



Diesel Engine Air Intake **ESD System Model E7750-01P**

System Overview

The Diesel Engine Air Intake Emergency Shut-Down (ESD) System Model E7750-01P is a safety control that can be easily adapted to any diesel engine driven plant or machinery. The system provides positive closure of the engine air intake to prevent ingress of combustible products into the engine resulting in a dangerous over-speed situation.

The Model E7750-01P ESD System incorporates a MES Series pneumatically operated butterfly valve installed in the engine's air intake line. Operation of the valve can be interlocked with existing emergency shut-down systems.

Model E7750-01P ESD Systems are designed to fit either 3" diameter or 5" diameter diesel engine air intake lines.

Once operated, the Model E7750-01P ESD System locks-out and must be manually reset by the operator.



Related Products:

Model E7750-01E - Electrically operated knife gate positive close shut-down system.

System Operation:

The Model E7750-01P ESD System uses a compressed air signal to activate the MES Series butterfly valve.

An 11 litre capacity air receiver charged to 750 kPag provides the air supply for the compressed air signal to the MES Series butterfly valve via an electrically operated solenoid valve. A pressure switch is provided upstream of the solenoid valve to prove supply air pressure remains above 500 kPag. Should the supply air pressure fall below 500kPag, an audible alarm and indicator lamp notifies the operator of this situation.

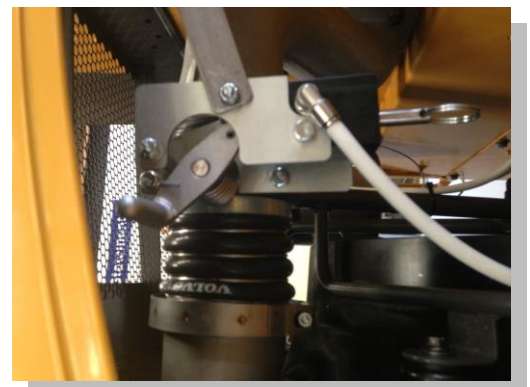
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Model E7750-01P installation