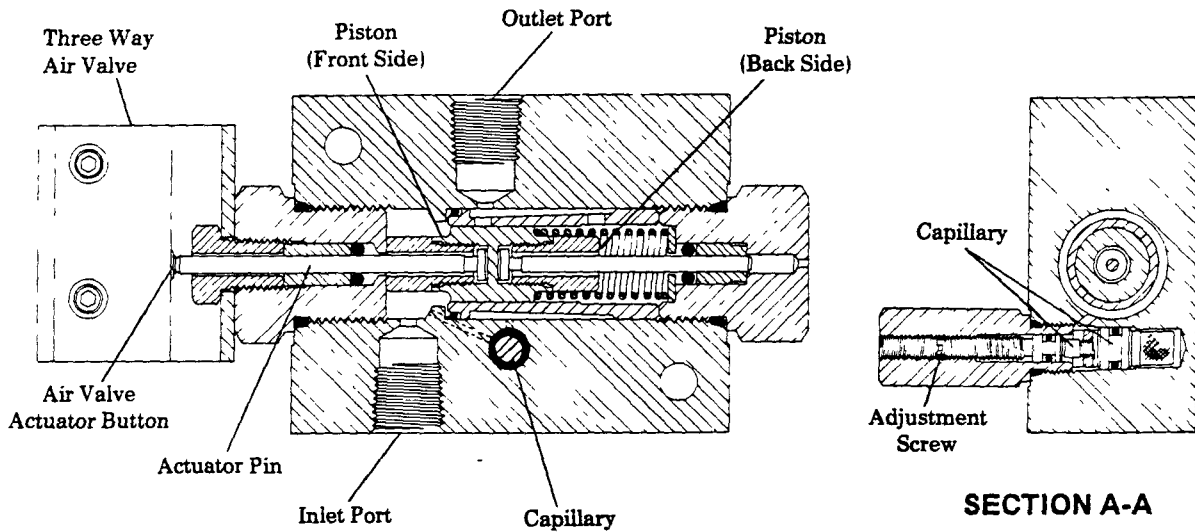


SPECIFICATIONS:

Operating Pressure: 6,000 psi maximum
Air Pressure: 150 psi maximum
Media: petroleum oils - 60 S.U.S. to 3,000 S.U.S.

Adjustment Range: 1 to 2 minutes
Minimum Fluid Flow Rate: .060 cu. in./min. at time delay setting of 90 seconds



NOTE
The No-Flow Valve should be mounted with the outlet port on top for ease of purging air from system.

APPLICATION

The Model 87862 No-Flow Valve is a device that primarily monitors lubrication systems by sensing the flow of the lubricant, and eliminates the need for explosion proof electrical components when used in hazardous locations. Upon a no-flow condition, the no-flow valve actuates a three way air valve which can divert or exhaust the air supply to provide a pneumatic signal or engine shutdown.

OPERATION

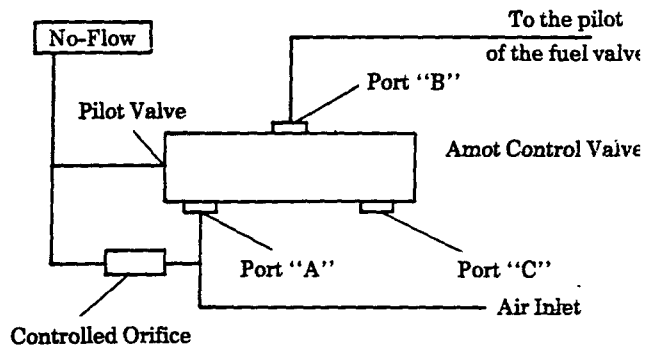
The fluid entering the valve pushes against the front side of the piston opening the outlet port, allowing the fluid to exit the valve. The piston movement retracts the actuator pin and closes the three

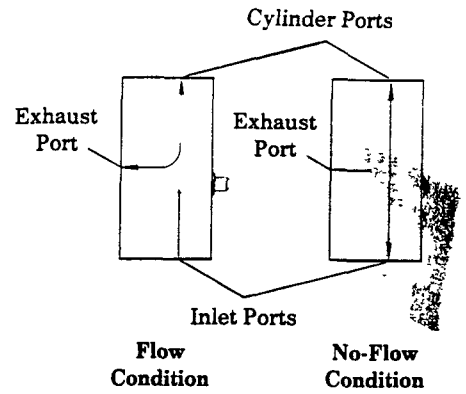
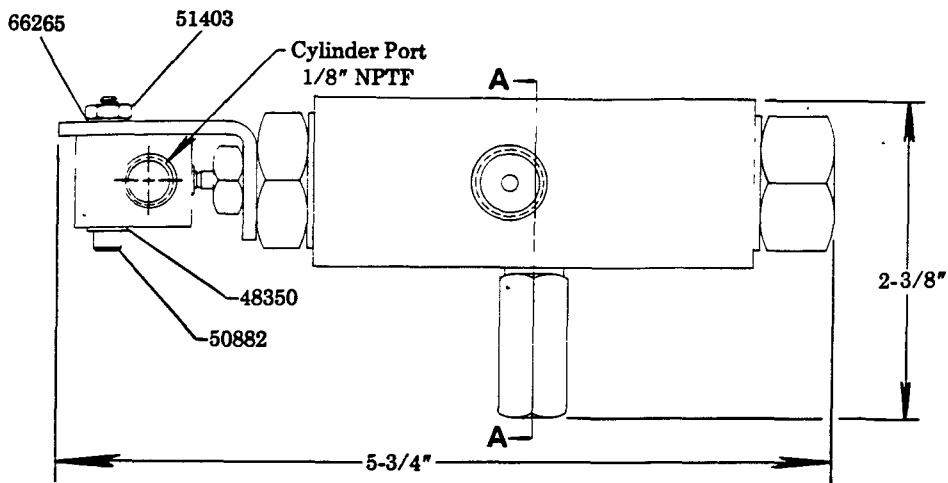
way valve, blocking the air flow through the valve. When fluid flow ceases, the spring forces the piston forward, closing the outlet port, and forcing the trapped fluid to pass around the controlled clearance fit of the piston and down through the capillary, to the back side of the piston. When the piston has completed its forward motion, the actuator pin contacts the air valve actuator button opening the three way air valve. The time delay (interval between the fluid flow ceasing and the three way air valve opening) is controlled by the capillary adjustment screw and can be adjusted for minimum time delay of one minute to a maximum of two minutes. Turning the adjusting screw clockwise lengthens the time delay; counter-clockwise shortens the time delay.

