

# PNEUMATIC SEQUENTIAL VALVE GATE CONTROLLER



The SVG controller provides the user with full control over valve gate flow sequence, critical when molding complex or large parts. All SVG controllers feature the **NEW** APS (Adaptive Process System) technology providing faster processing and response speed.

## BENEFITS

- The sequential valve gate technology is integrated in a precise hot runner control unit with all available features or stand alone unit
- SVGP systems are air cooled & energy efficient
- Designed to easily connect to any valve gate system
- Precise filling control with performance graphs displaying time and position, with up to 4 steps per cycle
- (2) digital and analog triggers for 2-shot applications

## CONFIGURATION

- Pin position feedback for gate open /close confirmation
- Automatic and manual mode for individual gate control
- Absolute and incremental timer selections
- Single or dual acting solenoid valves for gate activation, valve banks re-locatable
- Calibrate analog signals for position, pressure and volumetric settings
- Reconfigure pin position feedback inputs for 12 additional sequences
- 500 or 1000 Watt 24VDC power supply - Standard 220V single phase (185-245V range) or Optional 480V three phase



SVGP



SVGPC

ITEM NUMBER	DESCRIPTION	INCLUDES
SVGP2	2 ZONE PNEUMATIC	SVG12 HMI, 1-2 SOLENOID VALVE BANK
SVGP4	4 ZONE PNEUMATIC	SVG12 HMI, 1-4 SOLENOID VALVE BANK
SVGP6	6 ZONE PNEUMATIC	SVG12 HMI, 1-6 SOLENOID VALVE BANK
SVGP8	8 ZONE PNEUMATIC	SVG12 HMI, 1-8 SOLENOID VALVE BANK
SVGP12	12 ZONE PNEUMATIC	SVG12 HMI, 2-6 SOLENOID VALVE BANKS
SVGPC2	2 ZONE COMPACT PNEUMATIC	SVG12C HMI, 1-2 SOLENOID VALVE BANK
SVGPC4	4 ZONE COMPACT PNEUMATIC	SVG12C HMI, 1-4 SOLENOID VALVE BANK
SVGPC6	6 ZONE COMPACT PNEUMATIC	SVG12C HMI, 1-6 SOLENOID VALVE BANK
SVGPC8	8 ZONE COMPACT PNEUMATIC	SVG12C HMI, 1-8 SOLENOID VALVE BANK
SVGPC12	12 ZONE COMPACT PNEUMATIC	SVG12C HMI, 2-6 SOLENOID VALVE BANKS

If you do not see the number of controlled zones required in the table above please contact us.

## Optional Accessories

ITEM NUMBER	DESCRIPTION
ITSPTROLLEY	STAND
PNEUPP	PNEUMATIC POWER PACK 500 PSI



Stand



Pneumatic Power pack

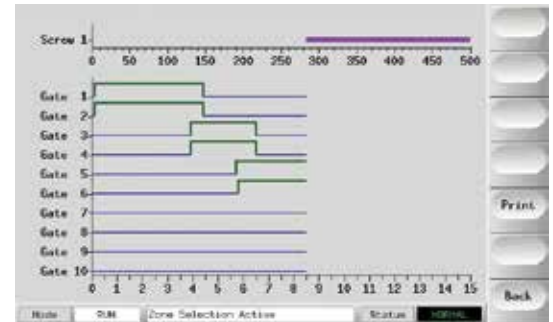
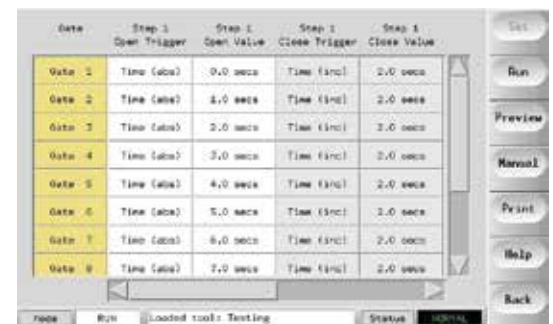
## KEY TECHNICAL FEATURES AT A GLANCE

