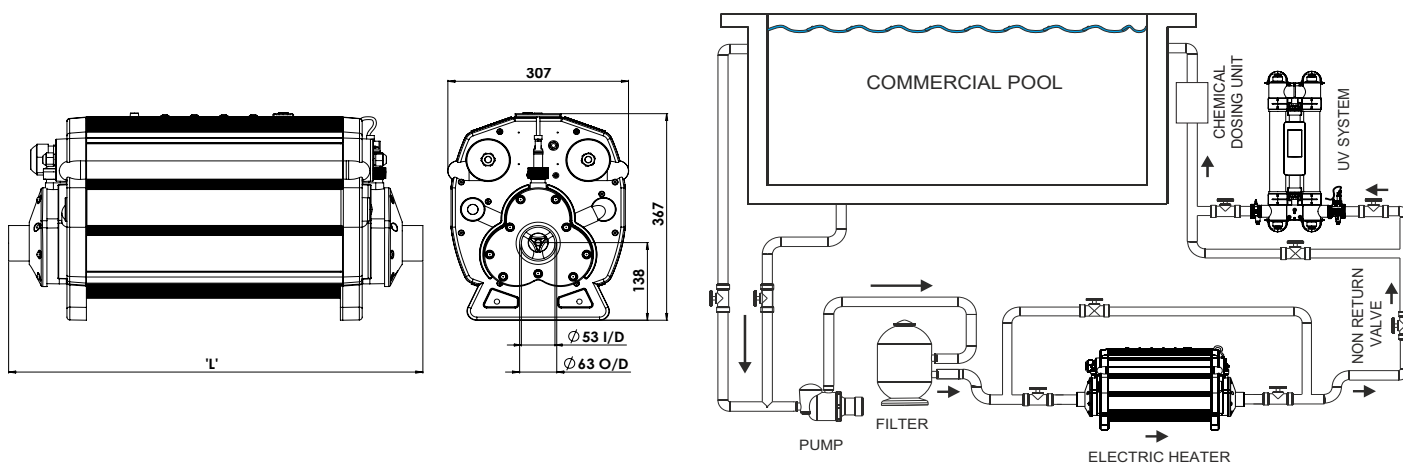
Reliable, accurate and efficient, the Titan Optima fully titanium heater is top of the range and comes with a touchscreen display. It is the ideal choice for a long-lasting heater for commercial pools. The design makes it highly robust and durable.



FEATURES

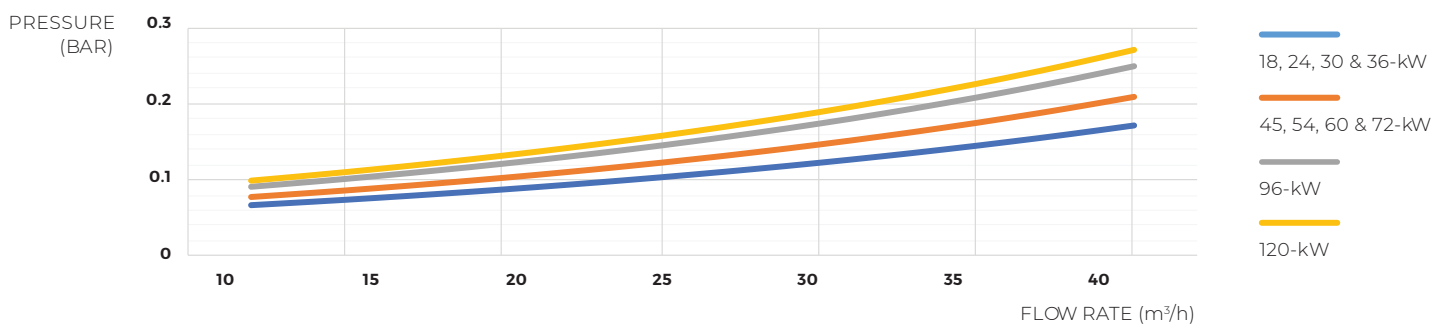
- Various power options ranging from 18-kW to 120-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Supplied with temperature thermostat and overheating sensor
- Compact, durable design
- Touchscreen control with soft-start for power supply protection
- Titanium flow tubes and titanium heating elements
- Can be floor or vertically wall mounted
- Vortex, long life, stay clean heating element technology
- 100% efficiency throughout the product life
- Silent operation