NO-FLOW USE IN CONJUNCTION WITH AN AMOT CONTROL VALVE

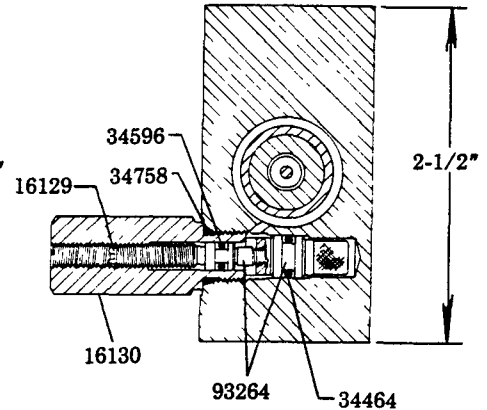
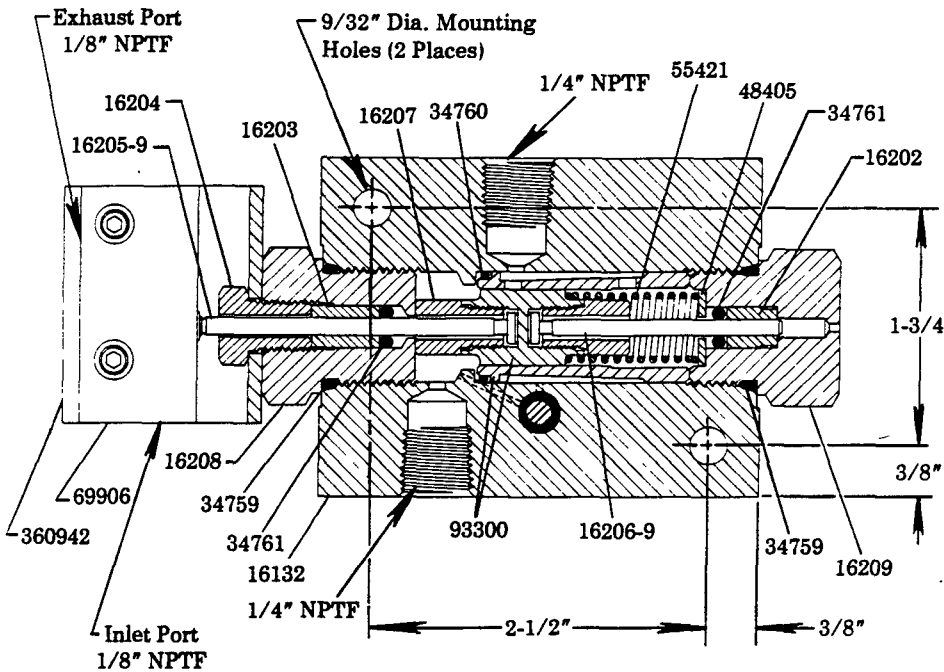
The three way air valve included with the 87862 No-Flow Valve is designed for low flow rate applications (6 SCFM at 100 PSI). An Amot Control Valve (Model 4057 CG or 4057 CM) or equivalent, should be used in conjunction with this no-flow valve for higher flow rate applications. A typical installation is shown.

Air pressure is kept constant between the pilot valve of the Amot Control and the three way air valve of the no-flow by an air line with a controlled orifice. The air pressure at Port "A" is connected to Port "B" as long as air pressure is being applied to the pilot valve. When a no-flow condition occurs, air pressure is relieved from the pilot valve through the three way air valve of the no-flow. Port "A" becomes blocked and Port "B" is connected to Port "C", thus exhausting air from the air line normally holding fuel valve open.





THREE WAY AIR VALVE



SECTION A-A

SERVICE PARTS

PART	QUAN.	DESCRIPTION	PART	QUAN.	DESCRIPTION
16129	1	Adjustment screw	34759	2	O-ring
16130	1	Adjustment housing	34760	1	O-ring
16132	1	No-flow body	34761	2	O-ring
16202	1	Bearing	48350	2	Washer
16203	1	Bearing	48405	1	Washer
16204	1	Bearing retainer	50882	2	Screw
16205-9	1	Actuator pin	51403	2	Nut
16206-9	1	Compensator pin	55421	1	Spring
16207	2	Pin retainer	66265	2	Lockwasher
16208	1	Piston stop	69906	1	Three way air valve
16209	1	Sleeve retainer	93264	1	Capillary assembly
34464	1	O-ring	93300	1	Piston & sleeve assembly
34596	1	O-ring	360942	1	Mounting bracket
34758	1	O-ring			

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number, and Series Letter.
LINCOLN ST. LOUIS provides a Distributor Network that stocks equipment and replacement parts.