Sinus Jevi

Thermodyp Bath Heaters

Bath heaters of the Thermodyp range is a complete electric program for heating of tubs and tanks within the galvanic industry, deacidification and degrease systems and for tanks in fish farms.
Thermodyp bath heaters are available with sheath of different materials e.g. porcelain, titanium, PTFE coated steel, stainless steel and quartzglass.

Liquids Gasses Solids Spaces Resistors

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The heating element is made as an exchangeable ceramic insert with wires of nickel/chrom or CR/AL. Below is a list of standard items - other lengths, cold zones, voltage and wattages can be supplied. The PVC cap with cable entry is IP55 and the standard cable length is 2 meter of 3 x 1.5 mm² or 4 x 1.5 mm². The cap must not be exposed to operating temperature over 70°C.

MATERIAL

To achieve the longest lifetime and best service of the bath heater. It is important to choose the best sheath material based on the chemicals to be used in the tubs. If it is possible to state the type of chemicals and additives, our technical department can assist in choosing the correct sheath material. However, chemical reactions and other conditions in the tubs can vary and thus create unforeseen factors which may influence the lifetime of the bath heater. Very aggressive mediums may require PTFE coating to provide a long life and proper service function.
Thermodyp bath heaters mounted with 2 m connection cables, IP55. Cold zone is standard 150 mm. Different lengths and cold zones are available.

Glass Ø44 mm

Article number	Length	Voltage	Output
A140 810 206	600 mm	230 Volt	1000 Watt
A140 815 206	600 mm	230 Volt	1500 Watt
A140 815 406	600 mm	400 Volt	1500 Watt
A140 815 208	800 mm	230 Volt	1500 Watt
A140 825 208	800 mm	230 Volt	2500 Watt
A140 825 408	800 mm	400 Volt	2500 Watt
A140 825 308	800 mm	3 x 400 Volt	2500 Watt
A140 832 410	1000 mm	400 Volt	3250 Watt
A140 832 310	1000 mm	3 x 400 Volt	3250 Watt

Steel Ø42 mm

Article number	Length	Voltage	Output
A140 510 206	600 mm	230 Volt	1000 Watt
A140 515 206	600 mm	230 Volt	1500 Watt
A140 515 406	600 mm	400 Volt	1500 Watt
A140 515 208	800 mm	230 Volt	1500 Watt
A140 525 208	800 mm	230 Volt	2500 Watt
A140 525 408	800 mm	400 Volt	2500 Watt
A140 525 308	800 mm	3 x 400	2500 Watt
A140 532 410	1000 mm	400 Volt	3250 Watt
A140 532 310	1000 mm	3 x 400	3250 Watt
A140 540 412	1200 mm	400 Volt	4000 Watt
A140 540 312	1200 mm	3 x 400	4000 Watt

Porcelain Ø45 mm

Article number	Length	Voltage	Output
A140 910 206	600 mm	230 Volt	1000 Watt
A140 915 206	600 mm	230 Volt	1500 Watt
A140 915 406	600 mm	400 Volt	1500 Watt
A140 915 208	800 mm	230 Volt	1500 Watt
A140 925 208	800 mm	230 Volt	2500 Watt
A140 925 408	800 mm	400 Volt	2500 Watt
A140 925 308	800 mm	3 x 400 Volt	2500 Watt
A140 932 410	1000 mm	400 Volt	3250 Watt
A140 932 310	1000 mm	3 x 400 Volt	3250 Watt
A140 940 412	1200 mm	400 Volt	4000 Watt
A140 940 312	1200 mm	3 x 400 Volt	4000 Watt

