

SV FLOW CONTROL INLET SECTION

SVIFXXX

PORT SIZE

- 1- Side and End Inlet #10 SAE ORB
- 2- Side and End Inlet #10 SAE ORB, with #8 SAE ORB External EF Circuit

RELIEF VALVE

- 1- No Relief
 - 2- Direct acting non-adjustable 500-1500 psi set at 1000 psi*
 - 3- Direct acting non-adjustable 1500-3000 psi set at 2000 psi*
 - 4- Direct acting adjustable 500-1500 psi set at 1000 psi*
 - 5- Direct acting adjustable 1500-3000 psi set at 2000 psi*
- *for other settings please specify, i.e. SVIF15P12Q-2700 is set at 2700 psi

SOLENOID OPTION

- Omit for Flow Control Option M
- 12Q-12VDC Double Spade Coil
- 24Q-24VDC Double Spade Coil
- 12H-12VDC DIN 43650 Coil
- 24H - 24VDC DIN 43650 Coil
- 12L-12VDC Double Lead Wire Coil
- 24L - 24VDC Double Lead Wire Coil
- 12W - 12VDC Double Lead Wire w/ Weatherpak Connector Coil
- 24W - 24VDC Double Lead Wire w/ Weatherpak Connector Coil

FLOW CONTROL OPTION

- M- Manual Flow Control
- P- Electro-Proportional
- U- Solenoid Unloading

The SVIF Flow Control Inlet is interchangeable with the standard SV inlet section.

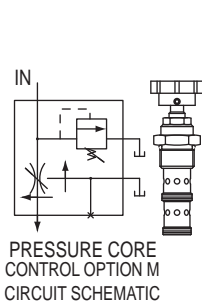
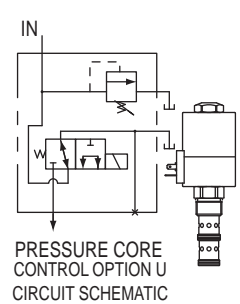
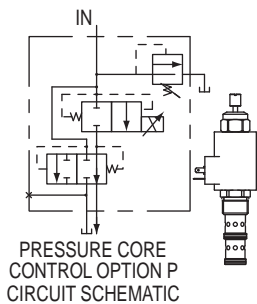
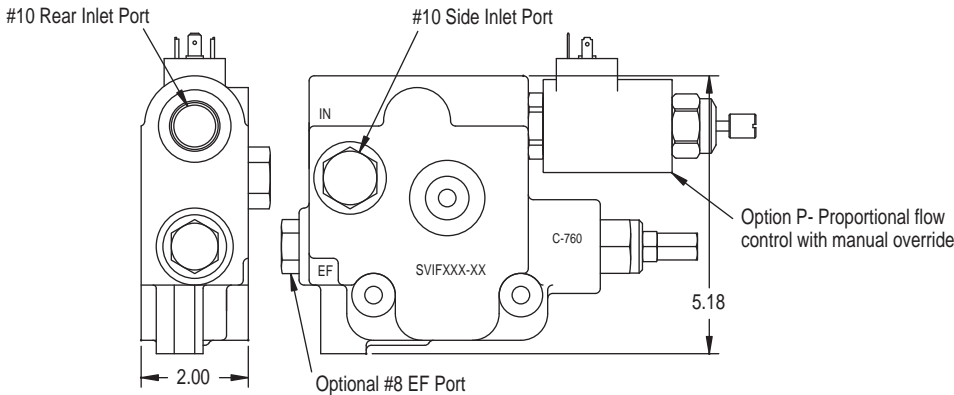
FLOW CONTROL OPTIONS:

P OPTION incorporates a solenoid operated, electrically variable pressure-compensated flow control cartridge. With the solenoid de-energized, all of the inlet flow is diverted to the tank core/EF port. By increasing the current through the solenoid, the flow directed to the power core and downstream sections will be proportionally increased, (the maximum rating of the cartridge is 16 gpm at 1500 mA) Control current is normally provided via a controller card providing, a PWM signal.

U OPTION incorporates a solenoid operated, unloader cartridge. With the solenoid de-energized, all of the inlet flow is diverted to the tank core/EF port. With the solenoid energized all the inlet flow is directed to the power core and downstream sections.

M OPTION incorporates a manually operated pressure-compensated flow control cartridge. With the control knob turned fully in (clockwise), all of the inlet flow is diverted to the tank core/EF port. By turning the flow control knob counter clockwise, the inlet flow directed to the power core and downstream sections is proportionally increased. Approximately 5 revolutions varies flow from no flow to full flow,

PORT OPTION 2 The flow being directed to the tank core/EF port may be utilized by a second circuit by inserting a 1/4 pipe plug into the tank core passage on the seal side of the casting and then connecting the EF port to the second circuit.

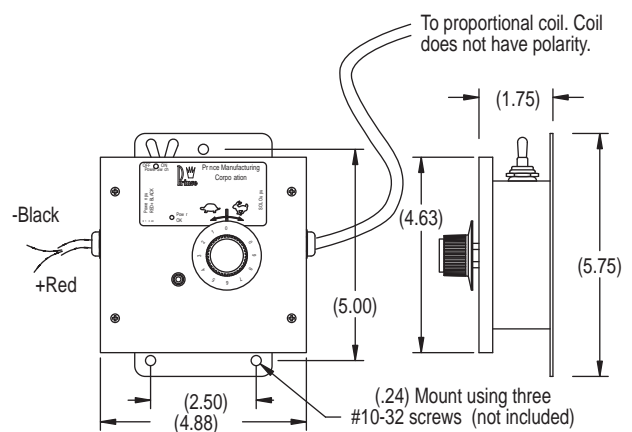


PROPORTIONAL CONTROLLER BOX (for use with SVIFP flow control inlet), PART NO. 67130048

The proportional controller box is used to provide an adjustable electrical signal to a proportional solenoid on the SVIFP inlet. Once the dial is set, the regulated flow through the valve should remain approximately constant regardless of pressure. Within the operating range, flow varies approximately linearly with dial rotation.

CONNECTIONS AND OPERATION:

- *Connect leads to the power supply and solenoid. Power supply should be between 9 and 32 VDC.
- *With the power off, the inlet flow is directed to the tank (or excess flow port).
- *To provide power to the control, move the power switch to ON. (Green LED is ON when control is powered).
- *Minimum flow is directed into the valve when 0 on the dial is aligned with the center mark. Maximum flow is directed into the valve when 10 on the dial is aligned with the center mark.
- *Clockwise rotation increases flow.
- *Typically, no adjustments are needed for operation, (I-min and I-max pots are preset for the normal maximum and minimum flows)



Control comes with 6 ft of cable for power leads and 6 ft of cable for coil leads. Control box protection rating is IP67.

VALVES