

# SPC4000 QUICK-START GUIDE

## **STEP 1: UNPACK & INVENTORY**

Remove the SPC4000 from the box. Make sure all the contents listed below are included. Report cases of missing contents or visible damage to Scanivalve Corp before proceeding.

- 1) SPC4000 Calibrator
- 2) Pneumatic Logic Unit (SPCPLU)
- 3) Rack Mount Fixture
  - Main rack mount assembly
  - Foam padding
  - Mounting hardware (6 #10x1/4" screws)
- 4) Certificate of calibration
- 5) Digital Out cable 155662-01 (1 or 2)
- 6) Power Cord
- 7) Swagelok® to bulge-tube adaptors (1/8" & 1/16")
- 8) Helical spring-clamps (1/8" & 1/16")
- 9) Nylon tubing (25' - 1/8"; 25' - 1/16")
- 10) PressCal installation CD
- 11) SPC4000 Resource CD

## **STEP 2: ASSEMBLE THE RACK MOUNT**

- 1) Place the SPC4000 in the rack mount fixture, carefully aligning the feet in the indexing cutouts.
- 2) Place the foam padding on top of the SPC4000
- 3) Place the SPCPLU on top of the foam pad. Gently press down on the SPCPLU to align the six (6) mounting holes and install the six (6) #10x1/4" mounting screws in the SPCPLU.

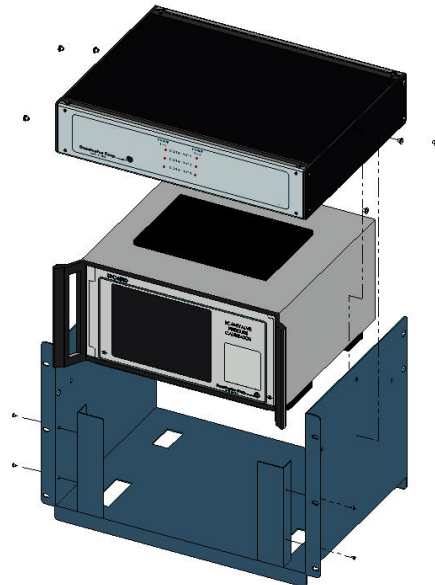
## **STEP 3: DIGITAL OUT CABLES**

Connect the end of the supplied digital out cable(s) to the connectors marked "Digital Out" on both the SPCPLU and the SPC4000.

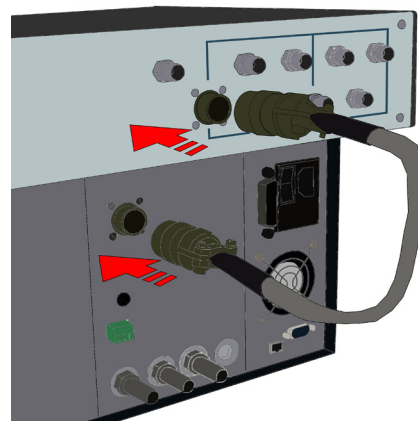
**FIGURE 1: SPC4000 CALIBRATION SYSTEM**



**FIGURE 2: ASSEMBLING THE RACK MOUNT.**



**FIGURE 3: DIGITAL OUT CABLES**



## **STEP 4: CONNECT THE POWER CABLE**

Connect the power cable to the back of the SPC4000 calibrator. The SPC4000 calibrator accepts 100-240 VAC, 47-63 Hz, 75VA maximum.

## **STEP 5: CONNECT THE PNEUMATIC CONNECTIONS**

Connect all necessary pneumatic connections to the SPC4000 and SPCPLU. If using the supplied 1/4" Swagelok® to bulge-tube adaptors, reference Figure 5 on how to make the connections. Otherwise, Scanivalve X-lok fittings or Swagelok® nut and ferrules can be used. Reference drawing 82009 for the pneumatic system schematic and the SPC4000 manual for a detailed description of each pneumatic port.

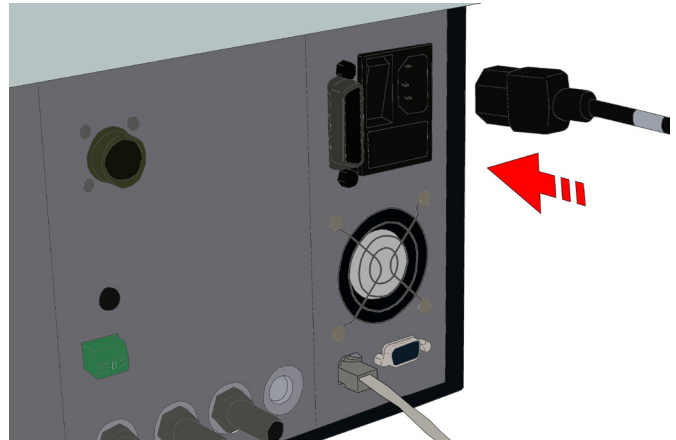


**CAUTION!** All pneumatic connection must be completely leak tight. Pressure test the system after all connections are made.

## **STEP 6: VERIFY OPERATIONS**

Turn the power on to the SPC4000 with the switch on the back of the calibrator. Before performing a calibration with the SPC4000, ensure that the system is operational and leak-tight using the procedure found in **Section 3: Installation** of the manual. For details on the setup and operation of remote communications (serial or Ethernet), reference **Section 4: Remote Operations** in the SPC4000 manual.

**FIGURE 4: CONNECTING THE POWER CABLE**



**FIGURE 5: PNEUMATIC CONNECTIONS**