TECHNICAL DRAWINGS

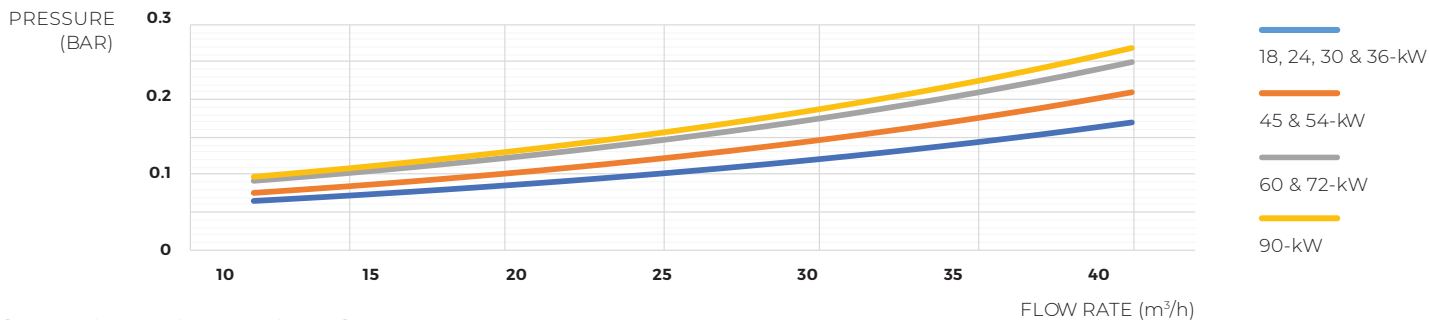


PRESSURE DROP

PRESSURE DROP 3-PHASE 380-415V



PRESSURE DROP 3-PHASE 220-240V



SPECIFICATIONS

POWER SUPPLY	Three phase
FLOW REQUIREMENTS	Minimum flow: 12m ³ /h Recommended: 30m ³ /h Maximum flow: 45m ³ /h
HEATING ELEMENTS	Grade 1 titanium
FLOW TUBES	Grade 1 titanium
CONTROL THERMOSTAT	Touchscreen 0 > 45°C (0.5°C differential)
SAFETY THERMAL CUT OUT	65°C safety thermal cut out (auto reset) against enclosure over-temperature 60°C safety thermal cut out (manual reset)
FLOW SWITCH	Gold tipped reed switch with titanium fulcrum pin
CONTACTORS	Cascade wired dual Siemens 3RT2023 or 3RT2027 for each element bank
SEALS	High temperature special formula EPDM ferrules
WATER CONNECTIONS	63mm spigot with 2" / 63mm stepped ABS unions
INTERNATIONAL PROTECTION MARKING	IP44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting

MODELS

400V 3-PHASE*	LOAD	PRODUCT CODES	DIMENSION 'L'	NET WEIGHT	GROSS WEIGHT	VOLUME
Power Output	Amp		mm	kg	kg	m ³
18-kW	26	CP-TS-18	699	21.8	25.8	0.20
24-kW	35	CP-TS-24	699	21.8	25.8	0.20
30-kW	44	CP-TS-30	699	21.8	25.8	0.20
36-kW	53	CP-TS-36	699	21.8	25.8	0.20
45-kW	66	CP-TS-45	699	24.0	28.0	0.20
54-kW	79	CP-TS-54	699	24.0	28.0	0.20
60-kW	87	CP-TS-60	699	24.0	28.0	0.20
72-kW	105	CP-TS-72	699	24.0	28.0	0.20
96-kW	139	CP-TS-96	1042	39.1	43.8	0.28
120-kW	174	CP-TS-120	1042	39.1	43.8	0.28

220-240V 3-PHASE

18-kW	46	CP-18-TS-D	699	23.3	27.3	0.20
24-kW	61	CP-24-TS-D	699	23.3	27.3	0.20
30-kW	76	CP-30-TS-D	699	23.3	27.3	0.20
36-kW	91	CP-36-TS-D	699	23.3	27.3	0.20
45-kW	114	CP-45-TS-D	699	23.3	27.3	0.20
54-kW	136	CP-54-TS-D	699	23.3	27.3	0.20
60-kW	151	CP-60-TS-D	1042	39.1	43.8	0.28
72-kW	181	CP-72-TS-D	1042	39.1	43.8	0.28
90-kW	227	CP-90-TS-D	1042	39.1	43.8	0.28

* for voltages other than 400V please add: -380 or -415 at the end of a product code e.g: CP-120-380
For any other voltages or custom builds, please contact our sales team sales@elecro.co.uk