

Is Your Diesel Engine At Risk?



amot

CHALWYN
by AMOT

RODADEACO
by AMOT



Diesel Engine Safety Solutions
Overview



Hydrocarbon Release and Diesel Engine Runaway

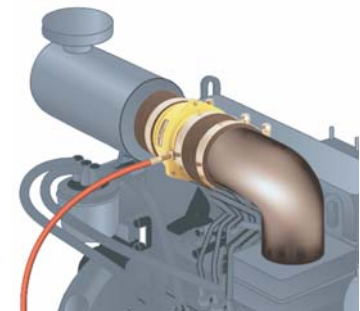
A hydrocarbon release can occur at any time and turning off the ignition will not shut off the engine because it is running on the external fuel source. The diesel engine will continue to accelerate and overspeed or runaway. This will lead to dangerous mechanical failure or explosion.

The most effective way of shutting down a runaway diesel engine is with an air intake shutoff valve system. This system completely blocks the engine intake system, cutting off both the external fuel source and the air required to keep the engine running.

Complete Solutions

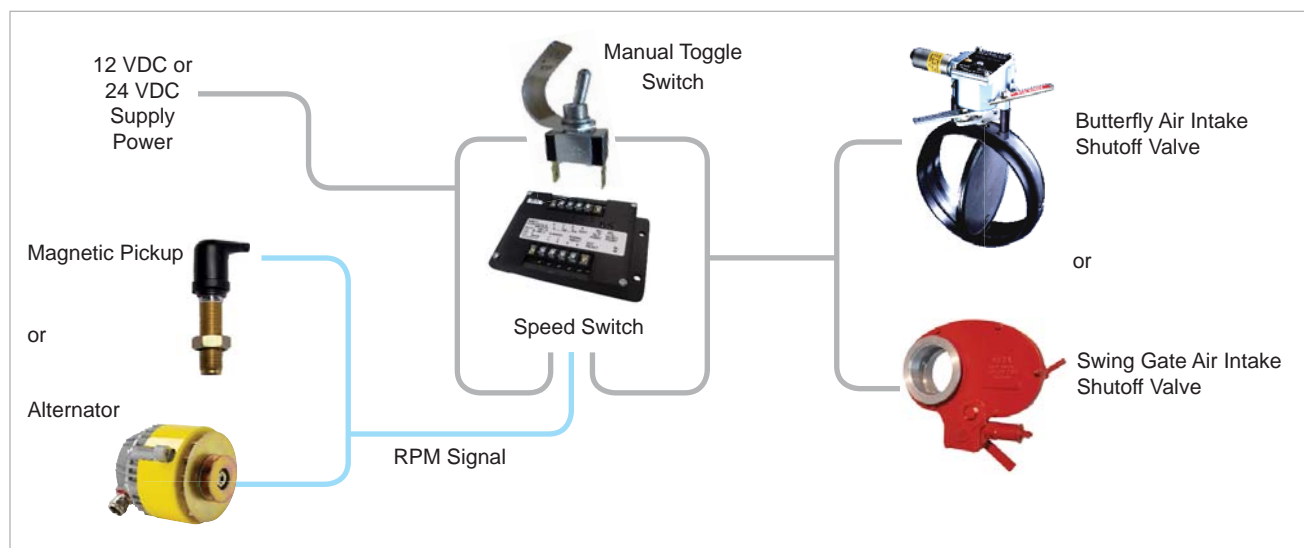
AMOT offers a broad range of diesel engine safety solutions, including AMOT, Chalwyn and Roda Deaco Air Intake Shutoff Valves that provide emergency overspeed shutdown of a diesel engine. AMOT has the solution to meet the specific requirements of each customer.

- Automatic, self-contained valves
- Complete shutdown systems
- Custom engineered valves and systems



Automatic Self-contained Valve

Automatic Shutdown System



Selecting the right Air Intake Shutoff Valve

Selecting the right air intake shutoff valve requires specific information about the application and engine.

Application Type

Environment - Inland / Offshore

Actuation Method

Engine Specifications



Butterfly Valves

Compact, light weight design
Fast acting closure
Anodized aluminum & stainless steel construction



Swing Gate Valves

Compact swing gate design
Fast acting positive spring closure
Wide variety of inlet pipe connections
High temperature options



Hazardous Area ATEX Certified Valves

ATEX Zone 1 IIB T4 applications
Compact, lightweight butterfly design
Fail-safe energize to open and
Energize to close actuation options



Automatic Self-contained Valves

Simple, cost effective design
No power input or speed signal required
Automatic reset after engine stops
Easy to install



Custom Engineered Valves

Design and manufacture shutoff valves to meet specific engine and application requirements



