



SPOTWELDER

FOOT & AIR OPERATED
25KVA | 35KVA | 50KVA



SPOT WELDER

Available in Foot and Air Operated Configurations

25KVA | 35KVA | 50KVA

VOLTAGE OPTIONS

- All machines available in 220V | 440V | 575V

BENEFITS

SPEED & EFFICIENCY

- Spot welding is an incredibly fast process of joining two metal pieces in a fraction of a second, which is ideal for high-volume production.
- Unlike some other welding methods (like MIG or TIG), spot welding doesn't require filler material, inert gases, or fluxes, which significantly reduces material costs.
- Spot welding creates strong, durable bonds that can withstand high-stress environments.
- Resistance spot welding often requires less energy compared to other welding methods.

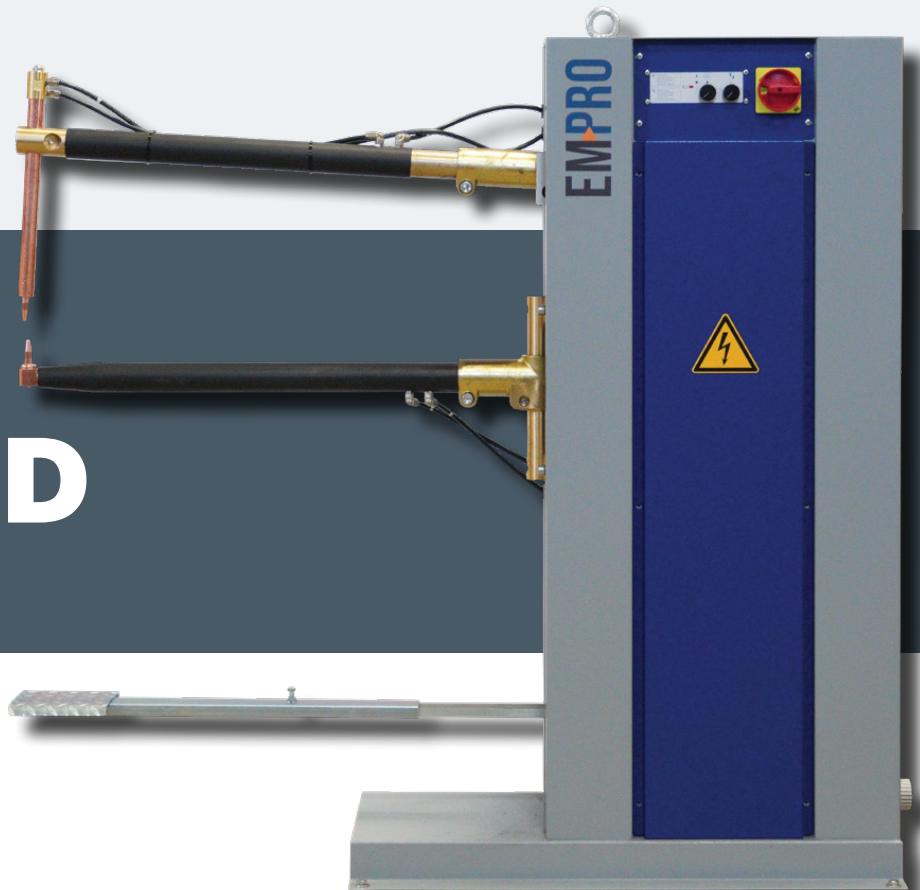
EASY TO OPERATE

- The process itself is relatively straightforward and can be performed without extensive specialized skills.
- Spot welding is a clean process with minimal fumes or waste, making it more environmentally friendly than some other welding methods.

The **EM-PRO SPOTWELDER** is a must have for any HVAC shop!

