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Zinc Grounding Cells

Pre-packaged zinc grounding cells from Federated Metals provide low resistance across an insulating joint without excessive loss of cathodic protection current.

Cut-away view of a two anode grounding cell installed to protect an insulated flange of an underground pipeline

-  Unprotected pipe
-  Insulated flange
-  Cathodically protected pipe
-  Insulated copper wires connecting zinc anodes and pipeline
-  Two 60" zinc anodes separated by insulating spacers
-  Low resistance backfill surrounding zinc anodes

Zinc grounding cells from Federated Metals provide positive, long-life protection wherever voltages must be limited in underground metallic systems to reduce danger of shock or arcing and burning of insulated joints. Typical grounding installations include oil, gas and water pipelines, power stations, oil storage tanks and transmission line towers and cables.

