

Tables & Breadboards

ScienceDesk™

Breadboards

Breadboard
Supports

Optical Tables

Table Supports

Non-Magnetic

Vibration Isolation Accessories



Specifications

- **Air Pressure:** 825kPa (120psi) Maximum
- **Air Delivery:**
 - for 115 VAC/60Hz Version at 0kPa (0psi): 20ℓ/min (0.7cfm) at 825kPa (120psi): 13ℓ/min (0.45cfm)
 - for 220VAC/50Hz Version at 0kPa (0psi): 17ℓ/min (0.6cfm) at 825kPa (120psi): 11ℓ/min (0.4cfm)
- **Power:**
 - 115VAC/60Hz Version: 160W, 2.2A
 - 220VAC/50Hz Version: 125W, 1.1A
- **Noise Level:** 35dB at 1m
- **Dimensions:** 305 x 330 x 300mm (12"x 13"x 11.8")
- **Weight:** 13.4kg (29.5lbs)

Air Compressors

For laboratories not equipped with a compressed air supply, Thorlabs provides a low-noise air compressor that is self-contained, lightweight, and compact. Due to the low noise emitted (35dB at 1m), the compressor will not interfere with sensitive experiments. Each system includes its own air regulator, filter, and receiver tank with pressure gauge, safety valve, drain, and line pressure gauge.

Air Filter/Regulator

This compact filter/regulator is recommended for use with all Thorlabs active isolators. It regulates the air pressure supplied to the isolators while removing moisture and particles down to 5µm. The fittings accept the 6mm diameter plastic tubing supplied with the active isolators. Each filter/regulator comes complete with a wall mounting bracket.

Air Compressors & Air Filter Regulator

| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|---------|-----------|----------|----------|------------|------------------------------|
| PTA011* | \$ 535.50 | £ 337.40 | € 498.00 | ¥ 5,114.00 | Air Compressor-110/115V-60Hz |
| PTA511* | \$ 535.50 | £ 337.40 | € 498.00 | ¥ 5,114.00 | Air Compressor-220/240V-50Hz |
| PTA013 | \$ 71.40 | £ 45.00 | € 66.40 | ¥ 681.90 | Air Filter |

*Air filter included

Foot Pump for Passive Isolation Systems

To pressurize passive vibration isolation systems where a constant supply of air is not necessary, Thorlabs supplies this foot pump. It is supplied with a Schraeder-type connector (Car Tire Valve), integrated pressure gauge, and extended tubing to allow convenient positioning.

Specifications

- **Maximum Pump:** 100psi
- **Hose Length:** 2m (6.6')



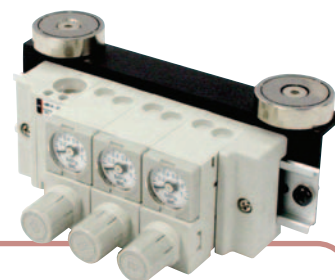
| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|--------|----------|---------|---------|----------|-------------|
| PTA126 | \$ 39.10 | £ 24.60 | € 36.40 | ¥ 373.40 | Foot Pump |

Gas Control Panel

The Pressure Control Panel can be used with our passive ScienceDesk, Breadboard Support Frames, and freestanding Vibration Isolators to control the air pressure in each pneumatic leg. It is recommended for use in all passive pneumatic systems. It requires a constant supply of compressed air.

This product is available in two options:

1. A magnetic bracket to mount on the underside of tables and breadboards (PWA080).
2. A clip on bracket appropriate for ScienceDesks and Frames (PSX080).



Specifications

- **Maximum Operating Pressure:** 0.7MPa
- **Proof Pressure:** 1.0MPa
- **Hysteresis:** 0.08MPa
- **Repeatability:** +/-0.05MPa
- **Ambient and Fluid Temperature:** -5 to 60°C

Features

- Alter Air Pressure Without the Inconvenience of a Foot Pump
- Compatible With All Our Passive and Active ScienceDesks, Frames, and Legs
- Can be Retrofitted for Customers With Existing Passive Products
- Supplied With All Necessary Fixings and Tubing

| ITEM# | \$ | £ | € | RMB | DESCRIPTION |
|--------|-----------|----------|----------|------------|--|
| PWA080 | \$ 255.00 | £ 160.70 | € 237.20 | ¥ 2,435.30 | Regulation Panel With Magnetic Base for Tables & Breadboards |
| PSX080 | \$ 240.00 | £ 151.20 | € 223.20 | ¥ 2,292.00 | Regulation Panel With Mounting Bracket for ScienceDesk |