Stainless AISI 316 Ø42,5 mm

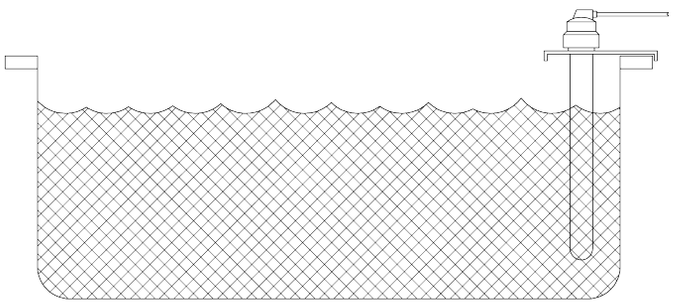
Article number	Length	Voltage	Output
A140 710 206	600 mm	230 Volt	1000 Watt
A140 715 206	600 mm	230 Volt	1500 Watt
A140 715 406	600 mm	400 Volt	1500 Watt
A140 715 208	800 mm	230 Volt	1500 Watt
A140 725 208	800 mm	230 Volt	2500 Watt
A140 725 408	800 mm	400 Volt	2500 Watt
A140 725 308	800 mm	3 x 400 Volt	2500 Watt
A140 732 410	1000 mm	400 Volt	3250 Watt
A140 732 310	1000 mm	3 x 400 Volt	3250 Watt
A140 740 412	1200 mm	400 Volt	4000 Watt
A140 740 312	1200 mm	3 x 400 Volt	4000 Watt

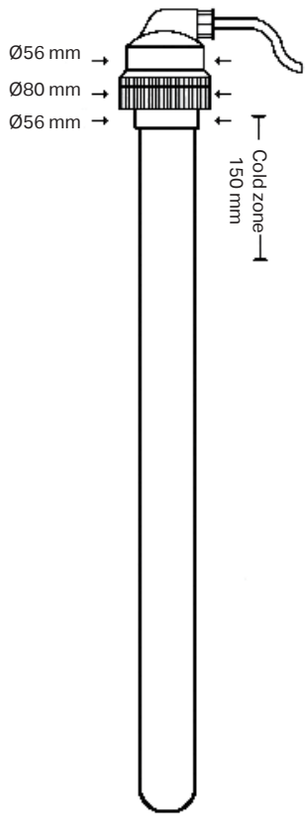
Titanium Ø40 mm

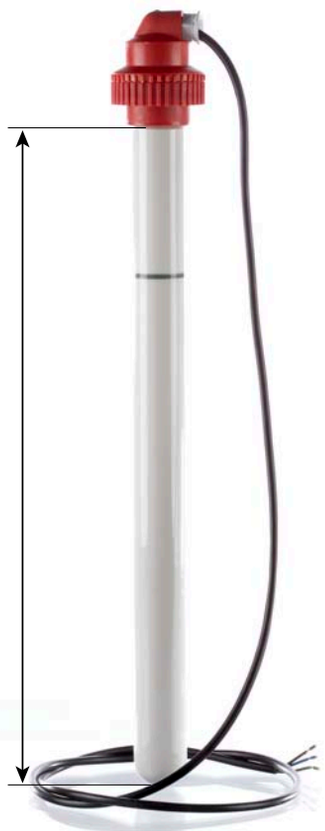
Article number	Length	Voltage	Output
A140 610 206	600 mm	230 Volt	1000 Watt
A140 615 206	600 mm	230 Volt	1500 Watt
A140 615 406	600 mm	400 Volt	1500 Watt
A140 615 208	800 mm	230 Volt	1500 Watt
A140 625 208	800 mm	230 Volt	2500 Watt
A140 625 408	800 mm	400 Volt	2500 Watt
A140 625 308	800 mm	3 x 400	2500 Watt
A140 632 410	1000 mm	400 Volt	3250 Watt
A140 632 310	1000 mm	3 x 400	3250 Watt
A140 640 412	1200 mm	400 Volt	4000 Watt
A140 640 312	1200 mm	3 x 400	4000 Watt

INSTALLATION

The bath heater must be installed so that the heated zone is always covered by liquid. The heated zone is marked on the heater. Please make sure that the cap remains free from and above the liquid. If the tub is covered by a lid it is necessary to cut a hole for the bath heater so that any accumulated heat can be given off. The cap must not be exposed to more than 70°C. For further details please see the instructions enclosed with the product.

