

### thermOweld®

# LOW EMISSIONS SYSTEM

thermOweld®'s Low Emission System reduces the emissions given off by our standard flint ignitor welding system. Our Ez Lite Remote® Electric Ignition System is another alternative to reduce exposure.

This system is designed with a special mold that utilizes a graphite felt filter (included in the weld metal package) in the lid of the mold; the emissions pass through and in turn create a semi closed system. Our Low Emission System uses our EZ Lite Remote® (see page 88 ) for ignition and our high quality thermOweld® weld powder less the standard starting powder. With all of these components, most of the visible smoke from the reacting weld powder is eliminated.

This system is currently available in all of thermOweld®'s standard configurations that use 200 gram or smaller cartridges. **To order molds:** replace the "M" in the mold number with "LE" (ex M-241 becomes LE-241). To order weld metal, place prefix "LE" in front of cartridge size (ex #115 becomes LE#115). For other sizes contact factory. The EZ Lite Remote® is our standard remote for this application.

This system is an excellent choice when welding is to be done in areas where minimal smoke and sparks are a necessity such as clean rooms, vaults, tunnels, computer rooms, and telecommunication facilities.



### Low Emission Weld Metal

Low Emission Cartridge Size	Packed Per Box
LE#15	4
LE#25	4
LE#32	4
LE#45	4
LE#65	4
LE#90	4
LE#115	4
LE#150	4
LE#200	4
LE#250	4
LE#300	4
LE#400	4
LE#500	4
LE#600	4

Low Emission Weld Metal cartons contain four (4) cartridges; four (4) ignitors; (1) gasket, and one (1) filter. thermOweld® Weld Metal is sold in box quantities only

### INSTALLATION IS EASY!

### Making a thermOweld® Low Emission Connection using the EZ Lite Remote® Electric Start System



1 Position cleaned conductors in mold.



2 Place filter pad into lid.



3 Place metal disc in bottom of mold crucible.



4 Pour powder into crucible.



5 Insert the EZ Lite® Ignitor in the connector.



6 Place EZ Lite® Ignitor on the side of the mold and place gasket on top of ignitor.



7 Close lid and secure with latch.



8 Turn the power button to the "ON" position.



9 Press the "Operate" button until the exothermic reaction is initiated.



10 Remove weld and clean mold before making next connection.