
Finned Tube Air Heaters

Type WD/GG (RVS)

Our WD-H finned-tube heaters are designed for industrial use in drying rooms, engine rooms, pumping houses, elevator shafts, as protection from frost, etc. The heater does not require further protection.



SINUS
JEVI 



Liquids



Gasses



Solids



Spaces



Resistors

Our WD-H finned-tube heaters are designed for industrial application.

Because of their high level of reliability, they are especially suitable for all heating applications at an ambient temperature of up to 60°C. Due to the fact that their construction is in accordance with IP65, they are also suitable for damp areas. The heaters must be installed by skilled personnel. Because of the high surface temperature, they are not suitable for rooms containing inflammable materials and in areas with a possible risk of explosion.

The heater is composed of ceramic centre formers, in which a glow spiral is encased, in a 1- or 3-phase construction. The connection is robust and can sustain high temperatures.

It is possible to insert a second cable gland into the connection box, this will allow for the connection with a room thermostat. A room thermostat (IP30; 0-30°C) may also be placed on the lid of the connection box (in a dry environment).

CONSTRUCTION

The finned-tube air heaters consist of a 42-mm-diameter round steel tube, with rolled-in steel fins. The rolling-in process ensures the best possible heat transfer by the fins to the environment.

The finned-tube heaters are spray-proof as per IP65. The appliance meets the CE directives. Connection is by means of a plastic cable gland (PG16) with pull relief.

Finish: Grey epoxy-coating. The GG-H is identical to the WD-H, but with a galvanised surface. The 'Z' addition indicates sand-filled (shock-proof)

APPLICATION

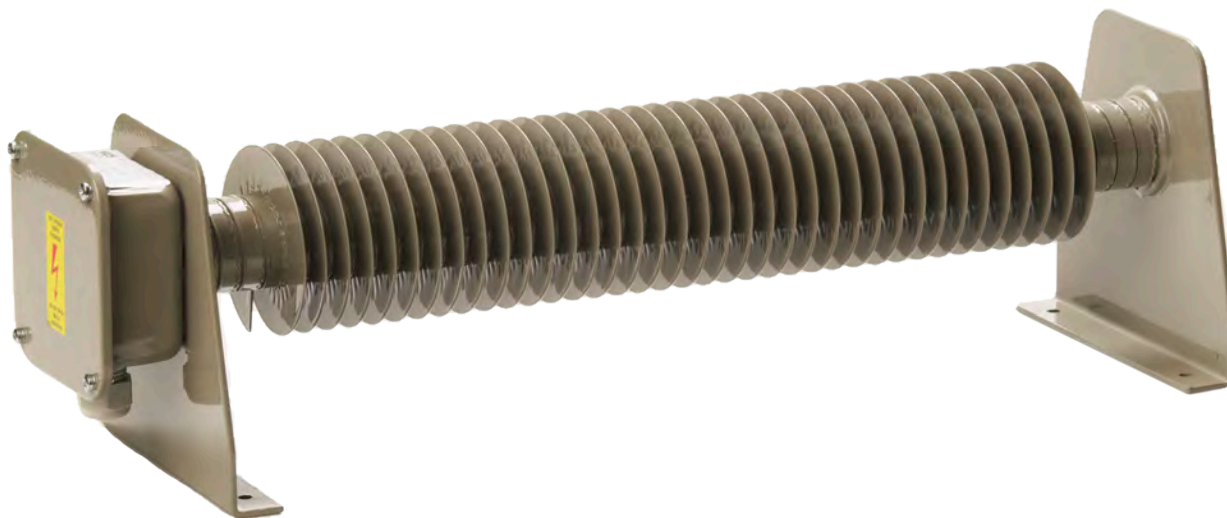
For industrial use in drying rooms, engine rooms, pumping houses, elevator shafts, as protection from frost, etc.

As a high-level heater in heating coves, waiting rooms, workshops, service areas, etc. [out of hand's reach, EN 60335-2-30 (e.g. h=1.8 m)].

STANDARD VOLTAGES

230 Volt AC 1-phase. Different voltages and outputs can be delivered upon request.

We can also deliver explosion-proof finned tube heaters.



