



CAPPAK™ Ordering Information

Pre-Traced Capillaries

O'Brien CAPPAK™ is an OEM product supplied by the transmitter manufacturer or remote seal supplier. This bulletin is provided to guide the transmitter manufacturer or seal supplier in selecting the correct CAPPAK products to meet the customer requirements and specifications.



O'Brien CAPPAK is produced in two heater variations for application with different fill fluids.

Integral Temperature Limiting - A low temperature self regulating heater reduces the affect of ambient temperature change by a factor of 3:1 so a 90° (C or F) change in ambient temperature will cause only a 30° change in the temperature of the fill fluid. This design does not require additional external temperature control.

External Temperature Limiting – A high temperature heater is used to maintain a fill fluid temperature of 40°C (105°F) at a -45°C ambient. This design incorporates an internal SensorTube™ for a customer supplied RTD or T/C sensor and temperature controller. This design is capable of maintaining the temperature of the fill fluid within ±1°.

CAPPAK™ Selection Guide

The following information should be used as a general guideline for common fill fluids. CAPPAK pre-traced capillary systems will provide similar user benefits when used with other specialized fill fluids. Temperature limits and operating conditions must be checked and verified by the user.

<u>Fill Fluid</u>	<u>Consider</u>
DC200	CAPPAK with J10 or P10 integral temperature limiting electric heater
Glycol/Water	CAPPAK with J10 or P10 integral temperature limiting electric heater
DC704	CAPPAK with B10 or N10 external temperature limiting electric heater and SensorTube for use with external temperature control
DC705	CAPPAK with B10 or N10 external temperature limiting electric heater and SensorTube for use with external temperature control

How To Order

CAPPAK is available in two configurations. Factory finished lengths and bulk spools.

Factory finished lengths are cut to length and include all components necessary for the assembly and filling of the remote seals. Bulk bundle can be cut to length as required. Necessary termination components such as heat shrink boots and electric termination kits are ordered and assembled as needed.

Kits for connecting the tracer to the power supply are selected based on the geographic area of final installation for the transmitter.

Factory Finished Lengths – length is total length of armored flex including 100mm (4”) exposed at each end for connection to flange and transmitter. Tracer termination and heat shrink boots installed. Transmitter end includes one meter (3 ft) of exposed heater cable for connection to electrical junction box.

<u>Voltage</u>	<u>Unit Length</u>	<u>Part Number (XXX is replaced with the length in whole numbers)</u>
CAPPAK – Integral Temperature Limiting: 304SS armored flex with high turndown electric heater		
100 – 130VAC	Foot	TCPK-J10/XXXF
100 – 130VAC	Meter	M/TPCK-J10/XXXF
200 – 277VAC	Foot	TCPK-P10/XXXF
200 – 277VAC	Meter	M/TPCK-P10/XXXF

CAPPAK – External Temperature Limiting with SensorTube™: 304SS armored flex with low turndown electric heater customer supplied temperature sensor and controller required

100 – 130VAC	Foot	TCPK-B10/XXXF
100 – 130VAC	Meter	M/TPCK-B10/XXXF
200 – 277VAC	Foot	TCPK-N10/XXXF
200 – 277VAC	Meter	M/TPCK-N10/XXXF

Bulk Materials – length is total length of uncut and unfinished bundle. Shipped on spools.

<u>Voltage</u>	<u>Unit Length</u>	<u>Part Number</u>
CAPPAK – Integral Temperature Limiting: 304SS armored flex with high turndown electric heater		
100 – 130VAC	Foot	TCPK-J10
100 – 130VAC	Meter	M/TPCK-J10
200 – 277VAC	Foot	TCPK-P10
200 – 277VAC	Meter	M/TPCK-P10

CAPPAK – External Temperature Limiting with SensorTube™: 304SS armored flex with low turndown electric heater customer supplied temperature sensor and controller required

100 – 130VAC	Foot	TCPK-B10
100 – 130VAC	Meter	M/TPCK-B10
200 – 277VAC	Foot	TCPK-N10
200 – 277VAC	Meter	M/TPCK-N10

Termination Components

Heat Shrink Boot – 2 Leg **TPKHS-D2**
 Heat Shrink Boot – 3 Leg **TPKHS-B3**
 Electrical End Termination **T210-ET**
 Electric Connection Kit

T9355-PC

Use this kit worldwide except North America. M25 thread for customer supplied junction box.

T210-PC

Use this kit for Canada and United States for one tracer. Includes junction box.

JBM-100-A

Use this kit for Canada and United States for one to three tracers. Includes junction box.