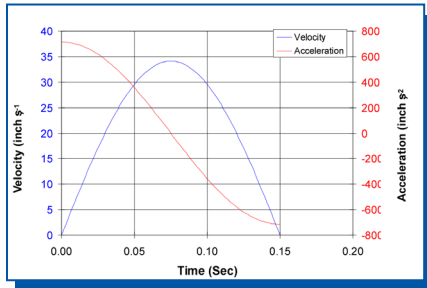


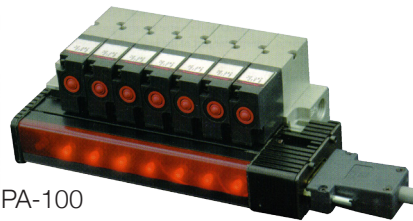
Shutters and Controllers

Description

SVT Associates Linear Magnetically Coupled Shutter is installed on a 4½" CFF or 5" X 2" Rectangular Flange. The Linear Pneumatic Shutter is mounted on a 4½" CFF. The Rotary Bellow Coupled Shutter is mounted on a 1½" CFF source port. Please contact an SVT Associates Sales Representative for additional details. Custom Flange sizes are available.

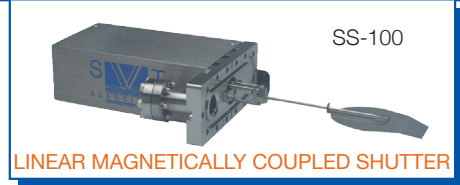


- <150 msec Open/Close Actuation at 3"
- Soft Action – Minimizing Mechanical Shock
- Pneumatically Actuated – Requires only 10-15 psi
- 3" Standard Stroke – Can be Adapted for Many Different Lengths
- Linear Magnetically Coupled
 - Eliminates Need for Bellows
 - Increases Lifetime
 - Lowers Particle and Outgassing Levels
- Refractory Metal Blades and Shafts in "Hot" Area of stroke



PA-100

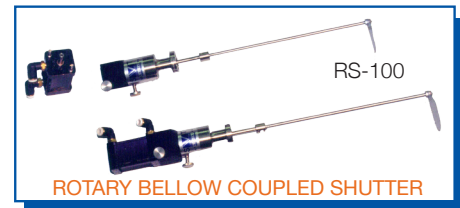
- Modular Design Allows Exact Number of Solenoids Needed
- Pressure Regulation at Manifold For Convenient Operation



LINEAR MAGNETICALLY COUPLED SHUTTER



PNEUMATIC LINEAR SHUTTER



ROTARY BELLOW COUPLED SHUTTER

SVT Associates SC-100 and SC-200 controls up to 12 Shutters through the front panel switches with integral output to pneumatic valve manifold. The SC-100 is manually controlled and SC-200 is an automatic computer programmable shutter controller.

Shutter Controller Specifications

Power	100-240 VAC 1A 50/60 Hz
Main Fuse	2A Slow Blow Fuse – Type 313
Physical Dimensions	3U (5¼") Tall 19" Rack Mountable Enclosure 19" x 12" x 5¼" (49 cm x 31 cm x 14 cm)

SC-200 SPECIFICATIONS

SC-200 Control Output	4, 8, or 12 Channels 24 VDC – 0.2A per Channel 25 Pin Female D-Sub Connector
TTL Output (Optional)	15 Pin Female D-Sub Connector
Digital Communications	RS-232 or RS-485 9 Pin D-Sub Connector
Weight	10 lbs (4.5g)

SC-100 SPECIFICATIONS

SC-100 Control Output	12 Channels – 24VDC 0.2A per Channel Channels 9-12 have Optional Interlock Control 25 Pin Female D-Sub Connector
Remote Control Interface	Individual Channels can be configured to be controlled by a user supplied external switch
Weight	6 lbs (2.7kg)

