

PRODUCTS & COMPLETE SYSTEMS

For Cathodic Protection & AC Mitigation

MATCOR's cathodic protection systems include all components for a complete system including anodes, cables, rectifier/controllers and special components. MATCOR can provide installation drawings and instructions or manage your installation.

IMPRESSED CURRENT LINEAR ANODES

Product	Description	Use
SPL™-FBR-Anode	SPL-Anode packaged in fabric tube and braiding	Pipelines, underground applications
Iron Gopher®	SPL™-FBR-Anode with stainless steel braiding and pulling features	Horizontal directional drilling applications
Concentric Ring Anode System	SPL-Anodes made to be placed in rings. Available as SPL-FBR-Anode and SPL-SandAnode™	Primary use is under above ground storage tanks
SPL™-INT-Anode	SPL-Anode in HDPE housing; special entrance fittings	Internal pipeline cathodic protection System
SPL™-Braid-Anode	SPL-Anode assembly w/o coke backfill in dense braid wrap	Special applications in soil and water
SPL™-HDPE-Anode	SPL-Anode in high density polyethylene housing without backfill	Water environments, concrete
SPL™-V	SPL-V linear anode assembly with an integral vent pipe/watering pipe	Tanks and chlorinated environments

NOTE: All SPL-Anodes use Kynex® connections

UNDERGROUND IMPRESSED CURRENT ANODES

Product	Description	Use
MMP™-Anode	MMO anodes packaged in coke backfill	Underground surface anode beds
Driving Cone Anode	MMO anode in coke backfill with driving cone & heavier container	Installation in soft soils
PL®-Anode	Platinum/niobium anodes packaged in coke backfill	Underground surface anode beds
Bare MMO	Tubes, wire & rod with cables attached	Underground: coke breeze recommended
Graphite Anode	Bare/package in coke backfill; cables attached	Underground surface anode beds
HSCI Anode (High Silicon Cast Iron)	Bare/package in coke backfill; cables attached	Underground surface anode beds

DEEP ANODES & SYSTEMS

Product	Description	Use
DURAMMO® Deep Anode System	Factory assembled, continuous MMO deep anode system with KYNEX® connections. Complete system with coke backfill, bottom weight & return cable	Deep anode installations
MMO Tubular Anode	Individual anodes with cables attached	Deep Anode system: coke, vent pipe, & bottom weights are additional
Graphite Anode	Individual anodes with cables attached	Deep anode beds: coke, vent pipe & bottom weights are additional
HSCI Anode	Individual anodes with cables attached	Deep anode beds: coke, vent pipe & bottom weights are additional
Deep Anode System Casing Kit	Casing kit for the top of the bore hole	Deep anode beds
SuperVent™ Vent Pipe	Non-clogging vent pipe in continuous, one piece lengths	Deep anode beds

AC MITIGATION MATERIALS

Product	Description	Product	Description
The MITIGATOR®	MATCOR linear, packaged AC mitigation system	Decouplers	Molds, charges
Cables	HMWPE, Kynar, Halar, PVC, XLPE, armored, custom for connecting decouplers to grounding	Other grounding material	Copper cable, zinc ribbon anode, zinc grounding cells

Special Note: MATCOR engineering provides AC mitigation modeling and engineering services.

MARINE/WATER ANODES

Product	Description	Use
SEA-BOTTOM Anode™	MMO anode(s) mounted on concrete sled w/cabbling	CP systems for submerged structures
PW™-Anode	MMO or platinum/niobium anodes in protective, rigid, perforated housing for hanging, w/cable	CP systems for docks, piers, piles, sheet piles, large open vessels
PF™-Anode	MMO or platinum/niobium anodes encased in densely braided kynar stranding	High chloride applications, inside of water tanks, water wells, and vessels
SEA-FLOOR™ Anode	Single MMO or platinum/niobium anode in rigid HDPE perforated housing on concrete base w/cable	Medium current output marine CP systems
MATCOR PILE-Anode	MMO or platinum/niobium anodes in nonmetallic housing for direct mount to structure	CP systems for sheet piles, round piles and H-Piles
Custom Anode Sleds	Anode sleds made to client's specifications or designed by MATCOR for unique applications	Marine CP systems
MATCOR Water Well CP System	For extremely deep wells up to 2,000 ft. deep	Proprietary internal well casing CP systems

ABOVE-GROUND STORAGE TANK MATERIALS

Concentric Ring Anode System	The system uses either MATCOR SPL™-FBR-Anodes or the SPL-SandAnode™ System. Includes anode assemblies, reference electrodes & cabling.
SPL-SandAnode™	SPL-FBR-Anode where contact with or close proximity to metal structure exists. For under above ground storage tanks where space is limited
SPL-B™ Replaceable System	For HDD applications under tanks

Water Tanks

System	Description
PF-Anode in hanging configuration	System for water tanks: Anodes hanging from supports. System includes anodes, rectifier, clevis hangers, handhole covers, cabling, reference electrode(s), hardware
PF-Anode in Floating Ring Configuration	System for water tanks: Anode ring floats below water level. System includes anodes, rectifier, weld rings, floats, support roping cabling, reference electrode(s), hardware

PROBE ANODES

Product	Description	Use
MATCOR Probe Anode	MMO or platinum/niobium anode in waterproof pipe type housing	For CP system for internal surfaces such as water boxes and vessels
MATCOR Probe Reference Electrode	Probe reference electrode using Ag/Ag/Cl, zinc, platinum or other electrode elements	For CP system for internal surfaces such as water boxes and vessels

ELEVATOR CP SYSTEM

PLE™-System Impressed current anode system for hydraulic elevators: includes anodes, rectifier reference electrodes, cabling, fittings

REFERENCE ELECTRODES

Product	Description	Product	Description
MATCOR PRC-UG Underground CUSO4 Reference Cell	Permanent reference electrode packaged in prepared backfill	Probe Reference Electrodes	Ag/Ag/Cl, zinc, other for internal monitoring
MATCOR PR-UT Fresh Water Reference Cell	For water tanks and fresh water applications	Underground Zinc	Packaged in prepared backfill
MATCOR Driving Cone Electrode	For installation in soft soils	Custom	For unique applications
Ag/Ag/Cl Marine Electrodes	Permanent and portable types		

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