

SCREWED-IN HEATERS

PRODUCT DESCRIPTION

- Heater for pre-heating of hydraulic oil on mineral oil base
- For horizontal mounting under oil level
- Surface charge approx. 1.5 W/cm² for hydraulic oils
- Bright galvanised steel cap
- Material: steel (further materials on request)
- Wiring schemes for various supply voltages on request

SERIES PTHK 90

- Exchangeable ceramic heating insert (mounting / dismounting possible without oil drain)
- Protection class IP 65



Series PTHK 90

SERIES PTHK 92

- Exchangeable ceramic heating insert (mounting / dismounting possible without oil drain)
- Temperature control for internal (THI) or external (THA) regulation, single pole 0 - 85°C, 16 ampere
- Protection class IP 54 for THA resp. IP 65 for THI



Series PTHK 92

SERIES RHK - G1 1/2"

- Protection class IP 65



Series RHK - G 1 1/2"

SERIES RHK - G1 1/2" THA / THI

- Temperature control for internal (THI) or external (THA) regulation, single pole 0 - 85°C, 16 ampere
- Protection class IP 54 for THA resp. IP 65 for THI



Series RHK - G 1 1/2" THA / THI

SERIES WHK G 1 1/2"

- Mounting via tank lid
- Protection class IP 54
- Optional with temperature control for internal regulation (THI)

Order code				
Art. No.		Type		Voltage*
1808	-	PTHK 92 - G 2" THA	-	2 x 400 V
		PTHK 90 - G 1 1/2"		1 x 230V
		PTHK 90 - G 2"		2 x 380V
		PTHK 92 - G 2" THA		3 x 380V
		PTHK 92 - G 2" THI		2 x 400V
		RHK - G 1 1/2"		3 x 400V
		RHK - G 1 1/2" THA		
		RHK - G 1 1/2" THI		
		WHK - G 1 1/2"		
		WHK - G 1 1/2" THI		



*available at extra charge:

3 phases
> 400 V

REQUIRED DETAILS FOR QUOTATION

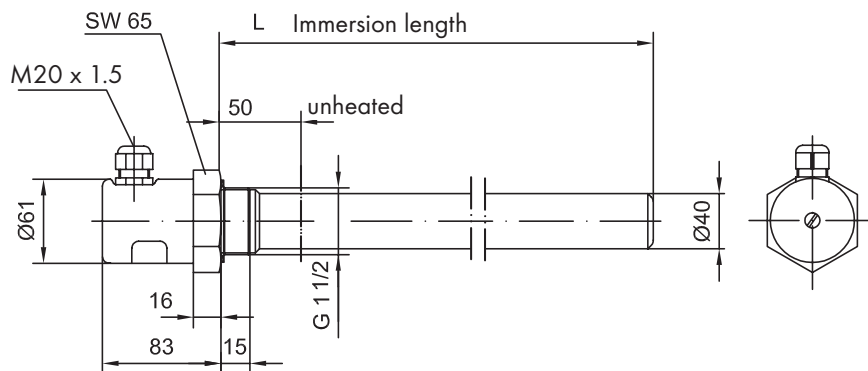
In order to provide you a specific quotation, we need the following information:

- Power
- Max. immersion length
- Voltage
- Surface load
- Thermostat yes / no

For the calculation of the tank heater, you will find a questionnaire and selection programme in the download section of our website www.hbe-hydraulics.com.

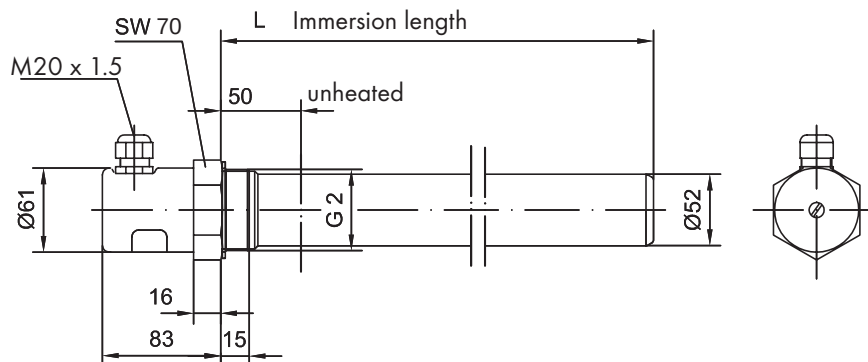
CARTRIDGE SCREWED-IN HEATERS

PTHK 90 - G 1 1/2"



