

Instructions for the Field Trimming a Clark-Reliance Probe



MODEL T PROBE
FOR PRESSURES
TO 450 PSI
(TEFLON[®] INSULATED)



MODEL V PROBE
FOR PRESSURES
TO 1000 PSI
(TEFLON[®] INSULATED)



MODEL ZG PROBE
FOR PRESSURES
TO 1800 PSI
(ZIRCONIUM OXIDE
INSULATED)



MODEL FG PROBE
FOR PRESSURES
TO 3000 PSI
(ZIRCONIUM OXIDE
INSULATED)

Brazed Probes



MODEL ZBRZ has been designed for specification or retrofit into any Clark-Reliance instrument designed for pressures up to 1800 PSI.



MODEL FBRZ has been designed for specification or retrofit into any Clark-Reliance instrument designed for 3000 PSI.



MODEL FSB has been uniquely designed and specified only for Clark-Reliance model instruments, without any sealing gaskets required.

Caution: Before proceeding, follow any and all plant lock out - tag out procedures required. Verify that all power is turned off to the probes. If under pressure, the equipment should be isolated, or the boiler should be shut down *before* proceeding with the installation. Open drain valve to eliminate any trapped pressure. Any trips or alarms connected to the controller should be bypassed. All inspection and installation steps should be performed by a qualified technician and should be executed in accordance with all applicable national and local codes.

Reliance[®]

A PRODUCT OF CLARK-RELIANCE

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The procedure for trimming a Clark-Reliance probe is as follows:

- 1) Untrimmed Water Column Probes are normally furnished in 36” long lengths.
- 2) To trim the probe to the correct length, place the probe rod in a vise and tighten. **Note:** Never put any part of the probe body or insulator into a vise and tighten it. This will severely damage the probe!
- 3) While supporting the body end of the probe so it does not bend, trim the stainless steel probe rod to the desired length with a hacksaw. **The probe rod length is measured from the gasket surface of the body to the tip of the probe rod.**



- 4) Remove any burrs from the end of the rod and file clean.
- 5) Install the probe, using a new gasket, and tighten it to the proper torque value. Refer to IOM #R500.E189-A for installation instructions.

Replacement Probe Part Numbers

T***RK	ZG***RK
V***RK	FG***RK
ZBRZ***RK	FBRZ***RK

*** = Probe length measured from the gasket surface of the probe fitting body. The first two digits (**) indicate the length of the probe in whole inches. The third digit indicates additional eighths of an inch.

Note: Each replacement probe is furnished with two sealing gaskets – one for installation and one for a spare.

Any additional questions should be directed to your local Clark-Reliance Representative, or to the Factory. Phone: (440) 572-1500 or email www.relianceappeng@clark-reliance.com.

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