FPP4
PINSPOTTER
ITEM # 18015

GENERAL DESCRIPTION

The latest breakthrough from the innovators of insulation fastening is the FPP4, a pinspotter platform that enhances the capabilities of a compact pinspotter. The FPP4 works in conjunction with the Duro Dyne MF12A compact pinspotter (sold separately) to create a versatile insulation fastening machine designed for use in the HVAC industry.

WORKS IN CONJUNCTION WITH THE MF12A & MF12 MACHINES (SOLD SEPARATELY)

The FPP-4 is fully assembled for pneumatic and electronic controls to allow the MF12A welding source to be utilized as both a hand held pinspotter and a fixed head pinspotter. This provides the customer with greater capabilities at a lower cost. The MF-12A when used with the FPP4, will weld pins from 1/2 inch to 2 inches long on steel from 26 to 20 gauge.

THE FPP-4 WILL PROVIDE THE FOLLOWING IMPROVEMENTS FOR THE STANDARD COMPACT PINSPOTTER:

- Increased Speed 2-3x faster!
- Automatic Pin Feed
- Vibrator bowl with 1,000 - 1'' pin capacity
  - Capable of bulk feeding and welding 2" pins with 2" liner
- Feed Track sensor to ensure a full track of pins
- Dwell timer for a more consistent weld
- Foot Pedal for hands free operation
- Front mounted Air Regulator Assembly for easier accessibility
- Compact 4 foot throat for small to medium shops

PLEASE NOTE: The FPP4 welding source is powered by the MF12A (or previous MF12 Model) which is sold separately. It will not function without this power source. The FFP4 requires 110 volts and 80 PSI in addition to the power required by the MF12A (208-230 VAC single phase with 60 amp circuit protection). Please see the reverse side for more details on the capabilities of our MF12A compact pinspotter.

CONVERSION PROCESS

The conversion from the MF12A as a handheld pinspotter to a fixed head pinspotter when used in conjunction with the FPP-4 is simple. Simply remove the handgun and ground clamp cam locks conveniently located on the front of the MF12A and connect the front and rear weld cable cam locks from the FPP-4 to the MF-12A. If air and power are in place, you are ready to weld!

Note: For best performance, use genuine Duro Dyne insulation fasteners


RIB PINS


SLOPE PINS


TARGET PINS


ECONO-POINT PINS


GOLD SEAL PINS

MACHINERY DIVISION

Printed in USA 3/8/2017

DURO DYNE®

MF-12A PINSPOTTER ITEM # 27110

GENERAL DESCRIPTION

The MF-12A is a compact pinspotter ideal for small shops. Special design welding transformers allow the MF12A to deliver more power, precisely timed to the welding tip. The MF-12A will weld pins from ½ inch to 4 inches long on steel from 26 to 20 gauge. When used in conjunction with the FPP4, the max pin size the vibrator bowl and feed track will accommodate on the FPP4 is 2'' pins. Proven solid-state weld control circuitry guarantees years of reliable, trouble-free service in your shop.

PLEASE SEE THE FULL MF12A LIT SHEET FOR MORE DETAILS ON THIS MACHINE AS A COMPACT HANDHELD PINSPOTTER.

FEATURES

- Compact design for easy handling
- Standard 10 foot gun cable and 10 foot ground cable
- "Easy read" weld timer for precise control
- Panel mounted test switch and indicator lights for easy troubleshooting.
- Proven Solid State controls
- For use with FTC, CP, SSP, BDEP, CTC, PN* & LN* weld pins
  (*Change tip from TP8 to TP2 for PN, and to TPL2 for LN)

TECHNICAL SPECIFICATIONS

ELECTRICAL:

Input voltage: 208-230 VAC 60 HZ
single phase. 60 amp service with circuit protection.

DIMENSIONS:

Height: 11 inches
Width: 11 inches
Depth: 17 inches
Weight: 120 lbs.

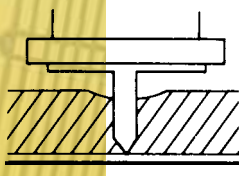
PUT THE MF-12A TO USE IN YOUR SHOP AS A BENCH TOOL

To use your work bench as a welding table, cover the bench top with a copper (.025) inch thick sheet. Set the MF-12A on the bench top. Attach the MF-12A ground clamp to the copper sheet and it will act as a ground when the duct rests on the bench top. Activate the trigger switch and pins quickly weld every time. No burn marks or wasted pins due to misfires.

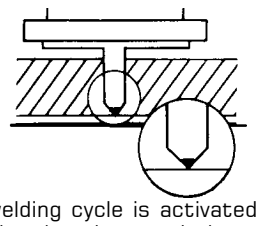
BRING THE MF-12A TO THE WORK

- When duct is too large to put on a bench, snap the ground clamp onto the duct and secure the insulation quickly by welding pins inside or outside of the duct as required.
- Eliminate the heat mark on the duct by using the simple "heat sink" on the opposite side of weld.

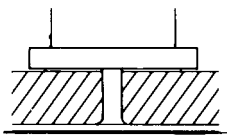
HOW FASTENERS ARE INSTALLED



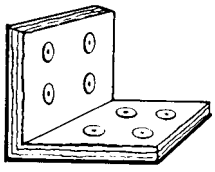
The needle sharp point enables the operator to easily push the fastener through the insulation into firm electrical contact with the metal duct.



The welding cycle is activated by pressing the trigger switch on the gun (or remote actuator). Current flowing through the fastener's high resistance point of contact creates instantaneous welds of extremely high strength.



The flow of metal during the weld, firmly attaches and supports the fastener. It prevents breakaway while handling ducts during transport and installation.



No burn marks or discolorations of duct occur when using the recommended method of insulation fastener attachment. Fasteners are permanently welded in position flush with insulation.

Note: For best performance, use genuine Duro Dyne insulation fasteners

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