Art. No.	Power [W]	L= Immersion depth [mm]
1705*	400	200
1707*	600	300
1709*	800	400
1711*	1000	500
1713*	1200	600
1715*	1400	700
1717	1600	800
1719	1800	900
1721	2000	1000
1723	2200	1100
1725	2400	1200
1727	2800	1400
1729	3200	1600
1731	3600	1800
1733	4000	2000

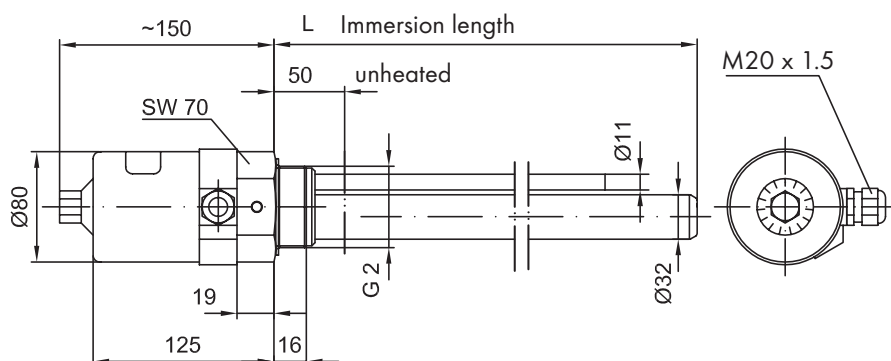
PTHK 90 - G 2"



Art. No.	Power [W]	L= Immersion depth [mm]
1750*	500	200
1752*	750	300
1754	1000	400
1756	1250	500
1758	1450	600
1760	1700	700
1762	1950	800
1764	2200	900
1766	2450	1000
1768	2700	1100
1770	2950	1200
1772	3450	1400
1774	3900	1600
1776	4400	1800
1778	4900	2000

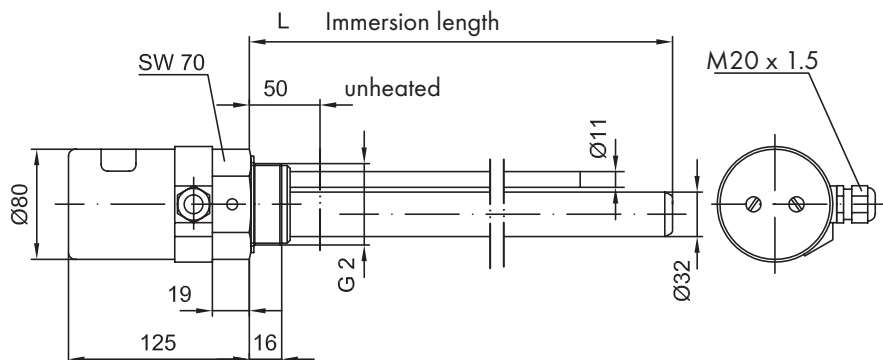
*Voltage two-phase max.

PTHK 92 - G 2" THA



Art. No.	Power [W]	L= Immersion depth [mm]
1800*	450	300
1802*	600	400
1804*	750	500
1806*	900	600
1808*	1050	700
1810	1200	800
1812	1350	900
1814	1500	1000
1816	1580	1100
1818	1730	1200
1820	1880	1300
1822	2030	1400
1824	2180	1500
1826	2330	1600

