



SPCS - Servo Pneumatic Control System with Software Setup

The updated SPCS provides a robust solution to accurate closed loop pneumatic positioning. Easily installed and software configured, this servo pneumatic control provides positioning accuracy up to $\pm 1\%$ of the actuator's full stroke with loads up to 225 lbs and average velocity as high as 20 inches per second. Use the SPCS with any of Bimba's position feedback actuators (PFC, PFCN, PTF) bore sizes 1-1/16" thru 3", or actuators with external feedback sensors, to create a solution to your motion control application.

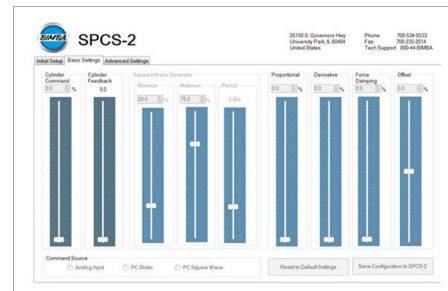
How to Order

Part Number	Description	List Price
SPCS-2	Servo Pneumatic Control System	\$925.00
SPCS-CBL-PWR-CMD	2 Meters Female/Strip Wire	\$42.00
SPCS-CBL-FBK	2 Meters Female Connector Both Ends	\$49.75
SPCS2-USB-CBL	2 Meter USB Setup Cable	\$22.25



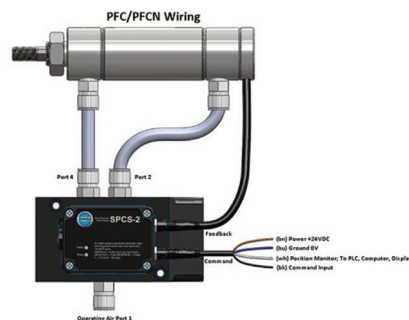
Software Configured Setup Including:

- Linear, rotary or rodless actuator selection
- 0-10VDC or 4-20mA command feedback selection
- Response, overshoot, force and orientation adjustments
- Effective rod extend and retract control along with ramp up and ramp down speed adjustments
- Square wave generator to simulate performance



Easy Connection

- Standard power, control and feedback cables
- No manual switch or jumper tuning
- IP65 compatible





Application Sizing

Horizontal Applications

Bore Size	Average Velocity Without Overshoot @ Max Payload [in/sec]	Maximum Payload [lbs.]	Average Velocity @ 50% Max Payload [in/sec]	Average Velocity @ 25% Max Payload [in/sec]
09	20	50	20	30
17	10	100	20	30
31	15	200	20	30
50	15	315	25	30
70	15	450	20	20

Vertical Applications

Bore Size	Average Velocity Without Overshoot @ Max Payload [in/sec]	Maximum Payload [lbs.]	Average Velocity @ 50% Max Payload [in/sec]	Average Velocity @ 25% Max Payload [in/sec]
09	70	5	100	100
17	70	10	60	60
31	50	30	40	60
50	15	95	30	30
70	20	135	20	20

Complimentary Bimba Products to Create a Closed Loop Pneumatic Motion Control Solution

- PFC – Linear resistive position feedback cylinder
- PFCN – Non-contact magnetostrictive sensor position feedback cylinder
- PFCL and PFCNL – Rod lock models of the above cylinders. The rod lock activates and holds the cylinder in place in the event operating air is lost.
- PTF – Rotary potentiometric feedback
- 0.5 µm particulate
- 0.3 µm coalescing filter

BIM-SPCS2-913

Leaders in Actuation.

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