WILLIAMS CONTROLS

WM338 SERIES

PRODUCT DESCRIPTION

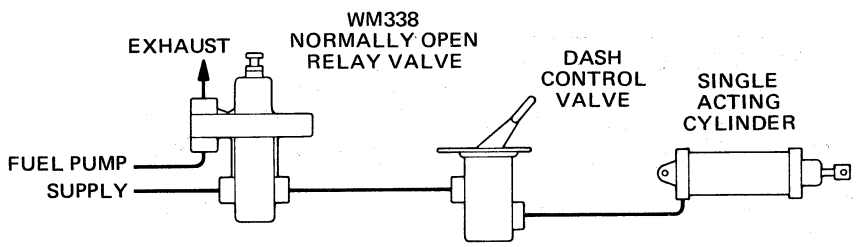
DESCRIPTION The WM338 series valves are normally open, three-way relay valves that close and exhaust with sufficient control pressure. The WM338 series includes non-compensating relay valves and compensating pressure-limiting valves. The compensating models deliver an output pressure proportional to the control signal received.

The control pressure required to close the WM338 valves varies with the different models in the series. Some models are equipped with an adjustment that changes the control pressure at which the valve closes; these models are factory pre-adjusted to close at a specific value. The non-adjustable models will close at a fixed control pressure.

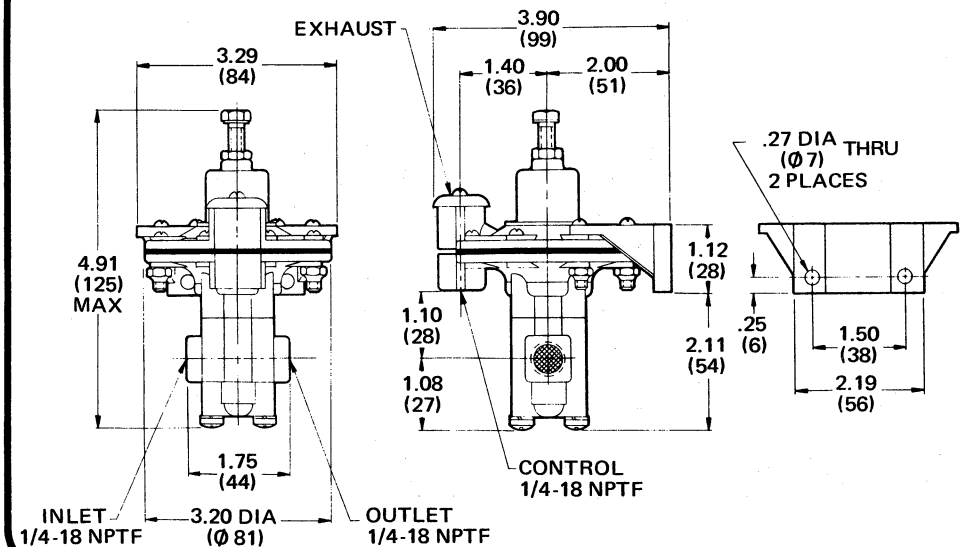
OPERATION When the WM338 valve is in the normally open position, air flows from the supply port to the outlet port. In response to a sufficient control signal, the supply poppet seats and the valve closes. Pressure at the outlet port is exhausted to the atmosphere. The valve reopens when the control pressure drops below the necessary level. If the valve is a compensating model, its output will increase in proportion to the decreasing control pressure.

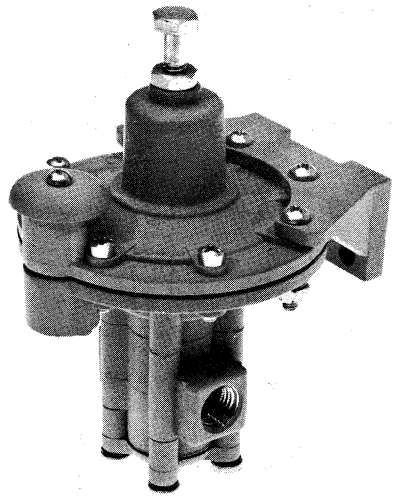
APPLICATION Commonly used in industrial and vehicular applications, these normally open inversion valves close with sufficient hydraulic or pneumatic control pressure. The WM338 relay and pressure-limiting valves are often used because they feature adjustable and preset control pressures.

TYPICAL INSTALLATION



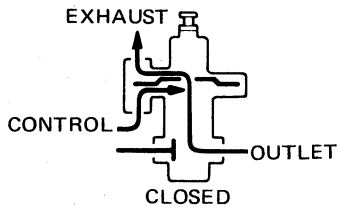
EXTERNAL CONFIGURATION

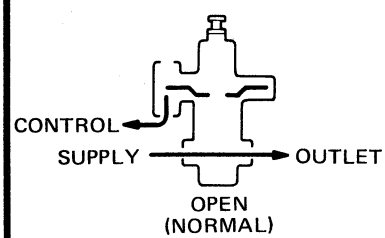




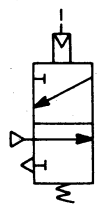
NORMALLY OPEN RELAY VALVE

FUNCTIONAL DIAGRAM





I.S.O. SYMBOL



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