

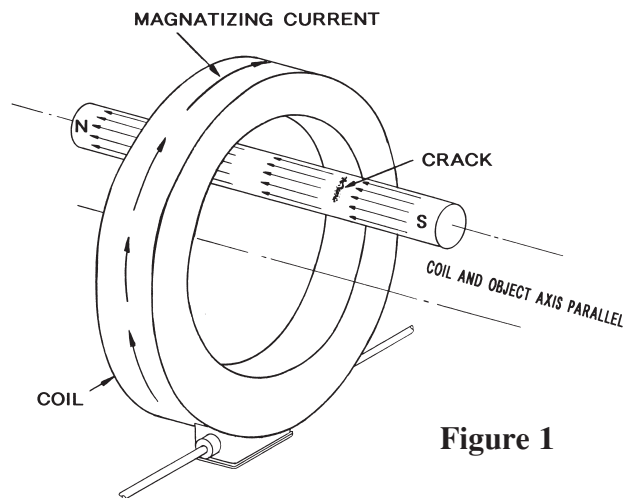
# MAGNETIZING COIL OPERATING INSTRUCTIONS

## OPERATION:

Plug the power cord of the coil into the appropriate outlet. Depress the foot switch. A magnetic pull will be felt by insertion of a ferrous metal object into the center of the coil. Inspection is accomplished by placing the part longitudinally parallel to the axis of the coil, within the coil nearer to the outer circumference. (Fig. 1) Activate the foot switch and apply the inspection medium while the coil is energized. This is referred to as the continuous method and will reveal defects at right angles to the coil or object axis.

When using the wet method, allow the coil to remain energized for approximately two seconds after applying the wet medium. Remove the part for inspection.

To demagnetize a part after inspection, simply place the part within the coil near the outer circumference. While the coil is energized, remove or pull the part approximately two feet away from the coil before turning the coil off. Larger parts may be demagnetized by placing the coil directly over the part and withdrawing the coil in the same manner.



**Figure 1**

**CAUTION:** The coils are designed for a 50% duty cycle, or approximately two minutes on and two minutes off. If a slightly longer on-time is required, be sure the time off is the same length of time. Continuous operation may cause overheating and damage the coil. The coils are equipped with an internal thermal switch.

## SPECIFICATIONS:

MODEL NO	PL-10	PL-10S	PL-10PDC	PL-8	PL-8S	PL-8PDC
INSIDE DIA.	9 7/8"	9 7/8"	9 7/8"	8"	8"	8"
OUTSIDE DIA.	14 1/2"	14 1/2"	14 1/2"	11 1/2"	11 1/2"	11 1/2"
WIDTH	2 1/2"	2 1/2"	2 1/2"	2 1/4"	2 1/4"	2 1/4"
LINE VOLTAGE (50-60Hz)	115 VAC	230 VAC	115 VAC	115 VAC	230 VAC	115 VAC
LINE CURRENT (AIR)	12.3 A	8.25 A	5 A	11 A	7 A	4 A
AMP-TURNS (AIR)	3,075	3,506	2,125	3,300	3,640	2,080
WEIGHT TOTAL:	14 7/8 LB	14 7/8 LB	13 7/8 LB	9 7/16 LB	9 7/16 LB	8 7/16 LB



**PL-10 WITH CASE**



**PL-8 PDC**



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