

CLEANING GENERATOR PROBES

Generator probes are configured with a PTFE upper and lower bearing (400-series stainless steel bearings may be ordered). Please note that 400-series stainless steel bearings are subject to corrosion if not properly maintained. After cleaning, stainless steel bearings should be removed from the generator probe and wiped clean of all debris and moisture Stainless steel bearings should not be used when working with organic solvents or in an environment that does not allow for proper maintenance. If the generator probe is to be used with organic solvents, then it is recommended that the stainless steel bearing be replaced with a glass filled PTFE bearing (PN 10503). PTFE bearings are generally corrosion resistant, and are self-lubricating.

CAUTION: DO NOT autoclave or lubricate stainless steel bearings.

Generator probes can be autoclaved as a complete assembly, if PTFE bearings are used. However, if it is necessary to disassemble the generator probe for special cleaning, or replacement of the rotor knife, rotor shaft, or the bearings, then follow the disassembly introductions.

NOTE: If you experience excessive vibration, heat, or bearing wear, please contact technical support at 1-800-776-4431

REPLACEMENT AND RUN-IN OF PTFE BEARINGS

Over time, and with repeated use, PTFE bearings will wear out and must be replaced. Failure to replace worn PTFE bearings will result in damage to the generator probe. PTFE bearings should be replaced when they no longer fit snugly against the rotor shaft, or when visible wear is apparent, or if black particles become visible in the sample.

Run-in: The new bearing must be run-in in order to assure proper seating and to operate properly. Immerse one-third of the generator probe in water and operate the motor drive at low speed for 5 minutes, then run at full speed for 1 minute to complete the run-in procedure. If excessive or unusual noise is experienced during the run-in, immediately turn off the motor drive, and restart the break-in procedure at low speed. After completion of the run-in procedure, disassemble the generator probe and clean the bearing. Reassemble the generator probe and operate as needed.

WARNING: The tip of the generator probe, especially on the saw tooth generator probes, is sharp. For safety purposes it is advisable that the protective cap be replaced on the generator probe when not in use.

CAUTION: The bottom of the generator probe is extremely fragile and care should be taken to protect it. Replace the blue protective cap on the end of the generator probe when the generator probe is not being used.

CAUTION: When using PTFE lower bearings, immerse the bottom of the generator probe in liquid or in the sample to avoid premature failure of the lower bearing.

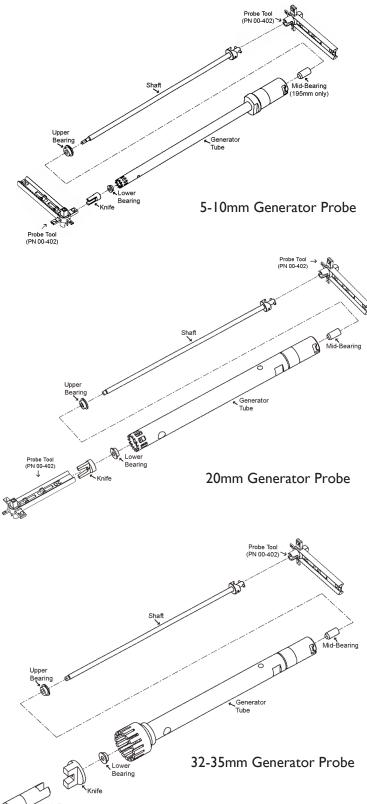
NOTE: For optimal sample recovery during processing, completely remove the generator probe from the sample prior to turning off the motor drive unit.

NOTE: Liquid circulates through the two holes in the generator probe. DO NOT block the upper hole, although the lower hole may be completely submerged during processing.

CAUTION: To protect the motor and the generator probe never operate the motor with the generator probe partially threaded onto the motor.



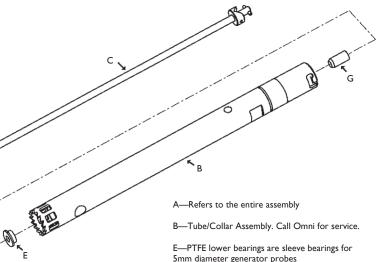
GENERATOR PROBES FOR OMNI TH, GLH, & PDH





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GENERATOR PROBE REPLACEMENT PARTS



r	Diameter	Length	Shaft	Upper Bearing		Lower Bearing		Knife	Mid Bearing
				PTFE	S.S.	PTFE	S.S.		
			с	D (4/pkg)	D (2/pkg)	E (4/pkg)	E (2/ pkg)	F	G
	5mm	75mm	5952-75	10503	10651	10505	N/A	10045	N/A
	5mm	75mm	5952-75	10503	10651	10505	N/A	10045	N/A
	7mm	95mm	7952	10503	10651	10507	N/A	10047	N/A
	7mm	95mm	7952	10503	10651	10507	N/A	10047	N/A
/	7mm	95mm	7952	10503	10651	10507	N/A	10047	N/A
	7mm	95mm	7952	10503	10651	10507	N/A	10047	N/A
	7mm	195mm	71952	10503	10651	10507	N/A	10047	10071_R
	7mm	195mm	71952	10503	10651	10507	N/A	10047	10071_R
v	7mm	195mm	71952	10503	10651	10507	N/A	10047	10071_R
	10mm	95mm	10952	10503	10651	10504	10652	15013	N/A
	10mm	95mm	10952	10503	10651	10504	10652	15013	N/A
	10mm	95mm	10952	10503	10651	10504	10652	15013-B	N/A
/	10mm	95mm	10952	10503	10651	10504	10652	15013-B	N/A
	10mm	195mm	101952	10503	10651	10504	10652	15013	10069
'	10mm	195mm	101952	10503	10651	10504	10652	15013	10069
	10mm	195mm	101952	10503	10651	10504	10652	15013-B	10069
v	10mm	195mm	101952	10503	10651	10504	10652	15013-B	10069
	20mm	195mm	201952	10503	10651	10503	10651	15023	10069
~	20mm	195mm	201952	10503	10651	10503	10651	15023	10069
к	20mm	195mm	201952	10503	10651	10503	10651	I 5023-B	10069
w	20mm	195mm	201952	10503	10651	10503	10651	I 5023-B	10069
5	32mm	195mm	15-05-195	10506	10653	10506	10653	15-03-32T	15-11-250
5	35mm	195mm	15-05-195	10506	10653	10506	10653	15-03-35A	15-11-250
95	35mm	195mm	15-05-195	10506	10653	10506	10653	15-03-35A	15-11-250