

SSEHK-SERIE



SCREW-IN HEATING ELEMENTS

to efficiently heat water with a power range of 2 to 12 kW

Robust VA industrial design
High insulation resistance/ VDE compliant
Extensive range of variants

48 H
SHIPMENT
of standard products

ELECTRIC SCREW-IN HEATING ELEMENTS IN THE SSEHK SERIES

To heat water reliably, cleanly and economically in flow pipes or containers, Siekerkotte has developed the SSEHK series – a standard that focusses on the realities of industrial environments. The power range from 2 to 12 kW covers the typical requirements found in this area, and it's available in two versions: without control technology or with an integrated, externally adjustable, mechanical temperature controller (30-110°C). The controller is combined with a temperature limiter (140°C), which serves as monitoring protection.

The industrial design is also reflected in the quality of the heater's heating rods, which are made of highly resistant stainless steel (1.4571 - AISI 316 Ti) and firmly soldered into a brass screw head G1 ½". In order to achieve a reasonable service life, monitoring or pre-treatment of the water quality is highly recommended in any case. As with all Siekerkotte electric heaters in this temperature range, the sealing technology developed by the company is also used here to

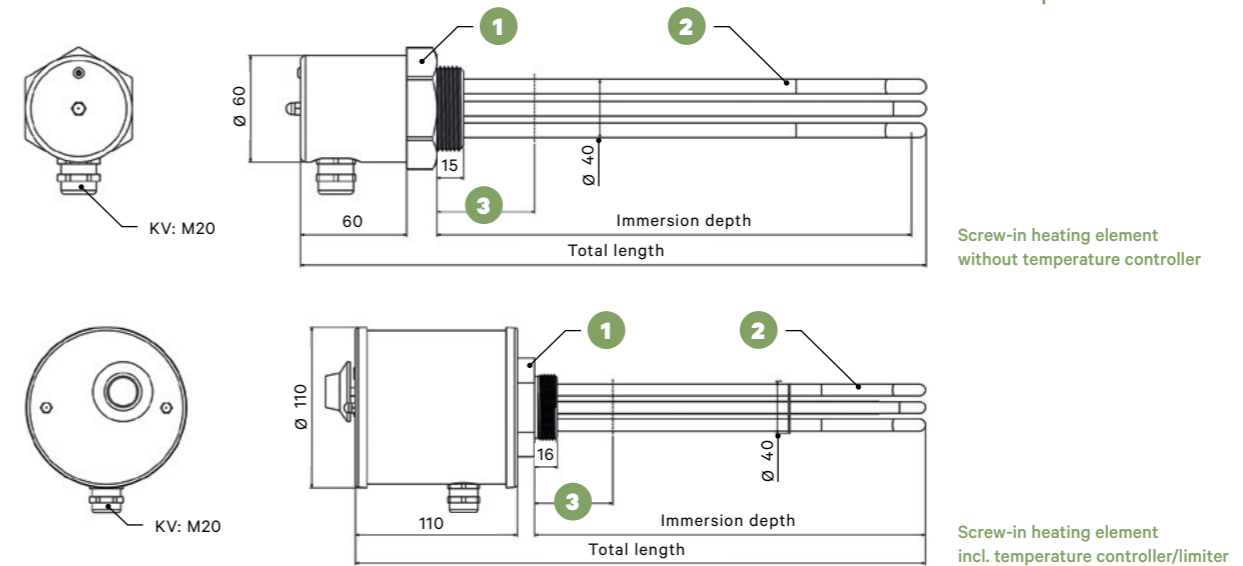
ensure the individual radiators are permanently insulation-proof. To facilitate installation, the cable routing can of course be individually radially aligned.

If a separate tank solution or flow pipe solution is not available, all screw-in heaters can be combined with the corresponding flow pipes as standard. These pipes – also made of VA and in accordance with DGRL 2014/68/EU, AD2000 with a diameter of 60.3 mm – each have G1" inlet and outlet sockets.

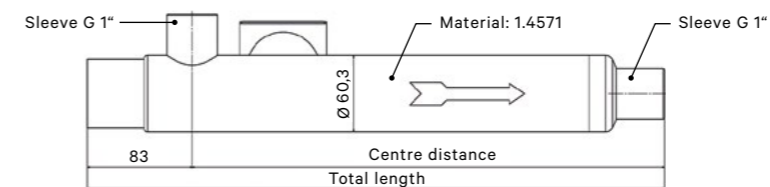
The SSEHK series from Siekerkotte is manufactured in Germany in accordance with DIN 44874 and VDE conformity and is always available from stock at short notice.

