

EVOLUTION 2 (ALL TITANIUM)

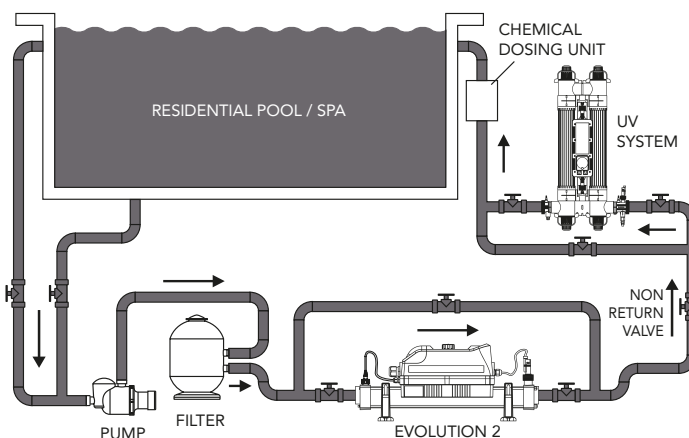
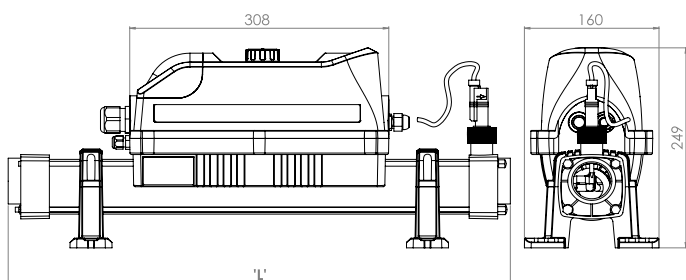
A fully titanium heater by Elecro, Evolution 2 is the upgraded version of the Evolution. It provides efficiency, safety and above all reliability to effortlessly heat your pool or spa to the desired temperature.



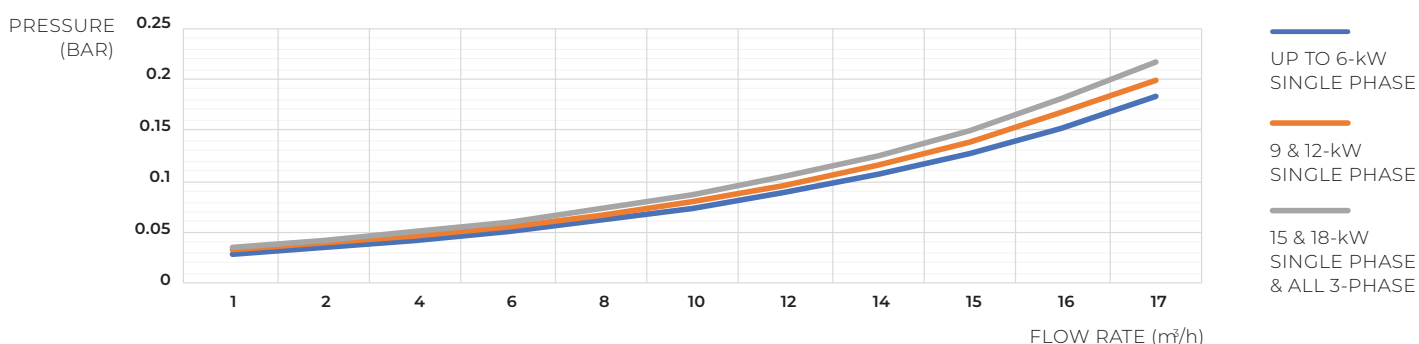
FEATURES

- Ten power options ranging from 1-kW to 24-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential or digital control with 0.5°C differential and selectable multi-lingual display
- Titanium flow tube and titanium heating element
- 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



SPECIFICATIONS

POWER SUPPLY	Single phase or three phase
FLOW REQUIREMENTS	Minimum flow: 1-kW to 6-kW, 1m³/h Minimum flow: 9-kW to 24-kW, 4m³/h Maximum flow: 17m³/h
HEATING ELEMENTS	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	Siemens 3RT2023 or 3RT2027
SEALS	High temperature special formula EPDM ferrules, TPE end fitting gaskets
WATER CONNECTIONS	1.5" BSP female thread supplied with 1½" / 50mm stepped PVC unions for rigid pipe and 1½" / 1¼" stepped hose tails for flexible pipe
INTERNATIONAL PROTECTION MARKING	IP44
FREQUENCY	50/60 Hz
WORKING PRESSURE	4 bar maximum
MOUNTING	Floor or wall mounting

