

Screw-in Heaters



Screw-in heater with oval heating elements.

heatsystems screw-in heaters are designed for direct heating of different liquid and gaseous media.

heatsystems screw-in heaters are installed preferably to heat up:

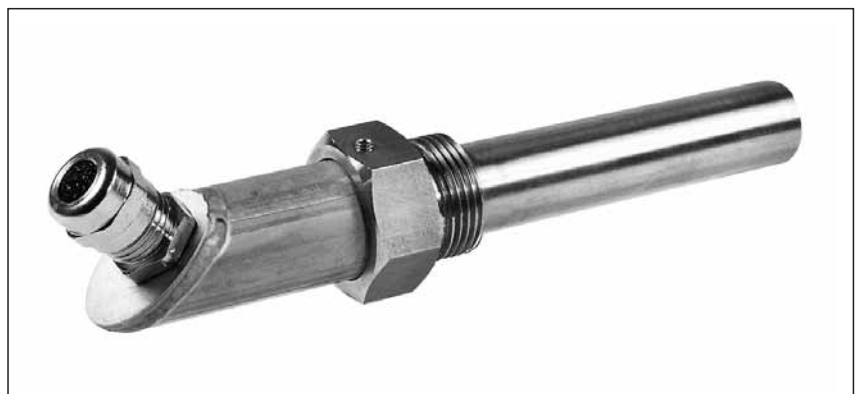
- drinking water
- cleaning baths
- oil
- in flow heaters
- as air heaters

Size 1 1/2" is used for the stores program for **heatsystems** screw-in heaters.

Other dimensions such as 3/8", 1/2", 3/4", 1", 1 1/4", 2", 2 1/2" and metric sizes are also available.

Round rod-shaped cartridge heaters, rod-shaped oval heaters as well as round U-shaped tubular heaters can be used.

We will find the optimum heating element for your application.



Screw-in heater with cartridge heating element.

Usual materials for heatsystems screw-in heaters

Screw connection

Brass, soldered
Stainless steel, soldered or welded

Heating surface

Stainless steel AISI 304L (1.4307)
Stainless steel AISI 316Ti (1.4571)
Stainless steel AISI 309 (1.4828)
Stainless steel AISI 316L (1.4404/1.4435)
Stainless steel AISI 904L (1.4539)

Screw-in Heaters for Non-aggressive Circuit Water



Usual materials for heatsystems screw-in heaters 1 1/2"

Screw connection:

Brass
Stainless steel

Tubular heater:

Stainless steel AISI 316Ti (1.4571)
Stainless steel AISI 309 (1.4828)
Stainless steel AISI 316L (1.4404/1.4435)
Stainless steel Incolloy 800 (1.4876)
Stainless steel Incolloy 825 (2.4858)

The following versions are available from stores stock (screw connection 1 1/2"):

Capacity	Voltage	Immersion length
2,0 kW	230/400 Volt	200 mm
3,0 kW	230/400 Volt	250 mm
4,5 kW	230/400 Volt	350 mm
6,0 kW	230/400 Volt	450 mm
7,5 kW	230/400 Volt	550 mm
9,0 kW	230/400 Volt	650 mm
12,0 kW	230/400 Volt	800 mm

without regulator or limiter

The versions with capacities between 3 kW and 9 kW are also available with built-in temperature controller, setting range 30 to 85 °C, switching difference +/- 6K and temperature limiter, fixed to switch-off temperature 110 °C -8K. Regulators and limiters are wired for direct switching, separate switching contactor is not required.

Temperature controller and temperature limiters built-in or externally by separate sensors, also as resistance sensor or thermocouple

- Temperature controller and temperature limiters for different operating temperature available
- Immersion length from 150 to 2,500 mm
- Unheated length at connection on customer request
- Immersion length, capacity and voltage on customer request
- Cooling distance between screw-in thread and connection housing for higher temperatures
- Electrical types of protection IP00 to IP68

Screw-in Heaters



Screw-in heater with explosion-proof connection housing. Capacity 3 kW. Built-in temperature limiter, wired for direct switching. Temperature class T3.



Screw-in cartridge heater. Capacity 500 Watt, thread 1/2", silicone cable 1,000 mm.



Screw-in cartridge heater. Capacity 2.2 kW, thread 1", cable screw connection axial.



Screw-in cartridge heater, thread 3/8", connection housing made of stainless steel.



Frost protection heater with built-in thermostat, screw-in thread 1/2".



Screw-in heater for medical baths. Heater made of stainless steel Incolloy 825 (2.4858), welded into screw connection made of stainless steel AISI 316L (1.4404/1.4435).