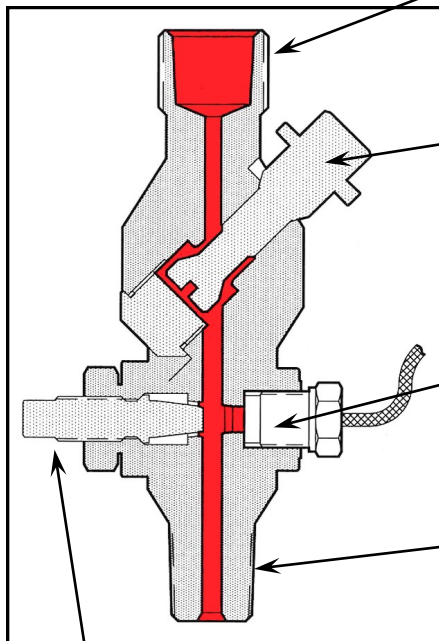


SMV SERIES VALVES ALLOW ONLINE AND MANUAL ENGINE MONITORING WITH NEW FLEXIBILITY

In response to the natural gas pipeline industry's growing interest in continuous, online engine and compressor monitoring, Kiene Diesel Accessories, Inc. has developed the SMV (Sensor Mounting Valve) series of indicator valves. These valves allow a pressure sensor to be installed in the valve where it is exposed to cylinder pressure. The indicator valve can also be used to manually check cylinder pressure at any time without interrupting the monitoring system.

FEATURES AND FLOW PATH OF THE SMV SERIES SENSOR MOUNTING VALVE



INDICATOR CONNECTION:
1 1/16-10 Whitworth, 7° socket accepts all common analyzers and pressure indicators.

INDICATOR VALVE OPERATION:
Indicator valve "opens against and closes with" engine pressure, preventing inadvertent valve opening while engine is operating. *Fast action:* 1-1/4 turns of valve stem, full open to full close.

SENSOR PORT:
Accepts various pressure sensors. Many port configurations are currently available.

ENGINE THREAD:
Many thread sizes and seat arrangements are available.

SENSOR PORT SHUT-OFF VALVE:
Isolates the sensor port from engine pressure. The sensor can be removed for calibration or replacement without shutting down the engine.



GENERAL DESIGN FEATURES:
The indicator connection is in-line with the engine thread. This permits convenient installation and access to the indicator connection and valve stem. Valves have a 1-5/8" turn radius (installation clearance). The SMV is a very compact valve that can be installed virtually anywhere a standard V-Line valve can be installed.

Kiene can produce the SMV Series with any engine thread that is offered on our standard indicator valves, along with a variety of sensor port configurations. Increased use of continuous, online monitoring of gas engines has led to a steadily growing demand for these valves.