PTHK 92 - G 2" THI

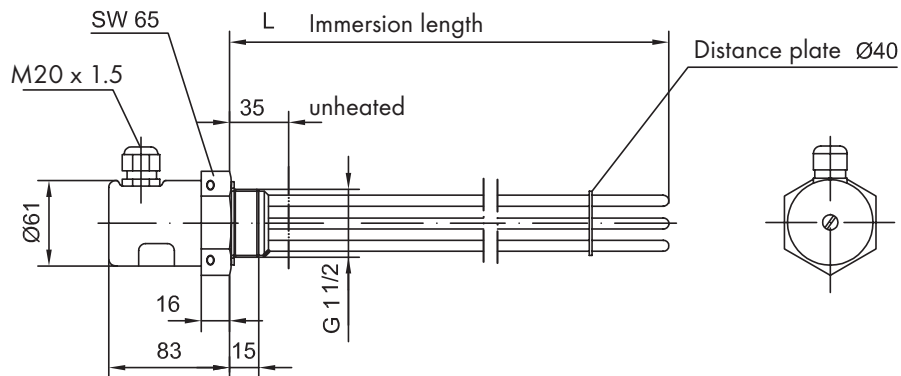


Art. No.	Power [W]	L= Immersion depth [mm]
1801*	450	300
1803*	600	400
1805*	750	500
1807*	900	600
1809*	1050	700
1811*	1200	800
1813	1350	900
1815	1500	1000
1817	1580	1100
1819	1730	1200
1821	1880	1300
1823	2030	1400
1825	2180	1500
1827	2330	1600

*Voltage two-phase max.

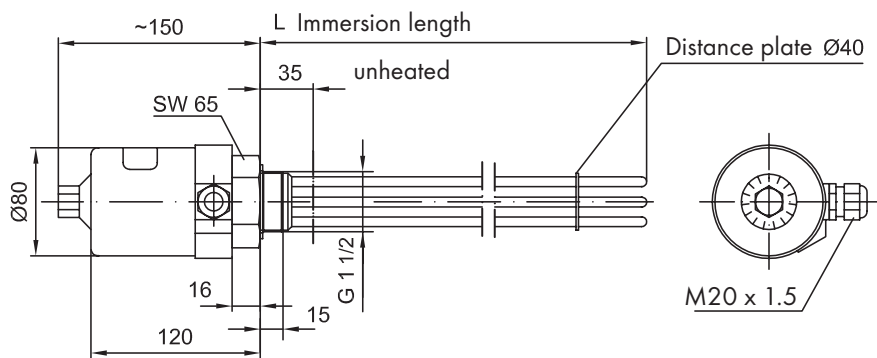
TUBE SCREWED-IN HEATERS

RHK - G 1 1/2"



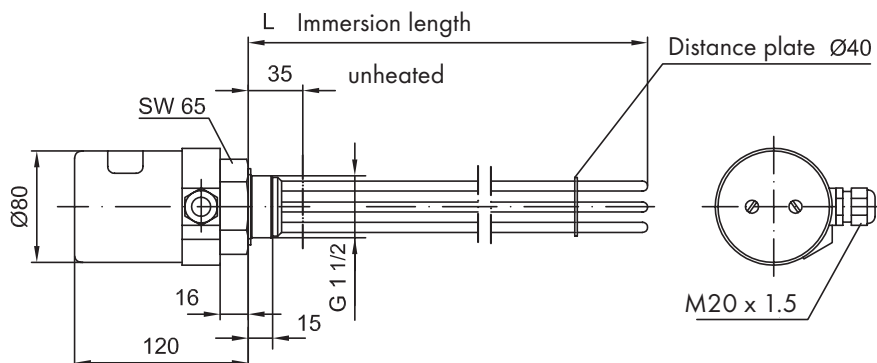
Art. No.	Power [W]	L= Immersion depth [mm]
1830*	380	200
1832*	500	250
1834	750	350
1836	990	450
1838	1450	650
1840	1825	800
1842	2300	1000

RHK - G 1 1/2" THA



Art. No.	Power [W]	L= Immersion depth [mm]
1860*	380	200
1862*	500	250
1864	750	350
1866	990	450
1868	1460	650
1870	1825	800
1872	2300	1000