In accordance with the following EU directives:

Low-voltage directive

EMC directive

A CE statement is supplied with the delivery.

Our WD-L finned-tube air heaters are designed for application in the home, the office or in industry. Because of the overheating protection and the low surface temperature, they are especially suitable for all heating applications at an ambient temperature of up to 30°C.

Due to the fact that the construction is in accordance with IP65, they are also suitable for damp places.

Because of the low surface temperature, they are also suitable for damp places.

Because of the low surface temperature, they are safe to use in places of easy access. The heaters are composed of an enclosed stainless steel tubular element, in which a glow-spiral is encased in a 1-phase construction. The connection is simple. It is possible to insert a second cable gland into the connection box. This will allow for the connection of an external room thermostat.

A room thermostat (IP 30: 0-30°C) may also be placed on the lid of the box (in a dry environment).

CONSTRUCTION

The finned-tube air heaters consist of a 42-mm-diameter steel tube, with rolled-in steel fins. The rolling-in process ensures the best

possible heat transfer by the fins to the environment.

The finned-tube air heaters are spray-proof as per IP65. The appliance meets with the CE directives. Connection is by means of a plastic cable gland (PG16) with pull relief.

Finish: Grey epoxy-coating. The GG-L is identical to the WD-L, but with a galvanised surface.

APPLICATION

For industrial use in drying rooms, engine rooms, pumping houses, elevator shafts, as protection from frost, etc.

As a low-level heater for all applications, such as waiting rooms, workshops, warehouses, coach-building works, etc.

(EN 60335-2-30). The WD-L does not require further protection.

STANDARD VOLTAGES

230 Volt AC 1-phase. Different voltages and outputs can be delivered upon request.

We can also deliver explosion-proof finned tube heaters.



In accordance with the following EU directives:

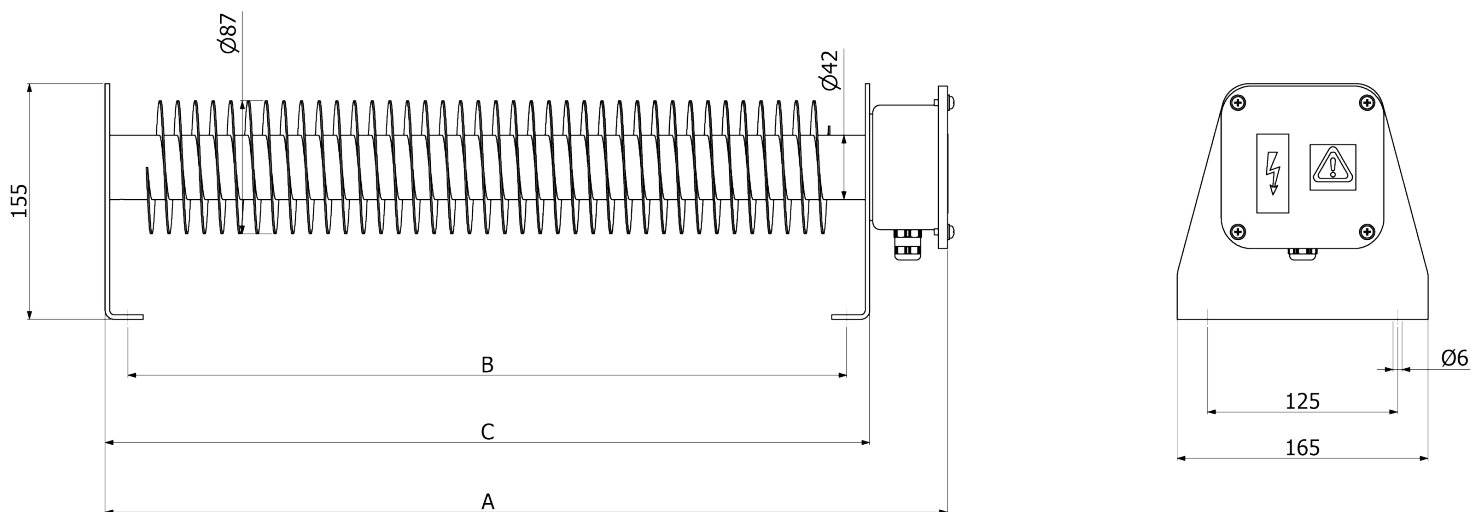
Low-voltage directive

EMC directive

A CE statement is supplied with the delivery.

