PL-10 and PL-8 Portable Magnetizing Coils

Parker's portable magnetizing coils are designed for magnetic particle inspection of ferrous metal parts. The coils allow for the use of either dry powder or wet fluorescent inspection media and may be used for demagnetizing as well.

The coils are molded in a tough black polyurethane material and come equipped with a foot switch or a hand switch and 10' yellow neoprene power cord. The sealed electrical connection box has a 2" × 5" flat base allowing the coil to stand in a vertical position.

- **The PL-10 models have 250 mm inside diameter**
- **The PL-8 models have 203 mm inside diameter**

The coils are designed for a 50% duty cycle, and are equipped with thermal overload protection.

MODELS

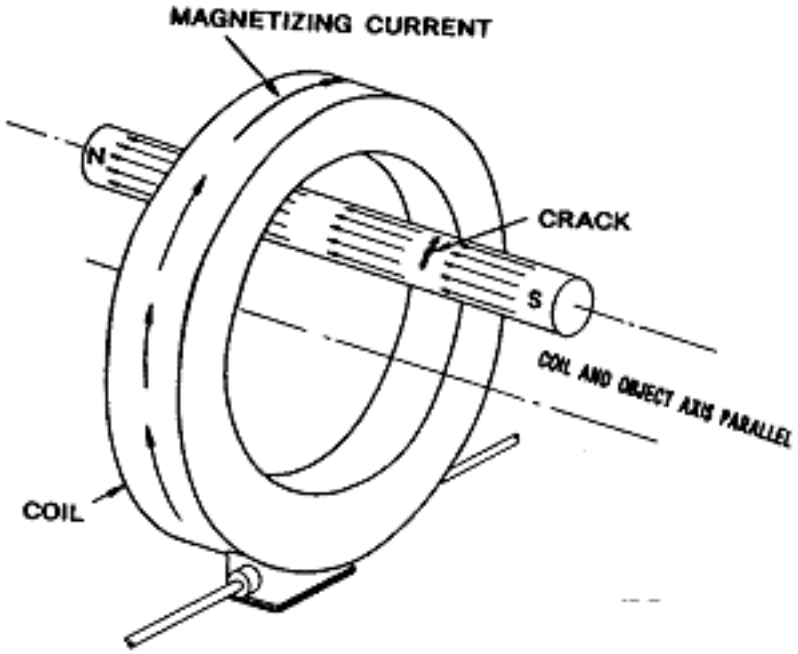
WITH FOOT OPERATING SWITCH

PL-10S and PL-8S	230VAC
PL-10SCE and PL-8SCE	230VAC with CE certification
PL-10PDC and PL-8PDC	Pulsed D.C. output from 115VAC outlet

WITH HAND OPERATING SWITCH

PL-10S-H and PL-8S-H	230VAC
PL-10SCE-H and PL-8SCE-H	230VAC with CE certification
PL-10PDC-H and PL-8PDC-H	Pulsed D.C. output from 115VAC outlet

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 center of the coil nearer the outer circumference (see figure.) 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 axis.

While 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.

All coils come with a plastic carrying case.