- Digital outputs – fused at 2 amps
- Digital inputs - pin position back/forward
- Integrated 24 VDC power supply to drive valve gate solenoids
- 7" color touch screen on standalone controller
- Controls single or dual coil solenoid valves
- Real time valve status graph
- Configurable Easy View status page
- **NEW** SVG Power pack combines hot runner control, SVG, hydraulic power pack and solenoid valve bank all in one package

## PROGRAMMABLE TRIGGERS & ALARMS

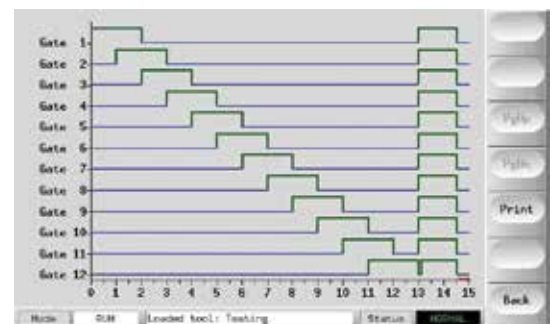
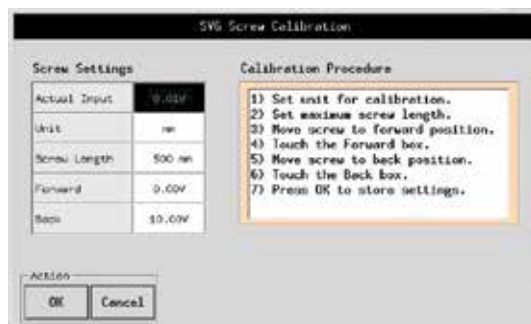
- Digital input – sequence start trigger
- Digital input triggers – programmable sequence triggers
- (2) Analog inputs 0-10 volts
- Analog input 4-20ma
- Remote enable signal – from IMM
- Fault relay output (dry contact) – to IMM
- Dry contact or 24VDC input triggering

Controller includes 15ft (4.8m) cables

Gate	Step 1	Step 1	Step 1	Step 1
	Open Trigger	Open Value	Close Trigger	Close Value
Gate 1	Time (secs)	0.0 secs	Time (secs)	2.0 secs
Gate 2	Time (secs)	2.0 secs	Time (secs)	2.0 secs
Gate 3	Time (secs)	2.0 secs	Time (secs)	2.0 secs
Gate 4	Time (secs)	3.0 secs	Time (secs)	2.0 secs
Gate 5	Time (secs)	4.0 secs	Time (secs)	2.0 secs
Gate 6	Time (secs)	5.0 secs	Time (secs)	2.0 secs
Gate 7	Time (secs)	6.0 secs	Time (secs)	2.0 secs
Gate 8	Time (secs)	7.0 secs	Time (secs)	2.0 secs

The screenshot also shows control buttons like 'Run', 'Preview', 'Manual', 'Print', 'Help', and 'Back' on the right side.

The 'SVG Screw Calibration' screen is divided into two main sections:

- Screw Settings:**
  - Actual Input: 9.00V
  - Unit: mm
  - Screw Length: 500 mm
  - Forward: 0.00V
  - Back: 10.00V
- Calibration Procedure:**
  - 1) Set unit for calibration.
  - 2) Set maximum screw length.
  - 3) Move screw to forward position.
  - 4) Touch the Forward box.
  - 5) Move screw to back position.
  - 6) Touch the Back box.
  - 7) Press OK to store settings.

Buttons for 'OK' and 'Cancel' are located at the bottom left.



This screenshot shows a control interface for 12 gates. Each gate has a status indicator (e.g., 'CLSE', 'OPEN') and a corresponding control button. The status bar at the bottom shows 'Loaded tool: Testing' and 'Status: NORMAL'.