| Type | Power | Voltage | Length (A) | Mounting (B) | Support-support (C) | Weight | Article number |
|---------------------|-----------|----------|------------|--------------|---------------------|---------|----------------|
| WD-H 250 | 250 Watt | 230 Volt | 305 mm | 223 mm | 255 mm | 2.8 kg | A020 310 250 |
| WD-H 500 | 500 Watt | 230 Volt | 555 mm | 473 mm | 500 mm | 4.6 kg | A020 310 500 |
| WD-H 1000 | 1000 Watt | 230 Volt | 1055 mm | 973 mm | 1000 mm | 7.8 kg | A020 311 000 |
| WD-H 1500 | 1500 Watt | 230 Volt | 1555 mm | 1473 mm | 1500 mm | 11.4 kg | A020 311 500 |
| WD-H 2000 | 2000 Watt | 230 Volt | 2055 mm | 1973 mm | 2000 mm | 14.6 kg | A020 312 000 |
| GG-H 250 | 250 Watt | 230 Volt | 305 mm | 223 mm | 255 mm | 2.8 kg | A020 510 250 |
| GG-H 500 | 500 Watt | 230 Volt | 555 mm | 473 mm | 500 mm | 4.6 kg | A020 510 500 |
| GG-H 1000 | 1000 Watt | 230 Volt | 1055 mm | 973 mm | 1000 mm | 7.8 kg | A020 511 000 |
| GG-H 1500 | 1500 Watt | 230 Volt | 1555 mm | 1473 mm | 1500 mm | 11.4 kg | A020 511 500 |
| GG-H 2000 | 2000 Watt | 230 Volt | 2055 mm | 1973 mm | 2000 mm | 14.6 kg | A020 512 000 |
| WD-L 500 | 300 Watt | 230 Volt | 555 mm | 473 mm | 500 mm | 4.6 kg | A020 310 300 |
| WD-L 1000 | 600 Watt | 230 Volt | 1055 mm | 973 mm | 1000 mm | 7.8 kg | A020 310 600 |
| WD-L 1500 | 900 Watt | 230 Volt | 1555 mm | 1473 mm | 1973 mm | 11.4 kg | A020 310 900 |
| WD-L 2000 | 1250 Watt | 230 Volt | 2055 mm | 1973 mm | 2000 mm | 14.6 kg | A020 311 250 |
| GG-L 500 | 300 Watt | 230 Volt | 555 mm | 473 mm | 500 mm | 4.6 kg | A020 510 300 |
| GG-L 1000 | 600 Watt | 230 Volt | 1055 mm | 973 mm | 1000 mm | 7.8 kg | A020 510 600 |
| GG-L 1500 | 900 Watt | 230 Volt | 1555 mm | 1473 mm | 1500 mm | 11.4 kg | A020 510 900 |
| GG-L 2000 | 1250 Watt | 230 Volt | 2055 mm | 1973 mm | 2000 mm | 14.6 kg | A020 511 250 |
| WD-Z 250 | 250 Watt | 230 Volt | 305 mm | 223 mm | 255 mm | 3.2 kg | A020 410 250 |
| WD-Z 500 | 500 Watt | 230 Volt | 555 mm | 473 mm | 500 mm | 5.2 kg | A020 410 500 |
| WD-Z 1000 | 1000 Watt | 230 Volt | 1055 mm | 973 mm | 1000 mm | 9.4 kg | A020 411 000 |
| WD-Z 1500 | 1500 Watt | 230 Volt | 1555 mm | 1473 mm | 1500 mm | 13.0 kg | A020 411 500 |
| WD-Z 2000 | 2000 Watt | 230 Volt | 2055 mm | 1973 mm | 2000 mm | 17.0 kg | A020 412 000 |
| GG-Z 250 | 250 Watt | 230 Volt | 305 mm | 223 mm | 255 mm | 3.2 kg | A020 610 250 |
| GG-Z 500 | 500 Watt | 230 Volt | 555 mm | 473 mm | 500 mm | 5.2 kg | A020 610 500 |
| GG-Z 1000 | 1000 Watt | 230 Volt | 1055 mm | 973 mm | 1000 mm | 9.4 kg | A020 611 000 |
| GG-Z 1500 | 1500 Watt | 230 Volt | 1555 mm | 1473 mm | 1500 mm | 13.0 kg | A020 611 500 |
| GG-Z 2000 | 2000 Watt | 230 Volt | 2055 mm | 1973 mm | 2000 mm | 17.0 kg | A020 612 000 |
| Built-up thermostat | | | | | | | A020 200 001 |