RHK - G 1 1/2" THI



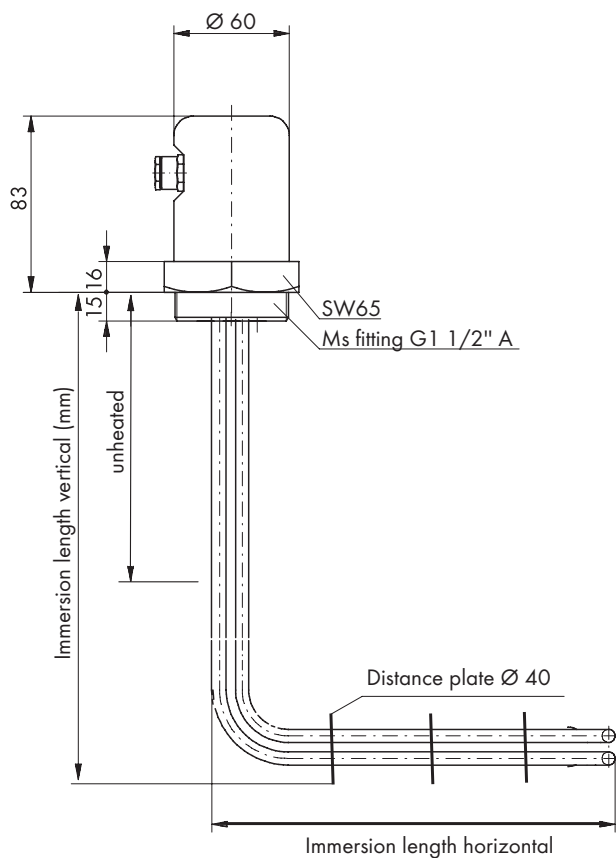
Art. No.	Power [W]	L= Immersion depth [mm]
1861*	380	200
1863*	500	250
1865	750	350
1867	990	450
1869	1460	650
1871	1825	800
1873	2300	1000

*Voltage two-phase max.

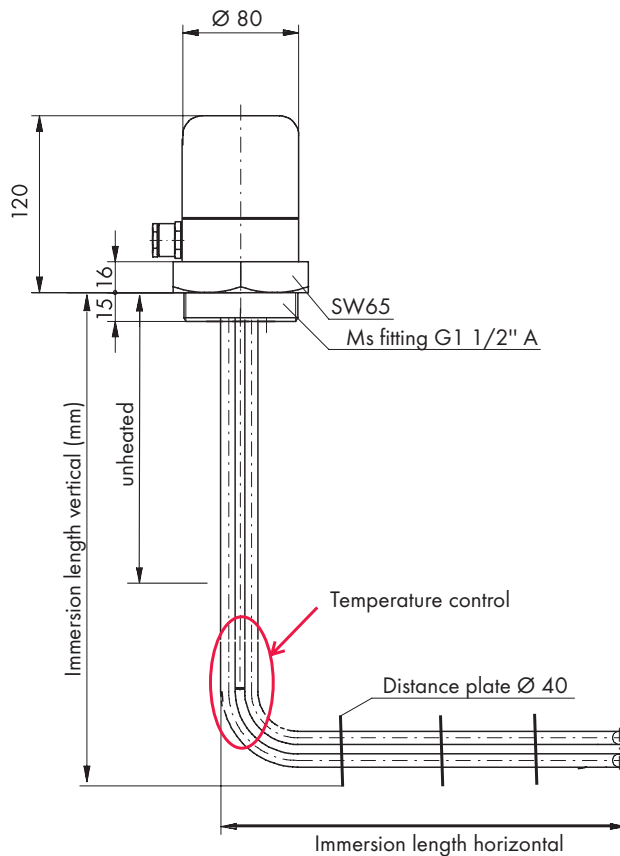
TUBE SCREWED-IN HEATERS – SHAPED

DIMENSIONS

STANDARD VERSION



VERSION WITH TEMPERATURE CONTROL (THI)



Art. No.		Power [W]	Length [mm]			No. of RHK
Standard	THI		vertical	horizontal	unheated	
1633*	1643*	260	265	300	250	1
1634*	1644*	370	320	430	300	1
1635*	1645*	800	365	490	350	2
1636*	1646*	1000	425	600	410	2
1637*	1647*	1200	480	740	460	2

*Voltage two-phase max.