MODELS

220-240V 1-PHASE	LOAD	PRODUCT CODES		DIMENSION 'L'	NET WEIGHT	GROSS WEIGHT	VOLUME
Power Output	Amp	Analogue	Digital	mm	kg	kg	m³
1-kW	4.5	E2-1-1	E2D-1-1	462	3.93	5.53	0.057
2-kW	8.5	E2-1-2	E2D-1-2	462	3.93	5.53	0.057
3-kW	13	E2-1-3	E2D-1-3	462	3.93	5.53	0.057
4.5-kW	20	E2-1-4	E2D-1-4	462	3.93	5.53	0.057
6-kW	26	E2-1-6	E2D-1-6	462	3.93	5.53	0.057
9-kW	40	E2-1-9	E2D-1-9	462	4.23	5.83	0.057
12-kW	53	E2-1-12	E2D-1-12	462	4.23	5.83	0.057
15-kW	66	E2-1-15	E2D-1-15	462	4.55	6.15	0.057
18-kW	79	E2-1-18	E2D-1-18	462	4.55	6.15	0.057

VERSATILE 230-400V*							
6-kW	26/8.5	E2-V-6	E2D-V-6	592	4.77	6.37	0.057
9-kW	40/13	E2-V-9	E2D-V-9	592	4.77	6.37	0.057
12-kW	53/18	E2-V-12	E2D-V-12	592	4.77	6.37	0.057

400V 3-PHASE *							
15-kW	22	E2-3-15	E2D-3-15	592	4.55	6.15	0.057
18-kW	26	E2-3-18	E2D-3-18	592	4.55	6.15	0.057
24-kW	34	E2-3-24	E2D-3-24	592	4.55	6.15	0.057

220-230V 3-PHASE *							
6-kW	15	E2-3-6-D	E2D-3-6-D	592	4.55	6.15	0.057
9-kW	23	E2-3-9-D	E2D-3-9-D	592	4.55	6.15	0.057
12-kW	30	E2-3-12-D	E2D-3-12-D	592	4.55	6.15	0.057
15-kW	38	E2-3-15-D	E2D-3-15-D	592	4.55	6.15	0.057
18-kW	46	E2-3-18-D	E2D-3-18-D	592	4.55	6.15	0.057

* For voltages other than 400V please add: -380 or -415 at the end of a product code e.g: E2-3-15-380
For any other voltages or custom builds, please contact our sales teamsales@elecro.co.uk

SFS JOEY ALL TITANIUM

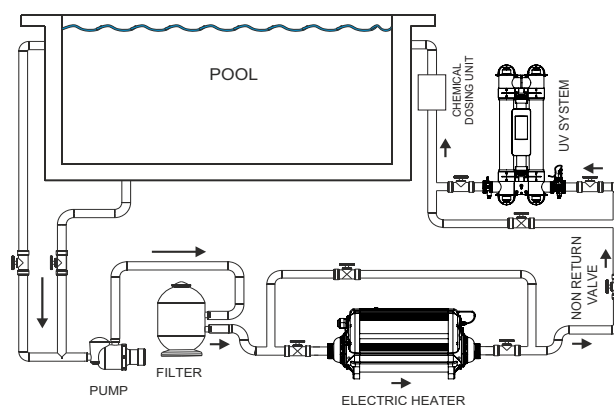
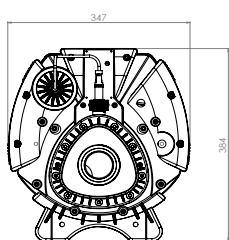
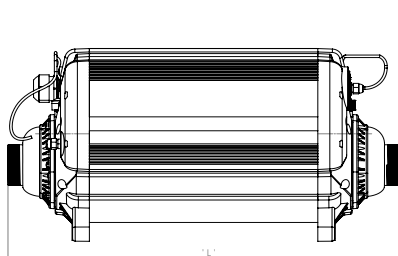
Reliable, accurate and efficient, SFS Joey fully titanium heater by Elecro is the ideal choice for a long lasting heater for any application where water contains high TDS, debris laden water and flow rate is reduced. Ideal for commercial pools.



FEATURES

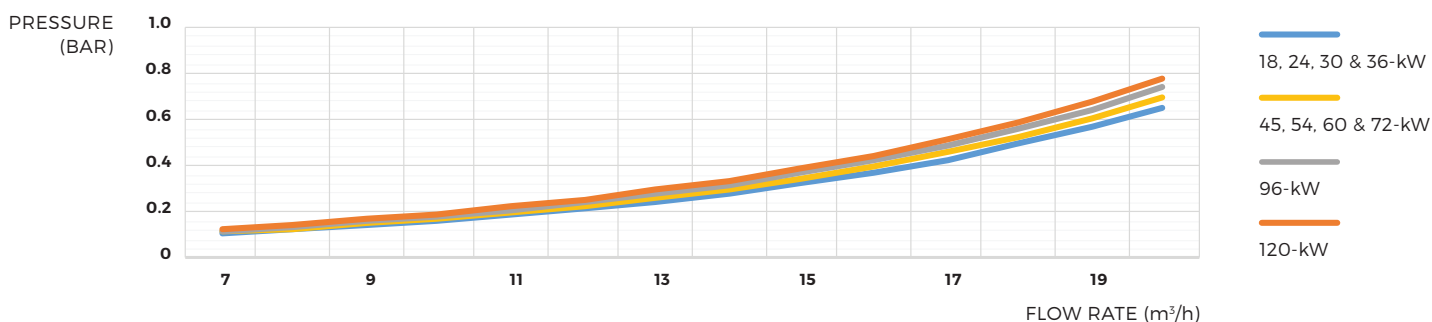
- Various power options ranging from 18-kW to 120-kW
- Easy installation, fully equipped and pre-wired
- Robust, durable construction
- Ultra-reliable flow switch allows safe operation
- Fitted with temperature thermostat and overheating sensor
- Compact, durable design
- Analogue control with 1.2°C differential or digital control with 0.5°C differential and selectable multi-lingual display
- Titanium flow tubes and titanium heating element(s)
- 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