FOOT OPERATED

MODEL PB | FOOT OPERATED



SPECIFICATIONS

GENERAL SPECS

- 30" arms
- Upper arm can be positioned at 90° or 45°
- Vertically adjustable lower arms
- Use standard #1 and #2 Morse Taper spot-welder tips
- Fully water-cooled transformer, arms & tip holders
- Safety thermostats
- Electrics: 220V or 575V, 1PH 60Hz
- Shipping dimensions
(L x W x H): 52" x 26" x 60"
- Shipping weight: 427 lbs

CAPACITY

25KVA

- 2 pieces of 16 gauge galvanized
(Models: PB126S2, PBP126S2, and PBP126PX)

35KVA

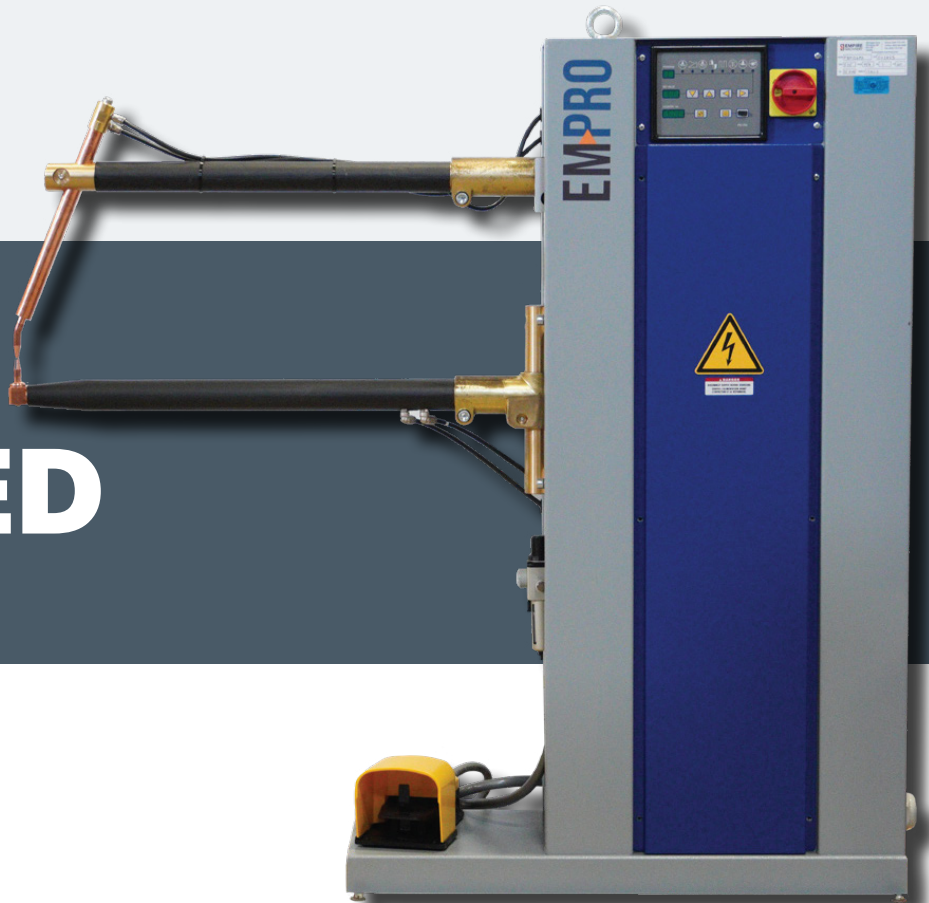
- 2 pieces of 12 gauge galvanized
(Model: PBP136PX)

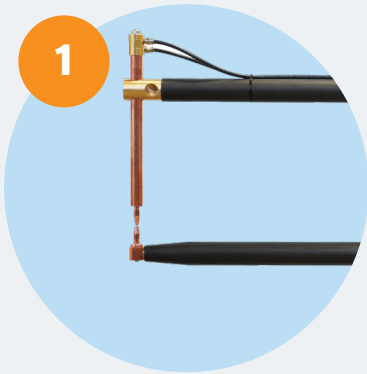
50KVA

- 2 pieces of 10 gauge galvanized
(Model: PBP151PX)