The types above are also available with different power and voltage.



Stainless steel finned tube heaters are designed for industrial application. The heaters are suitable for use in corrosive areas such as: filling stations, water purification installations or storage areas.

The fin material is made of stainless steel (AISI 409). Proofing IP66/IP67.

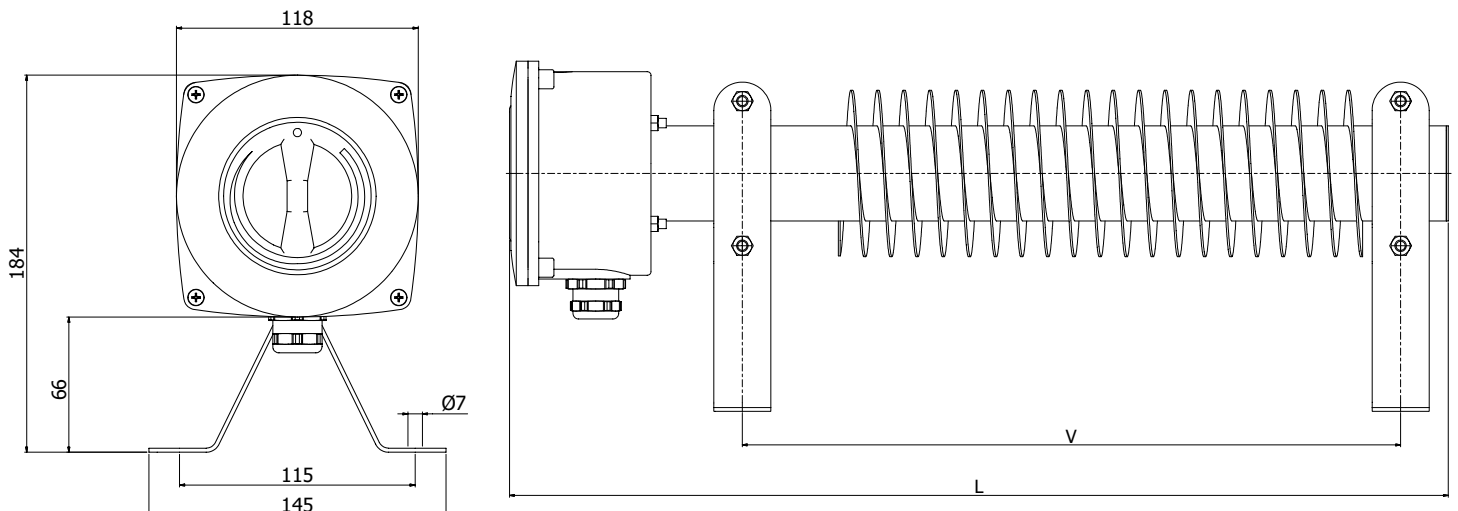
Type TR is supplied with built-up thermostat, adjustable between +5°C to +30°C. Type ST is supplied with built-up step-controller: 1/3, 1/2 and full power.



