

Bias Zinc Cells

Bias zinc grounding cells comprises two or four parallel zinc alloy sacrificial anode rods separated by insulating spacers, encapsulated within a cotton bag pre-filled with backfill material. Key structural features:

Anode composition: High-purity Zn-Al-Cd alloy (99.995% Zn per ASTM B418)

Insulation system: Fiber-reinforced epoxy spacers (dielectric strength >30 kV/mm)

Backfill mixture: 75% gypsum + 20% bentonite + 5% sodium sulfate (optimizes ion diffusion)

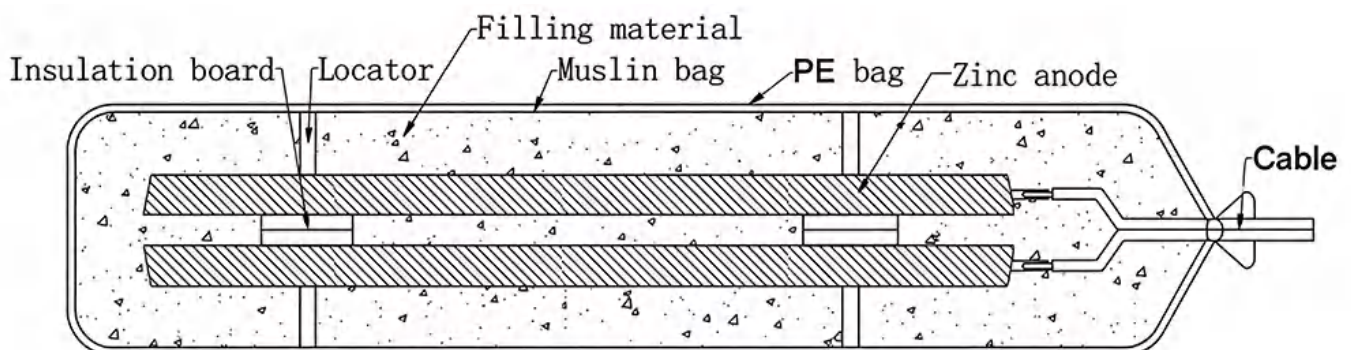


PRODUCT SPECIFICATIONS

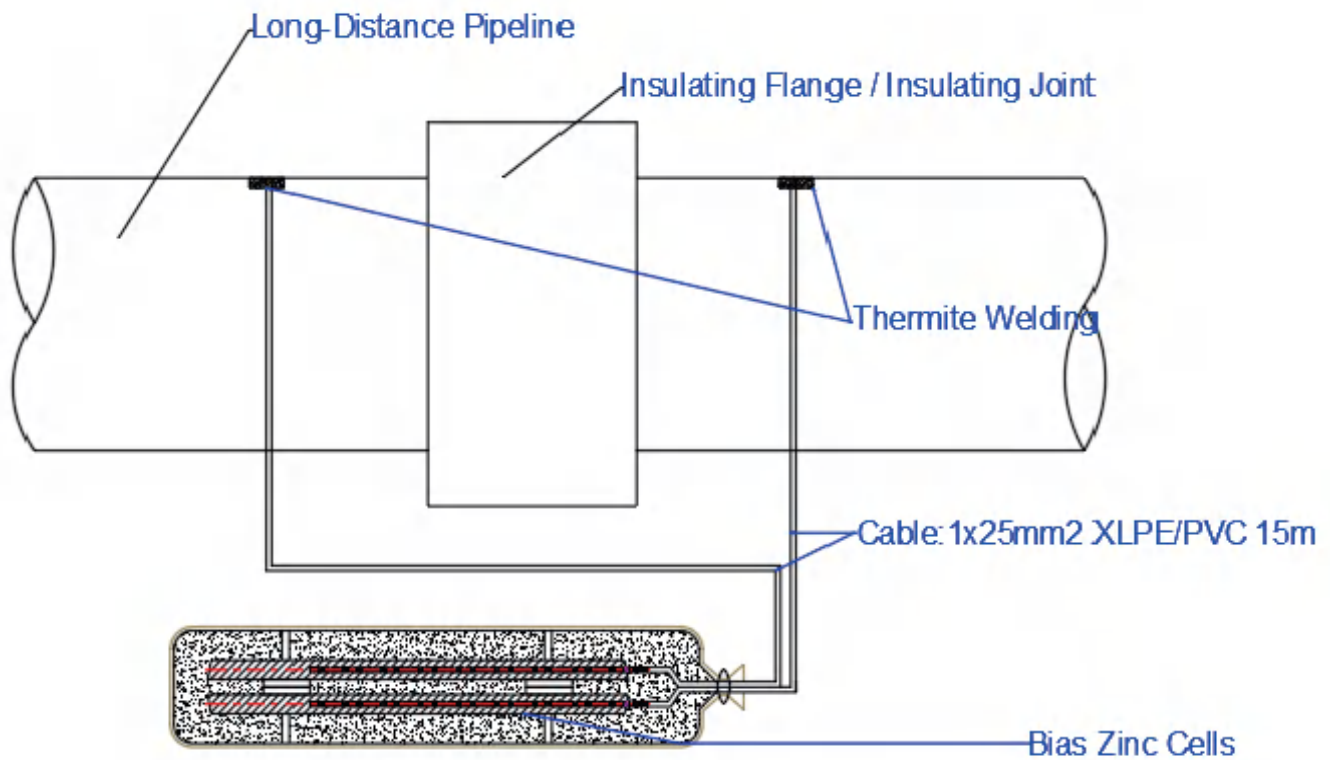
Chemical composition(ASTM-418-type I)						
Element	Al	Cd	Fe	Pb	Cu	Zn
Content(%)	0.1-0.5	0.025-0.07	≤0.005	≤0.006	≤0.005	Remainer

Electrochemical properties(ASTM-418-type I)			
Open voltage(-V)	Closed voltage(-V)	Capacity(A.h/kg)	Efficiency(%)
≥1.05	≥1.0	≥780	≥95

PRODUCT STRUCTURE



■ PRODUCT INSTALLATION



Installation Diagram