

WDV-Series Remote Control



One of the many benefits to WD-Series Coils are the Self Contained Controls, however for larger Coils, where they are a little heavy to be handled by a single operator, Western offers Remote Controls. The curved lower portion of the Control Housing is removed, and a solid bottom is Welded in to form the bottom of the light and rugged housing. This allows operators to move around the workpiece and having full access to the controls.

Pictured to the left is a view of the Remote Control Panel, with the Cable Connectors in View. The male connector, adjacent to the LCD Display, is for connecting the Power Supply to the Coil. While the lower female connector is for connecting the Remote Control Power Supply to Mains Power.



The only visible difference between a Remote Control Panel and a standard Coil Mounted Panel is the Switch Boots. Due to the higher Amperage requirements of a large diameter Coil, the switches need to be larger, which requires different boots. However, inside the Remote Control Housing, and mounted to the underside of the Control Panel, are the larger capacity

Control components. These larger components, that differ from Those in our standard technical documentation, are the, Breaker interconnected Shunts, Power Switch, Polarity Switch and 2 Power Supplies.



Remote Control Power Supplies are fitted with a safety interlock, where the Polarity Switch is mechanically held for 2 seconds after the energize button is released. If a careless operator attempts to excessively force the Polarity Switch in that 2 second envelop, he will break the switch housing, at a minimum. If he succeeds in latching the switch in this manner, there will be a great deal of damage to the Control Panel.

Operators should further be aware that often Remote Control Power Supplies are fitted with the Pulse DC Option. No attempt should be made to demagnetization while the Pulse Mode is activated. Here again, Pulse mode is activated by the control switch, and disengages the Energize Button.

Pulse Mode is only to be used while the operator is applying bath to the workpiece. The Pulsing or 'jarring' of the field will aid in particle mobility. This is addressed in the manual that this document forms an appendix to.