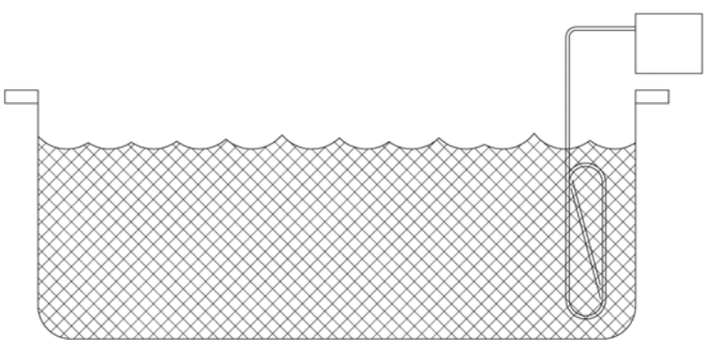


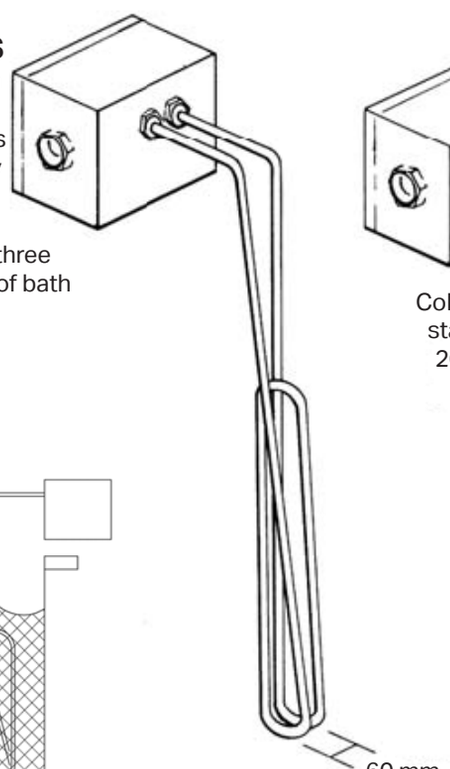


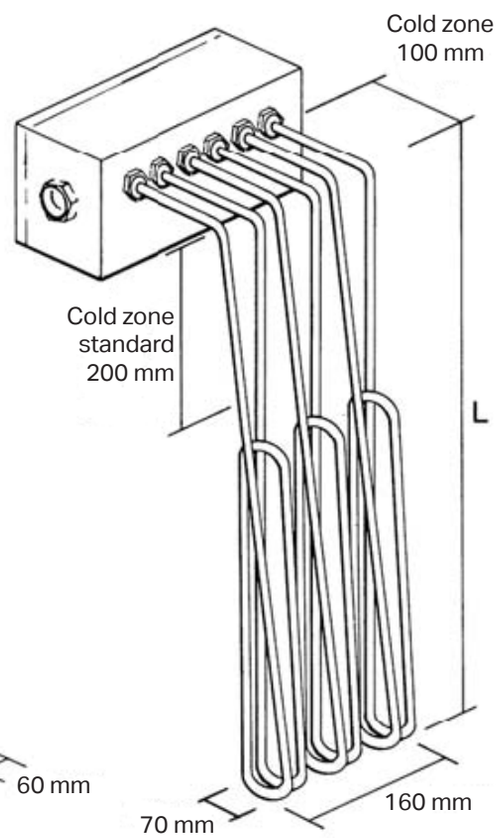


BATH HEATERS WITH TUBULAR ELEMENTS

This type is supplied with tubular elements in Ø 8.5 mm stainless steel or titanium and both materials are equipped with a PTFE protection hose over the tubulars for very agressive mediums. The shape and length vary according to the depth of tubs or tanks. This provides several possibilities for the user.
All 230 V heaters are with one tubular element and the three phase heaters with 3 or 6 tubulars elements. This type of bath heater has no standard voltage or wattage and will be supplied according customer specifications.
Connection box is made of polyester with 13.5 cable gland or premounted cable of any length.







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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

A140.1101E • 11-14

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