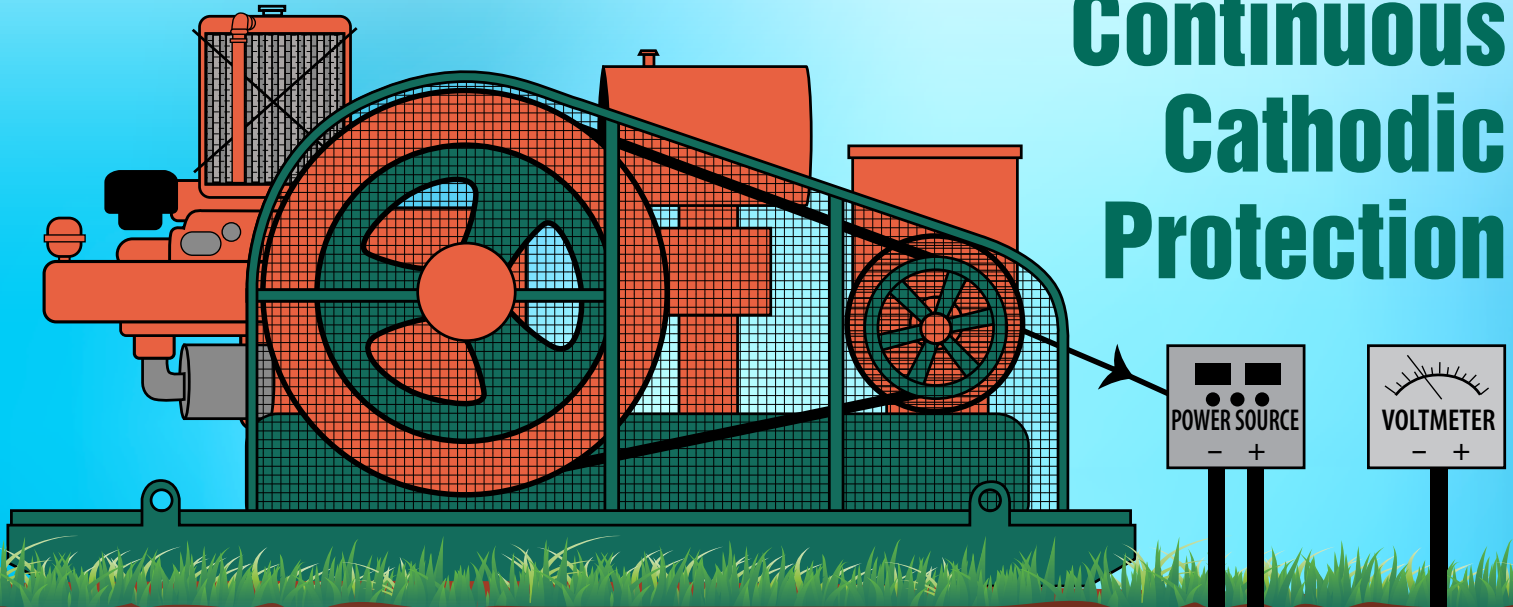


ARROW SINGLE CYLINDER GENSET

Continuous Cathodic Protection



WHAT IS CATHODIC PROTECTION?

Cathodic protection is providing an electrical current to reduce corrosion of metal structures in soil. Gas and oil professionals around the world know that corrosion is a real concern. If the countless miles of pipeline were not protected, the threat of leakage or failure would be greatly increased.

In the United States, the D.O.T. Office of Pipeline Safety states that pipelines operating at certain pressures must have cathodic protection installed. In the corrosion process minute metal particles are carried from the pipeline by a natural current flow, which causes pitting that weakens the pipeline and could result in leakage or pipeline failure. The installation of a cathodic protection system reduces or eliminates corrosion.

ELECTRODE CURRENTS

COATED PIPE (CATHODE)

ANODE

PIPELINE SENSOR

**24/7 continuous
natural gas power**



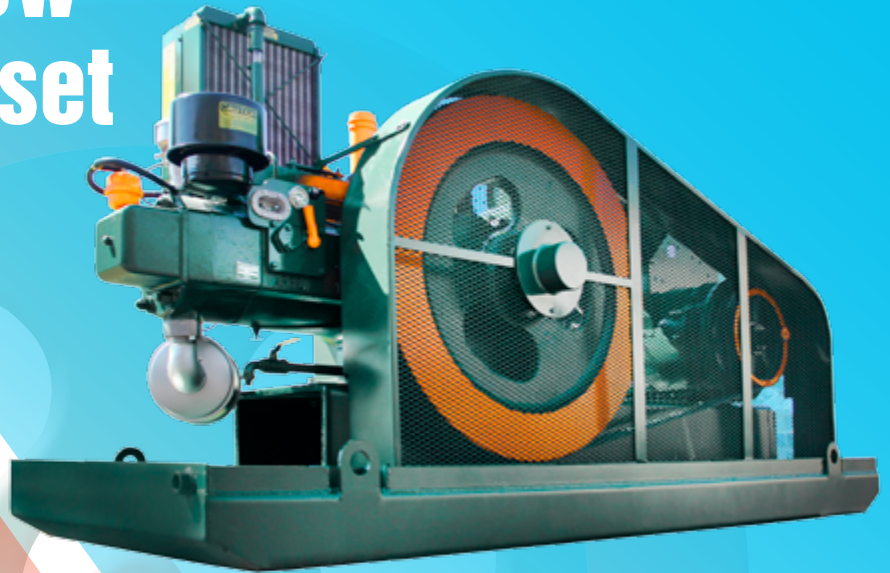
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GENSETCATH-ML-F-NOV16

Arrow C-Series Generator Sets

- Remote area power solution
- Less downtime
- Increased capacity
- Remote start
- Quality products

Arrow Genset



Arrow Autostart



Arrow Single Cylinder Gensets

Engine Model	Output	Engine RPM	Alternator RPM	Fuel Required
C-46 GENSET-AC	5 KW	700	1800	2.2 MCF/D
C-46 GENSET-DC	5 KW	700	1800	2.2 MCF/D
C-66 GENSET-AC	7.5 KW	600	1800	3.0 MCF/D
C-96 GENSET-AC	15 KW	600	1800	4.7 MCF/D
C-106 GENSET-AC	22 KW	700	1800	8.2 MCF/D

Problem Solved



The Arrow Engine Company has a solution to the problem of cathodic protection for remote site locations along gas pipelines. Arrow single cylinder generators "the Arrow GENSET" can be strategically placed along the pipeline, using pipeline natural gas to fuel the GENSET generating the D.C. current onto the pipeline structure. This process of cathodic protection reduces the deterioration of pipelines that carry millions of cubic feet of gas daily.



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