



## SPV700EC DATASHEET

### Air Compressor Pump for Bubbler Applications

The SPV700EC(AC) is a compact, oil free, low maintenance compressor designed for applications that require a continuous duty quiet pump for medium pressure and medium suction power, high chemical, and heat resistance. Typical applications include autoclaves, airbrush, gas monitoring, medical lab equipment and bubbler level control systems. Design features include a motor shaft with multiple ball bearings, optimum noise/vibration reduction with rubber sheathed ball bearings, shock absorbers and standard filters.



### Technical Specifications

- **Manufacturer:** Schwarzer Precision Pumps
- **Configuration:** Pressure or Vacuum
- **Connecting Type:** 5 mm (.0164 inches) inner diameter
- **Dimensions:** 138 mm (5.43 in) x 104 mm (4.09 in) x 71 mm (2.80 in)
- **Weight:** 1015 g or 2.24 lbs
- **Thermal Protection:** 110 degrees C or 230 degrees F
- **Pump Head:** PPS or nylon
- **Elastomers:** Viton
- **Seal:** Silicone
- **Motor Type:** Shaded Pole
- **Current Draw:** 36 watts
- **Power Consumption:** 115V/60 Hz/740mA
- **Weight:** 2.24 lbs
- **Electrical Connections:** Quick Connect
- **Pneumatic Connections:** Air Inlet (5 mm ID hose nipple), Air Outlet (5 mm ID hose nipple)
- **Pneumatic Performance (based on 115V, 60 Hz)**  
All of the following ratings are +/- 15%.
  - **Air Flow:** .24 cfm @ 0 psig
  - **Free Flow:** 7.0 liters per minute
  - **Pressure Side Flow at 500 mbar (7.25 psi):** 4.8 liters per minute
  - **Maximum Pressure/Vacuum:** 1500 mbar (21.76 psi)/800mbar(23.624 IN hg)
  - **Vacuum Side Flow at -260 mbar (-3.77 psi):** 4.4 liters per minute
- **Mounting Information:** Fittings and a bracket must be supplied with the SPV770EC(AC) air compressor unit.
- **Accessories:** Shock Absorbers, Mounting Bracket, Bubbler Kit (for liquid level applications only)