

HYDRAULIC TANKS

TANK HEATERS

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QUALITY PRODUCTS



FREE ADVICE



TANK HEATERS

www.flowfitonline.com
TECH. DATA SHEET
TH01

- Standard devices of 0.25 kW-5 kW available
- Devices for protection and special devices on request
- A calculation programme for determination of the required tank heater is available

FIELD OF APPLICATION

Preheating of hydraulic oil on mineral basis for a fast reaching of the operating temperature at hydraulic units.
The optimum viscosity decreases the wear of the hydraulic components.

VR



Immersion heaters with magnetic clamp, no mounting effort, ideal solution to retrofit existing installations. Protection IP 68. Integrated thermostat with switch-off temperature 40°C (standard).

RHK



Tube screwed-in heater, protection IP 54. Screwed thread G 1 1/2".

PTHK 90



Cartridge screwed-in tank heater with tube insert. Protection IP 65. This type of heating insert can be changed without evacuation of the oil tank. Screwed thread G 1 1/2" and G 2".

RHK-TH



Tube screwed-in heater with temperature adjustment, external or internal regulation. Standard adjustable 0°C up to 85°C. Protection IP 54. Screwed thread G 1 1/2".

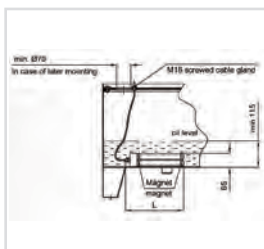
PTHK 91 TH



Cartridge screwed-in tank heater with temperature adjustment, external or internal regulation. Standard adjustable 0°C up to 85°C. Protection IP 54. This type of heating insert can be changed without evacuation of the oil tank. Screwed thread G 2".

VR IMMERSION HEATERS WITH MAGNETIC CLAMPS

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TECH. DATA SHEET
TH02



- For preheating of hydraulic oil
- No mounting effort, ideal solution to retrofit existing installations
- Horizontal or vertical arrangement, low minimum oil level
- Medium touched pieces stainless steel (14571), brass and plastics respectively
- Welded type
- Magnetic clamps for fixing at tank bottom/partition wall
- Protection 1P68
- Integrated thermostat with switch-off temperature 40°C (standard)
- Integrated temperature limiter
- Surface charge: 1.2 W/cm² for HIP
0.6 W/cm² for HFA/HFC/HFD-11

CONSTRUCTION/MATERIALS

- Heating elements protected by tubes made of stainless steel (14571)
- Cable connection made of brass
- Three-pole plastic cable, length 4m, with screwed cable gland M16 resistant to mineral oil, vegetable oil and lubricants as well as HFA and HFC liquids

MOUNTING

Insert the heater either horizontally to the bottom or vertically towards the tank wall. Fixation by magnetic clamp. The cable must be led outside above the oil level, e.g. through the cover and fixed of the tank or the cover by a screwed cable gland M16. During operation the tank heater must be covered by at least 15 mm of the medium, otherwise the medium and/or the heater might be damaged or destroyed. In case of retrofitting, the opening of the tank cover which the heater is led through, must amount to 70 mm at least. On no account it should be hung up on the connection cable. Additionally a 'gathering' of iron particles in the tank will be achieved by the integrated magnetic clamps.

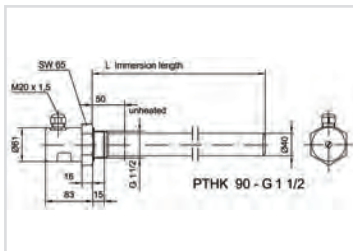
PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	W/cm ²	THERMOSTAT	£ STERLING	€ EUROS
TH1955	VR 125 W/0,6•M	125	200	230 V/AC	0,6 HFA/HFC/HFD.R	Switch-off temperature 40°C (Standard)	£549.15	€ 741.36
TH1956	VR 250 W/0,6•M	250	300	230 V/AC	0,6 HFA/HFC/HFD.R		£582.04	€ 785.76
TH1957	VR 500 W/0,6•M	500	500	230 V/AC	0,6 HFA/HFC/HFD•R		£614.67	€ 829.81
TH1960	VR 250 W/1,2•M	250	200	230 V/AC	1,2 HIP		£549.15	€ 741.36
TH1961	VR 500 W/1,2•M	500	300	230 V/AC	1,2 HLP		£581.86	€ 785.51
TH1962	VR 1000 W/1,2•M	1000	500	230 V/AC	1,2 HLP		£614.67	€ 829.81

- Special designs on request
- Accessories on request
- Protection tube for supply pipe

