



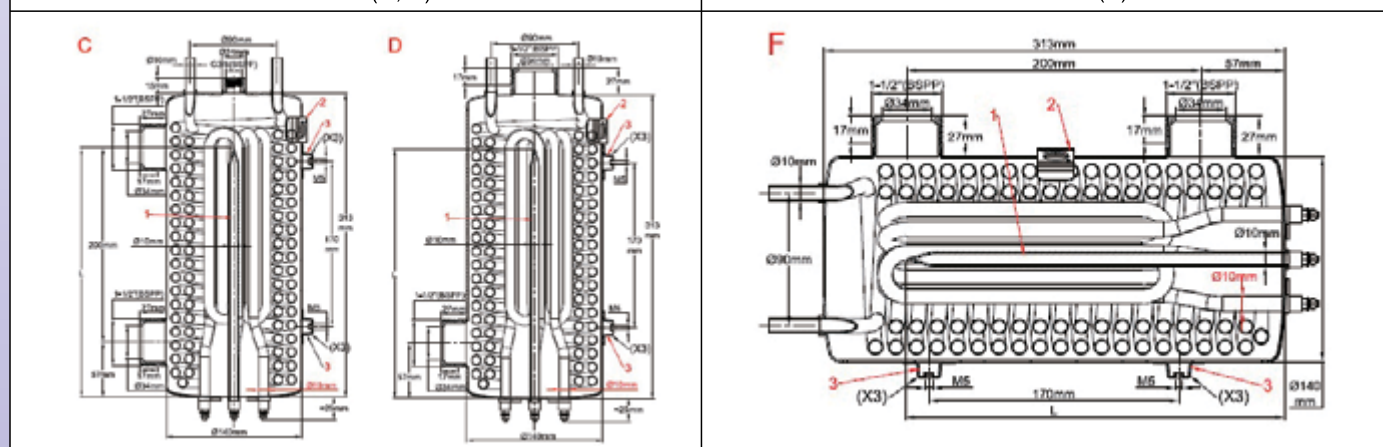
140 mm diameter, length 313mm, hairpin tubular heaters, 1"1/2 fittings, With built-in tubular heat exchanger

Diameter (mm)	Tank length (mm)	Mounting	Tubular heater Qty	Maximum power	Type
140	313	Vertical Horizontal	3	4,5kw (3 x 1,5 kW, 5W/cm ²) 9 kw (3 x 3 kW, 10W/cm ²)	9SU831



Vertical (C, D)

Horizontal (F)



Diameter of the heater: 10mm

Tubular heater material: 316L (Incolloy 800 optional)

Quantity of tubular heaters: 3

Body material: 304L stainless steel (316L optional)

Material fittings: 304L stainless steel (316L optional)

Inlet connection: Male 1"1/2 BSPP cylindrical (1"1/4 optional)

Outlet diameter: Male 1"1/2 BSPP cylindrical (1"1/4 optional)

Air vent thread: 3/8 BSPP (on models where it exists)

Tubular heat exchanger: dia. 10 x 8.6mm 316L stainless steel tube, heat exchange surface 4000 cm²

Thermowell (1): 304L stainless steel dia. 10x8.5 mm, length 260 mm for thermal cut-out (See thermal cut-out sub assembly models at the end of this catalog). Copper thermowell is available on request. This thermowell can also be used for a thermostat bulb or a temperature sensor.

Disc thermostat mounting bracket (2): 1 bracket for thermostat with extended cup (see thermostat models at the end of this catalog).

Wall mounting brackets (3): 3 x 2 M5 feet, 170mm center line distance, for wall mounting on 3 different sides. M5 brackets that are not used for wall mounting can be used for grounding.

Accessories: see end of this catalog

Standard products, 304L stainless steel tanks, hairpin 316L sheathed heaters, SUS 316L tubular heat exchanger, 1"1/2 fittings

References	Style	Surface load (W/cm ²)	Heating element dia.	Qty of heating elements	Voltage (V)	Power (kW)
9SU831C690Y22E00	C	10	10	3	230-400	3 x 3
9SU831C645Y22E00	C	5	10	3	230-400	3 x 1.5
9SU831D690Y22000	D	10	10	3	230-400	3 x 3
9SU831D645Y22000	D	5	10	3	230-400	3 x 1.5
9SU831F690Y22000	F	10	10	3	230-400	3 x 3
9SU831F645Y22000	F	5	10	3	230-400	3 x 1.5

Power values are the maximum possible values for a given surface load. It is possible to reduce the power by reducing the surface load.

Examples of insulations and wirings