WD-H RVS TR (incl. thermostat)



WD-H RVS (excl. thermostat)



| Type | Power | Voltage | Length (L) | Support-support (V) | Article number |
|------------------|-----------|-----------|------------|---------------------|----------------|
| WD-H RVS 250 | 250 Watt | 230 Volt | 350 mm | 230 mm | A021 310 250 |
| WD-H RVS 500 | 500 Watt | 230 Volt | 500 mm | 365 mm | A021 310 500 |
| WD-H RVS 1000 | 1000 Watt | 230 Volt* | 700 mm | 565 mm | A021 311 000 |
| WD-H RVS 1500 | 1500 Watt | 230 Volt* | 900 mm | 765 mm | A021 311 500 |
| WD-H RVS 2000 | 2000 Watt | 230 Volt* | 1100 mm | 965 mm | A021 312 000 |
| WD-H RVS 3000 | 3000 Watt | 230 Volt* | 1500 mm | 1365 mm | A021 313 000 |
| WD-H RVS TR 250 | 250 Watt | 230 Volt | 350 mm | 230 mm | A021 310 250T |
| WD-H RVS TR 500 | 500 Watt | 230 Volt | 500 mm | 365 mm | A021 310 500T |
| WD-H RVS TR 1000 | 1000 Watt | 230 Volt | 700 mm | 565 mm | A021 311 000T |
| WD-H RVS TR 1500 | 1500 Watt | 230 Volt | 900 mm | 765 mm | A021 311 500T |
| WD-H RVS TR 2000 | 2000 Watt | 230 Volt | 1100 mm | 965 mm | A021 312 000T |
| WD-H RVS TR 3000 | 3000 Watt | 230 Volt | 1500 mm | 1365 mm | A021 313 000T |
| WD-H RVS ST 1000 | 1000 Watt | 230 Volt | 700 mm | 565 mm | A021 311 001 |
| WD-H RVS ST 1500 | 1500 Watt | 230 Volt | 900 mm | 765 mm | A021 315 001 |
| WD-H RVS ST 2000 | 2000 Watt | 230 Volt | 1100 mm | 965 mm | A021 312 001 |
| WD-H RVS ST 3000 | 3000 Watt | 230 Volt | 1500 mm | 1365 mm | A021 313 001 |
| WD-L RVS 400 | 400 Watt | 230 Volt | 1100 mm | 965 mm | A021 310 402 |
| WD-L RVS 600 | 600 Watt | 230 Volt | 1500 mm | 1365 mm | A021 310 602 |
| WD-L RVS 800 | 800 Watt | 230 Volt | 1900 mm | 1765 mm | A021 310 802 |
| WD-L RVS 1000 | 1000 Watt | 230 Volt | 2300 mm | 2165 mm | A021 311 002 |
| WD-L RVS 1200 | 1200 Watt | 230 Volt | 2700 mm | 2565 mm | A021 311 202 |
| WD-L RVS TR 400 | 400 Watt | 230 Volt | 1100 mm | 965 mm | A021 310 402T |
| WD-L RVS TR 600 | 600 Watt | 230 Volt | 1500 mm | 1365 mm | A021 310 602T |
| WD-L RVS TR 800 | 800 Watt | 230 Volt | 1900 mm | 1765 mm | A021 310 802T |
| WD-L RVS TR 1000 | 1000 Watt | 230 Volt | 2300 mm | 2165 mm | A021 311 002T |
| WD-L RVS TR 1200 | 1200 Watt | 230 Volt | 2700 mm | 2565 mm | A021 311 202T |

* Also available in 400 Volts

Options for finned tube heaters type WD-H RVS

| Protection grid of aluminium perforated plate | | |
|---|---------------------|----------------|
| Type | Suitable for: | Article number |
| BS 500 | WD-H RVS TR/ST 500 | A021 000 500 |
| BS 1000 | WD-H RVS TR/ST 1000 | A021 001 000 |
| BS 1500 | WD-H RVS TR/ST 1500 | A021 001 500 |
| BS 2000 | WD-H RVS TR/ST 2000 | A021 002 000 |
| BS 3000 | WD-H RVS TR/ST 3000 | A021 003 000 |

SINUS JEVI

Sinus is one of the pioneers in the field of explosion proof heating equipment, today we are still operating at the forefront. We manufacture according to ATEX as well as IECEx and EAC directives.

For the production of Ex-proof equipment a PQAN (Product Quality Assurance Notification) is issued by TUV-Nord. Our ISO-9001 and ISO-14001 systems are also monitored by this organisation.

NIBE