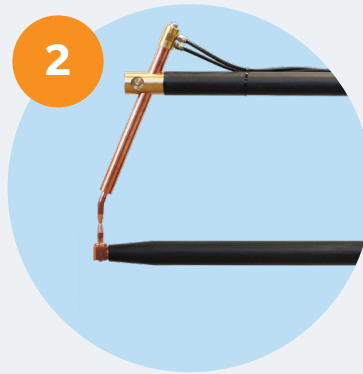
AIR OPERATED

MODEL PBP | AIR OPERATED

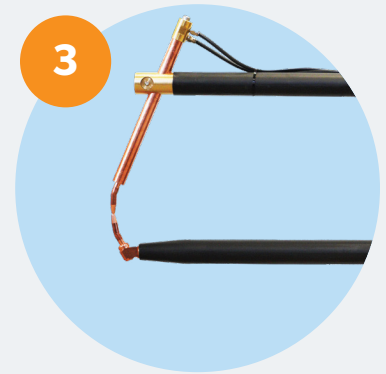




12" upper tip holder and custom machined lower arm with threaded adapter, mounted both at 90°. Includes #4MT 46030 2' straight tips. Allows for welding small tube diameters of 3-1/2" and larger.



12" upper tip holder mounted at 45° and custom machined lower arm with threaded adapter mounted at 90°. Includes #4MT, 2" straight and 3" 22.5° angled tips. Allows for welding small tube diameters of 3 1/2" and larger.



12" upper tip holder mounted at 45° and custom machined lower arm with threaded adapter mounted at 45°. Includes #4MT, 3", 22.5 degrees angled tips. Allows for welding small tube diameters of 4 1/2" and larger and works great for getting into tight corners.

TIP HOLDER CONFIGURATIONS

S2 ANALOG CONTROL



- The S2 is a single stage analogue control for fully synchronous welding
- Simple two knob unit controls weld time & weld power.
- Allows for precise weld control adjustments for perfect welds and increased tip life.
- Available for 25KVA Foot & Air Operated welders only.

PX1700 PLUS CONTROL



- Digital touch pad controls: squeeze time, power ramp, weld time, weld power, pulse welding and auto repeat.
- Allows for precise weld control adjustment for perfect welds and increased tip life.
- Option for 2nd foot pedal available.
- Available for 25KVA, 35KVA and 50KVA Air Operated welders.

CONTROL OPTIONS

ACCESSORIES

Additional EM-PRO Spotwelder Add Ons



**WATER VALVE
(REQUIRES TIMER PANEL)**

SPECIFICATIONS

- 110 Volt
- 0 -145 PSI operating range
- 36 GPM flow rate
- Fast acting
- 1/2" NPT female port size
- Requires adjustable timer

FEATURES

If you are not using our external EmPro Water Cooler or your own submersible pump, we offer our optional electric water valve. With our Electric Water Valve installed you can hook up to an external water supply like city or well water. Our water valve works with our integrated timer circuit and shuts off the flow after the set time has expired.



**ADJUSTABLE WATER
PUMP TIMER PANEL**

Every EMPRO Spotwelder can accept an Adjustable Timer that automatically shuts off power to the pump when using either our optional Water Cooler PT# 46060, optional Water Electric Valve PT# 46061 or your own submersible pump in a barrel. Our timer is adjustable from 1 to 30 minutes.

Plug the panel in a 110V receptacle and plug the pump into the panel and you're all set.

You will never have to remember if you turned the pump or water off again!



WATER COOLER

SPECIFICATIONS

- 1.8 gpm at 50 psi adjustable to 80 psi
- 3 gallon reservoir
- Rebuildable pump (repair kit product No. P3001)
- 115V or 230V, 1 ph, 5.6 / 2
- Amp: 60 Hz
- Dimensions: 18"L x 14"W x 9"H

FEATURES

- Plastic water tank eliminates coolant contamination due to electrolysis or chemical reactions.
- All units are plumbed with copper tubing and reinforced hose.
- New extended life pump features a direct drive power system reducing maintenance and vibration.
- No external plumbing is required because of closed loop water system.
- Self priming and easy change pump.
- Strong rigid construction designed to support power unit.
- Complete with required hoses and fittings for quick & easy setup.

