



How To Order

For a complete assembly, order Part No. 310150.

For body only, order Part No. 300150.

For vent valve only, order Part No. 300101.

Trip Valve

Exline Trip Valves are used to protect moving, rotating or oscillating components fitted with Exline Striker Sensors. This durable bronze Trip Valve is also used with Overspeed Safety Equipment fitted with a Centrifugal Plunger. Tripping the valve creates a pressure drop in the control system. That, in turn, automatically shuts down the equipment or triggers an alarm.

The Exline Trip Valve is available for initial installation. You can also use the Exline Trip Valve with existing trip valve systems - no mounting or bracket changes are required. A superior design virtually eliminates the maintenance usually associated with this type of valve. The unique body design permits crankcase oil "flow-through" which minimizes carbon or varnish buildup in the piston area. No "O" rings are used. A reduced cross-sectional area of the trip valve lever reduces the possibility of premature valve tripping due to cold crankcase oil turbulence during "start up."

The stainless steel Vent Valve used to create the pressure drop in a pneumatic system can be easily removed and replaced without disturbing the setting or adjustments of the trip valve body. The Vent Valve uses a Viton™ seal rated at 375° Fahrenheit and has a 1/4" male NPT for connection to the Pneumatic Control System.

Typical Installation:

A bracket is used to mount the Trip Valve directly in line with a Striker Sensor. Clearance is adjusted with the moving component at a stationary point, where normal travel brings the Striker Sensor closest to the Trip Valve. At this point, the trip lever and the Striker Sensor should share a common centerline.

The Trip Valve is then connected to control media by tubing and fittings. Heavy wall brass or stainless steel tubing is recommended. The proper bracket, fittings and other hardware can be supplied by Exline for your particular engine or other installation.

Pneumatic Trip Valve