- Indicator heating process/ disturbance in external case

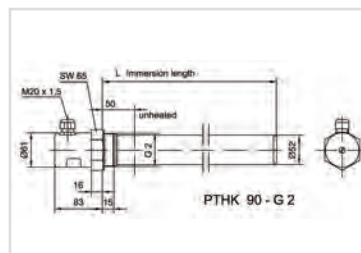
CARTRIDGE SCREWED-IN HEATERS

www.flowfitonline.com
TECH. DATA SHEET
TH03



- Cartridge heaters for preheating of hydraulic oil
- Exchangeable ceramic heating insert (mounting/dismounting possible without evacuation of oil)
- Bright galvanized steel cop
- For horizontal mounting under oil level
- Material: Steel (further materials on request)
- Surface charge 1.5 W/cm² for hydraulic oils
- Protection IP 65
- Wiring schemes for different mains voltages on request

PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH1705	PTHK 90-G 1 1/2"	400	200	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£287.84	€ 388.58
TH1707		600	300		£297.97	€ 402.26
TH1709		800	400		£304.20	€ 410.68
TH1711		1000	500		£315.12	€ 425.42
TH1713		1200	600		£321.39	€ 433.87
TH1715		1400	700		£331.52	€ 447.54
TH1717		1600	800		£340.10	€ 459.13
TH1719		1800	900		£354.13	€ 478.08
TH1721		2000	1000		£368.18	€ 497.05
TH1723		2200	1100		£383.79	€ 518.12
TH1725		2400	1200		£392.36	€ 529.70
TH1727		2800	1400		£409.54	€ 552.87
TH1729		3200	1600		£462.56	€ 624.46
TH1731		3600	1800		£491.43	€ 663.43
TH1733	4000	2000	£529.64	€ 715.02		



PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH1750	PTHK 90-G 2"	500	200	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£301.88	€ 407.54
TH1752		750	300		£312.02	€ 421.23
TH1754		1000	400		£322.94	€ 435.97
TH1756		1250	500		£347.12	€ 468.61
TH1758		1450	600		£379.88	€ 512.84
TH1760		1700	700		£400.15	€ 540.21
TH1762		1950	800		£418.89	€ 565.50
TH1764		2200	900		£448.52	€ 605.50
TH1766		2450	1000		£464.12	€ 626.56
TH 1768		2700	1100		£496.10	€ 669.74
TH1770		2950	1200		£521.06	€ 703.44
TH1772		3450	1400		£537.46	€ 725.57
TH1774		3900	1600		£610.01	€ 823.50
TH1776		4400	1800		£649.78	€ 877.21
TH1778	4900	2000	£706.72	€ 954.07		

PART NO.

1760

VARIATION

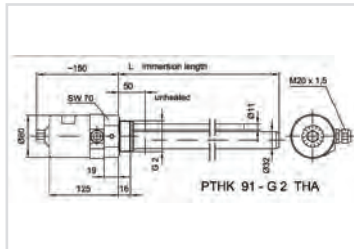
PTHK 90-G 2

VOLTAGE

2 X 380 V

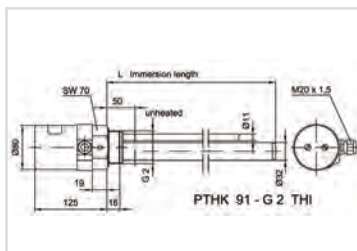
CARTRIDGE SCREWED-IN HEATERS WITH TEMPERATURE ADJUSTMENT

www.flowfitonline.com
TECH. DATA SHEET
TH04



- Cartridge heaters for preheating of hydraulic oil
- Temperature adjustment for internal (THI) and external regulation (THA), single-pole 0°-85°C, 16 amp
- Exchangeable ceramic heating insert (mounting/dismounting possible without evacuation of oil)
- Bright galvanized steel cap
- For horizontal mounting under oil level
- Material: Steel (further materials on request)
- Surface charge 1.5 W/cm² for hydraulic oils
- Protection IP 54
- Wiring schemes for different mains voltages on request

PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH 1800	PTHK 91-G 2 [°] THA (external regulation)	450	300	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£713.74	€ 963.54
TH 1802		600	400		£722.31	€ 975.12
TH 1804		750	500		£731.69	€ 987.78
TH 1806		900	600		£741.04	€ 1,000.41
TH 1808		1050	700		£751.17	€ 1,014.09
TH 1810		1200	800		£760.54	€ 1,026.72
TH 1812		1350	900		£768.34	€ 1,037.26
TH 1814		1500	1000		£776.13	€ 1,047.78
TH 1816		1580	1100		£782.60	€ 1,056.51
TH 1818		1730	1200		£794.09	€ 1,072.03
TH 1820		1880	1300		£800.32	€ 1,080.43
TH 1822		2030	1400		£809.69	€ 1,093.08
TH 1824		2180	1500		£816.71	€ 1,102.55
TH 1826		2330	1600		£825.29	€ 1,114.14



PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH 1801	PTHK 91-G 2 [°] THI (external regulation)	450	300	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£753.52	€ 1,017.25
TH1803		600	400		£762.89	€ 1,029.90
TH 1805		750	500		£769.91	€ 1,039.37
TH1807		900	600		£778.50	€ 1,050.96
TH 1809		1050	700		£791.75	€ 1,068.85
TH1811		1200	800		£798.76	€ 1,078.32
TH1813		1350	900		£806.55	€ 1,088.86
TH1815		1500	1000		£815.92	€ 1,101.48
TH1817		1580	1100		£825.29	€ 1,114.14
TH1819		1730	1200		£833.08	€ 1,124.66
TH1821		1880	1300		£840.89	€ 1,135.19
TH1823		2030	1400		£848.69	€ 1,145.73
TH1825		2180	1500		£856.48	€ 1,156.26
TH 1827		2330	1600		£867.40	€ 1,170.99

PART NO.

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1808

VARIATION

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PTHK 91-G 2 THA

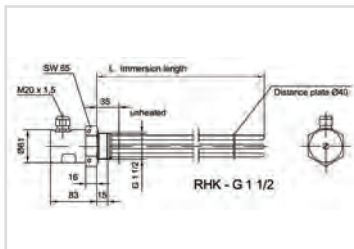
VOLTAGE

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2 X 380 V

RHK-TUBE SCREWED-IN HEATERS

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TECH. DATA SHEET
TH05



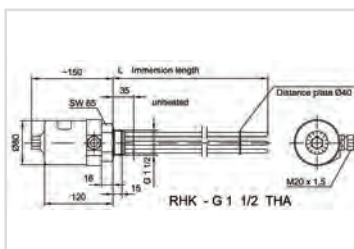
- Tube screwed-in heater for preheating of hydraulic oil
- Bright galvanized steel cop
- For horizontal mounting under oil level
- Material: Steel (further materials on request)
- Surface charge 1.5 W/cm² for hydraulic oils
- Protection IP 65
- Wiring schemes for different mains voltages on request

PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH1830	RHK-G 1 1/2"	380	200	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£205.93	€ 278.01
TH1832		500	250		£218.42	€ 294.86
TH1834		750	350		£239.48	€ 323.30
TH1836		990	450		£262.11	€ 353.84
TH1838		1450	650		£305.00	€ 411.75
TH1840		1825	800		£339.31	€ 458.07
TH1842		2300	1000		£385.34	€ 520.21

PART NO.	VARIATION	VOLTAGE
↓	↓	↓
1832	RHK-G 1 1/2	2 X 380 V

RHK-TH-TUBE SCREWED-IN HEATERS WITH TEMPERATURE ADJUSTMENT

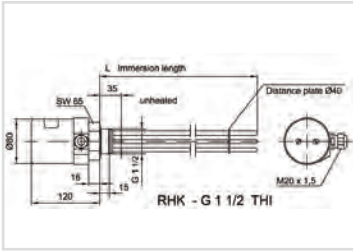
www.flowfitonline.com
TECH. DATA SHEET
TH06



- Tube screwed-in heater for preheating of hydraulic oil
- Temperature adjustment for internal (THI) and external regulation (THA), single-pole 0.85°C, 16 amp
- Bright galvanized steel cop
- For horizontal mounting under oil level
- Material: Steel (further materials on request)
- Surface charge 1.5 W/cm² for hydraulic oils
- Protection IP 54
- Wiring schemes for different mains voltages on request

PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH1860	RHK-G 1 1/2" THA (external regulation)	380	200	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£429.80	€ 580.23
TH1862		500	250		£442.28	€ 597.08
TH1864		750	350		£464.12	€ 626.56
TH1866		990	450		£486.75	€ 657.10
TH1868		1460	650		£530.43	€ 716.08
TH1870		1825	800		£561.62	€ 758.19
TH1872		2300	1000		£607.65	€ 820.34

continued on next page



PART NO.	TYPE	POWER	L+ (MM)	VOLTAGE	NETT. PRICE	
					£ STERLING	€ EUROS
TH1861	RHK-G 1 1/2" THI (external regulation)	380	200	In case of order please specify: Variation 1: 1 x 230 V Variation 2: 2 x 380 V Variation 3: 3 x 380 V Variation 4: 2 x 400 V Variation 5: 3 x 400 V	£470.36	€ 634.99
TH1863		500	250		£479.71	€ 647.62
TH1865		750	350		£503.91	€ 680.27
TH1867		990	450		£523.41	€ 706.60
TH1869		1460	650		£568.65	€ 767.69
TH1871		1825	800		£600.63	€ 810.85
TH1873		2300	1000		£647.44	€ 874.03

PART NO.	VARIATION	VOLTAGE
↓	↓	↓
1862	RHK G 1 1/2 THA	2 X 380 V

If the part number needed is not listed please ask the Flowfit Sales Team