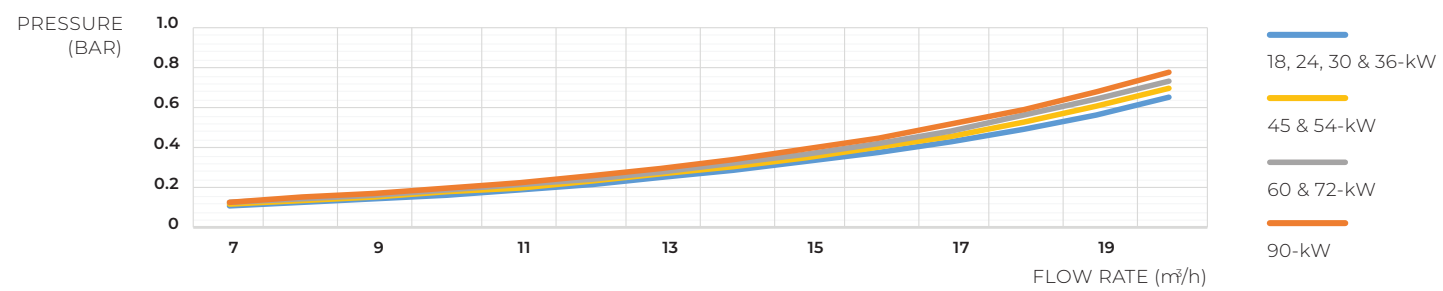


PRESSURE DROP

PRESSURE DROP 3-PHASE 380-415V



PRESSURE DROP 3-PHASE 220-240V



SPECIFICATIONS

POWER SUPPLY	Three phase
FLOW REQUIREMENTS	Minimum flow: 8m³/h Maximum flow: 15m³/h Recommended: 8m³/h
HEATING ELEMENT	Grade 1 titanium
FLOW TUBE	Grade 1 titanium
CONTROL THERMOSTAT	Analogue: 0 > 40°C (1.2°C differential) Digital: 0 > 40°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	Rhodium 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	Analogue	Digital	mm	kg	kg	m³
18-kW	26	SFS-18	SFSD-18	699	20.8	24.4	0.188
24-kW	35	SFS-24	SFSD-24	699	20.8	24.4	0.188
30-kW	44	SFS-30	SFSD-30	699	20.8	24.4	0.188
36-kW	53	SFS-36	SFSD-36	699	20.8	24.4	0.188
45-kW	66	SFS-45	SFSD-45	699	23.2	26.8	0.188
54-kW	79	SFS-54	SFSD-54	699	23.2	26.8	0.188
60-kW	87	SFS-60	SFSD-60	699	23.8	27.4	0.188
72-kW	105	SFS-72	SFSD-72	699	23.8	27.4	0.188
96-kW	139	SFS-96	SFSD-96	1042	32.8	36.4	0.269
120-kW	174	SFS-120	SFSD-120	1042	34.1	38.4	0.269

220-240V 3-PHASE							
18-kW	46	SFS-18-D	SFSD-18-D	699	21.0	24.6	0.188
24-kW	61	SFS-24-D	SFSD-24-D	699	21.0	24.6	0.188
30-kW	76	SFS-30-D	SFSD-30-D	699	21.0	24.6	0.188
36-kW	91	SFS-36-D	SFSD-36-D	699	21.0	24.6	0.188
45-kW	114	SFS-45-D	SFSD-45-D	699	23.8	27.4	0.188
54-kW	136	SFS-54-D	SFSD-54-D	699	23.8	27.4	0.188
60-kW	151	SFS-60-D	SFSD-60-D	1042	32.1	36.4	0.269
72-kW	181	SFS-72-D	SFSD-72-D	1042	32.1	36.4	0.269
90-kW	227	SFS-90-D	SFSD-90-D	1042	34.1	38.4	0.269

* for voltages other than 400V please add: -380 or -415 at the end of a product code e.g.: SFS-36-380
For any other voltages or custom builds, please contact our sales teamsales@elecro.co.uk