SSEHK SERIES – PRODUCT FEATURES

Medium	Water, water-glycol mixture (others: by arrangement)		
min./max. perm. temp. (°C)	+5°C/ +110°C	Heating element	Tubular heater RHK Ø 8.5 mm
Circuit	Star (Art.-No. 181006: Triangle)	Surface load (watt/cm)2	max. 8.92
Power tolerance (%)	+5/-10	Heating element material	2 1.4571 – AISI 316 Ti
Design pressure max. (bar)	10	Unheated length (mm)	3 55
Test pressure (bar)	14.3	Tolerance imm. depth (mm)	max. +5/-20
Mounting position	horizontal/vertical	Heating element closure	Araldite
Screw head diameter	1 G1 1/2"	Connection technology	soldered
Screw head material	brass	Cable gland	1 x M20/M25
Design and manufacture acc. to	DGRL 2014/68/EU, AD2000	Customs tariff no.	8516 1080



Article no.	Power kW	Immersion depth mm	Connection voltage V	Connection box mm	Weight approx. kg	Prices in €*				
						1-4 Stk.	5-9 Stk.	10-19 Stk.	ab 20 Stk.	
Screw-in heater without temperature controller										
181000	2,0	175	230/400	Alu □ 60 x 60 – IP54	0.70	87.75	82.60	77.45	72.30	
181001	3,0	275	230/400	Alu □ 60 x 60 – IP54	0.80	93.25	88.05	82.90	77.75	
181002	4,5	395	400	Alu □ 60 x 60 – IP54	0.95	99.00	93.50	88.05	82.55	
181003	6,0	500	400	Alu □ 60 x 60 – IP54	1.10	104.85	99.00	93.20	87.35	
181004	7,5	605	400	Alu □ 60 x 60 – IP54	1.25	109.65	103.55	97.40	91.35	
181005	9,0	710	400	Alu □ 60 x 60 – IP54	1.45	114.40	108.00	101.70	95.30	
181006	12,0	920	400	VA □ 70 x 70 – IP54	1.65	162.45	153.45	144.45	135.45	
Screw-in heating element incl. temperature controller/limiter 30-110°/ 140°C										
181007	3,0	275	230/400	VA □ 110 x 110 – IP54	1.85	234.90	222.85	208.80	195.80	
181008	4,5	395	400	VA □ 110 x 110 – IP54	2.00	241.25	227.80	214.45	201.05	
181009	6,0	500	400	VA □ 110 x 110 – IP54	2.15	246.00	232.40	218.65	205.00	
181010	7,5	605	400	VA □ 110 x 110 – IP54	2.30	252.80	238.80	224.80	210.70	
181011	9,0	710	400	VA □ 110 x 110 – IP54	2.50	258.20	243.85	229.45	215.10	



Article no.	Suitable for		Inlet/outlet thread	Centre-to-centre distance sleeves mm	Total length mm	Weight approx. kg	Prices in €*			
	SEHK without temp. control	SEHK with temp. control					1-4 pcs.	5-9 pcs.	10-19 pcs.	from 20 pcs.
Flow pipe (suitable for standard SEHK)										
181012	181000	-	G1"	255	310	1.40	240.70	213.65	208.10	199.50
181012	181001	181007	G1"	255	310	1.40	240.70	213.65	208.10	199.50
181013	181002	181008	G1"	375	455	1.80	260.30	239.10	227.00	218.50
181014	181003	181009	G1"	480	560	2.10	274.05	252.70	240.45	231.90
181015	181004	181010	G1"	585	665	2.40	290.65	269.10	256.60	248.00
181016	181005	181011	G1"	690	770	2.70	303.10	281.35	268.60	260.00
181017	181006	-	G1"	900	980	3.30	328.25	306.15	293.00	284.60

*All prices per piece plus VAT, unpacked, EXW Herford (Incoterms 2020)
Prices valid until 31.03.2024

BEYOND THE STANDARD

Add to our standard models to suit your individual needs

OPTIONS

Item no.	Product	Description	Prices per pc. in €
116609	Pipe insulation made of PU foam (ISOTUBE 040)	With PVC protective sheathing and end slats made of aluminium. Insulation thickness: 20 mm Weight: 0.3 kg/m Temperature application range: 0 - 110°C (EN 14707) Fire behaviour: Euro class E (EN 13501-1)	78.00
100415	Reducer G2" - G1 ½"	Material MS	17.40
101230	Lock nut G1 ½"	Material VA	7.55
100213	CU seal	Material CU, 48.0 x 55.0 x 2.0 mm	2.75
104006	Thread sealing thread Loctite 55	For practically all threaded connections, DIN 30660, DVGW-tested, length 50 m	9.90



PU foam pipe insulation

All prices plus VAT, prices valid until 31.03.2024

VA screw head/ welded version (available on request)	To heat deionised water, we also offer all versions in welded design with a VA screw head. Please contact us separately for delivery times and prices.
Plant construction	Optionally, Siekerkotte can develop and manufacture customised complete systems – from simple valve control extensions to specific special plant construction.
Process automation/process integration	e.g., remote control via hardwire connections (coupling relays), bus connections or control according to other customer-specific variables.
Power to heat	Simultaneous control of the plant according to process temperature and power in order to take off a predefined amount of power. Upon request, we offer P2H plants, starting with the hydraulic system (fittings, pumps, valves, sensors, etc.) including assembly/commissioning.

GOT ANY QUESTIONS?

We're here to help

For more than 30 years, Siekerkotte has been offering thermal engineering solutions that are custom designed to meet the customers' process requirements and implemented in technically and economically optimised plants. Get in touch with us and we'll be happy to support you with anything related to electric heating technology!

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