

Diesel Engine Safety Applications

Protection for Oil & Gas Drilling and Production Facilities

Operating a diesel engine in an area where a hydrocarbon release may occur is highly dangerous. Once the external flammable gas or vapor is being drawn into the diesel engine intake, it may not be possible to stop the engine by turning off the ignition. The engine will continue to rev out of control and overspeed, leading to mechanical failure or explosion. Installing an air intake shut-off valve or system is the best way to prevent diesel engine runaway because it cuts off both the external fuel source and the air required to keep the engine running.



Vacuum Trucks



Construction Equipment



Light Tower



Well Servicing Equipment



Emergency Response Vehicles



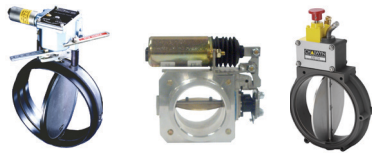
Service Trucks



Tanker Trucks

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
- Fail-safe, energize to open and energize to close actuation options



Automatic Self-contained Valves

- No power input or speed signal required
- Automatic reset after engine stops
- Easy to install



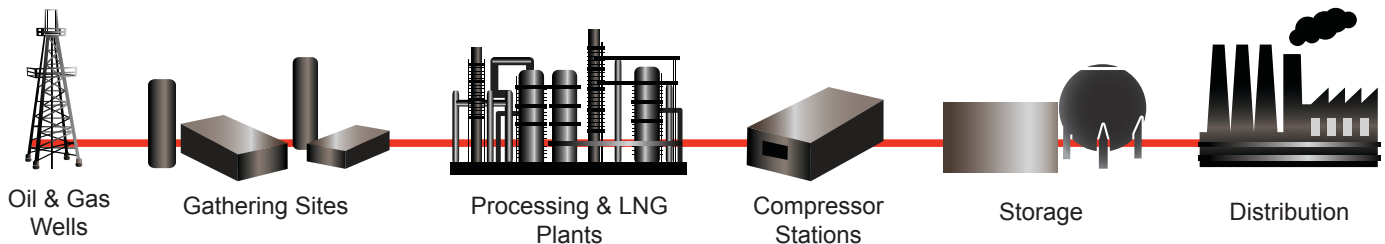
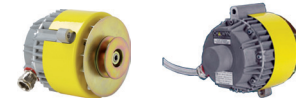
Spark Arrestors

- All 316 Stainless Steel
- ATEX certified and ASTM F2876-10 recommended
- Available from 5hp to 1100hp



Flameproof Alternators

- EExd IIB T4 and EExd I ATEX compliant
- Fits in place of standard alternator
- Standard automotive internal regulation
- Various drive pulley options



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CHALWYN

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