

SPCS-2 Servo Pneumatic Control System with Software Setup

The updated SPCS-2 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-2 with any of IMI Bimba's position feedback actuators (PFC, PFCN, PTF) bore sizes 1-1/16" through 3", or actuators with external feedback sensors, to create a solution to your motion control application.

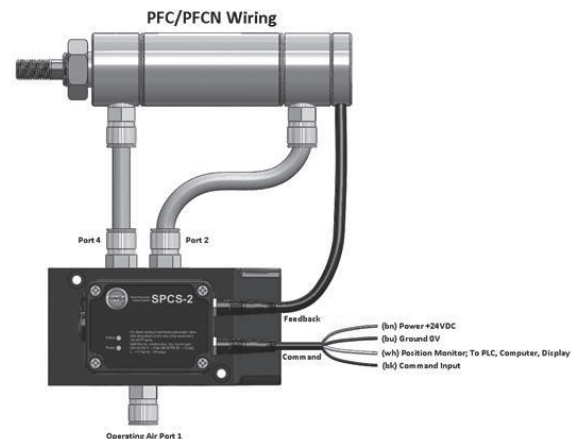


Software Configured Setup Including:

- 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



SPCS-2 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 IMI 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
- 5 μ m particulate
- 0.3 μ m coalescing filter

The model number of SPCS servo pneumatic control systems and supporting parts are non-configurable. Use the ordering information below to select a valid part number. Contact IMI Bimba at cs@bimba.com for additional information and customization options.

Part Number	Description
SPCS-2	Servo Pneumatic Control System
SPCS-CBL-PWR-CMD	2 Meters Female/Strip Wire
SPCS-CBL-FBK	2 Meters Female Connector Both Ends
SPCS2-USB-CBL	2 Meter USB Setup Cable