

Firepower



FP Series Manual Plasma Cutting Systems



FirepowerOnline.com



FP Series Manual Plasma Cutting Systems

Firepower® has launched a new series of manual plasma machines—the FP-25i, FP-35i, and FP-45i—featuring an advanced LCD interface that simplifies set-up and operation. Operators make all adjustments with just one knob, viewing process information on the generous, full-color 2.8-in. screen.

In addition to their rated cut thickness—that indicates a quality cut at good speed—they'll also sever thicker material. The FP-45i can carve through 1-in. steel, but even the FP-25i can cut through 3/8-in. steel. The FP units deliver a lot of punch to meet most any cutting need.

Manual Plasma Cutting Made Easy

FP Series plasma cutting systems are powerful enough to handle tough cutting jobs without dealing with complicated set-up and operation. Cut through grates and plates in mild steel, stainless steel or aluminum with ease. Available in three versions to meet your required thickness level:

Firepower 25i	WARRANTY 3 YEAR	Firepower 35i	WARRANTY 3 YEAR	Firepower 45i	WARRANTY 3 YEAR
CC THICKNESS 5/16" MILD STEEL (8 mm)	MAX THICKNESS 3/8" MILD STEEL (10 mm)	INPUT POWER 20 Amp 115 VAC	CC THICKNESS 1/2" MILD STEEL (12 mm)	MAX THICKNESS 5/8" MILD STEEL (16 mm)	INPUT POWER 50 Amp 208/230 VAC
OUTPUT 25 AMPS	MATERIALS STEEL STAINLESS STEEL BRASS ALUMINUM	DUTY CYCLE 25% @25 AMPS	CC THICKNESS 5/8" MILD STEEL (16 mm)	MAX THICKNESS 1" MILD STEEL (25 mm)	INPUT POWER 50 Amp 208/230 VAC
OUTPUT 35 AMPS	MATERIALS STEEL STAINLESS STEEL BRASS ALUMINUM	DUTY CYCLE 35% @35 AMPS	OUTPUT 45 AMPS	MATERIALS STEEL STAINLESS STEEL BRASS ALUMINUM	DUTY CYCLE 35% @45 AMPS



2.8" LCD DISPLAY

Intuitive LCD display

The FP plasma system panel is totally user-friendly with a 2.8" color LCD screen, that clearly displays all settings you need to see at a glance—cutting mode, input voltage, and input air pressure.



SWITCH SELECTION:
2T: ON / OFF
4T: LOCK ON



All in One Knob

Complete with the functions necessary for any cutting job, FP plasma cutting machine is simple and quick to set up with just one knob:

- 1 Select the desired mode for torch control,
2T – On/Off
4T – Lock-on
- 2 “Select “grate” or “plate” depending on the material you’ll be cutting—there’s a specific setting for each!
- 3 You’re ready to start cutting!

Air Regulator

The FP plasma system comes with an automatic internal regulator that manages the air passing through the torch. It is not necessary to adjust the gas—the machine automatically detects the inlet and outlet pressure. It comes with an external air filter with a purge valve for removing excess oil in the compressed air.

Consumables

A complete line of consumables has been specially developed to take advantage of the full potential of the FP plasma system and keep it always ready for work.

Torch Included

The FP plasma system comes ready to use, with a 60A torch and a 16' (5m) lead. This ergonomic torch features a trigger lock for greater safety and a choice of 2T/4T function on the machine panel.

The automatic system purges gas after cutting, increasing the life of the consumables.



Package Contents

- Plasma Power Source (FP-25i, FP-35i or FP-45i)
- 60A Plasma Torch (connected)
- Work Cable and Clamp
- Two (2) tips and two (2) electrodes
- Electrode Wrench
- Shoulder Strap
- User Manual (Power Source and Torch)



Ordering Information/Specifications		FP-25i	FP-35i	FP-45i
System Part No.		1445-1925*	1445-1935*	1445-1945*
Frequency		50/60Hz		
Cutting Capacity	Mild Steel (Clean Cut)	5/16" (8 mm)	1/2" (12 mm)	5/8" (16 mm)
	Mild Steel (Severance)	3/8" (10 mm)	5/8" (16 mm)	1" (25 mm)
	Stainless (Clean Cut)	1/4" (6 mm)	3/8" (10 mm)	1/2" (12 mm)
	Aluminum (Clean Cut)	3/16" (5 mm)	5/16" (8 mm)	3/8" (10 mm)
Piercing Capacity		3/16" (5 mm)	1/4" (6 mm)	3/8" (10 mm)
Output Current		20-25 Amps	20-35 Amps	20-45 Amps
Duty Cycle		25A @ 25%	35A @ 35%	45A @ 35%
Input Air Pressure		80-110 psi (5.5-7.6 bar)		
Air Flow		3.9 cfm (110 l/min)		
Torch Air Pressure		67 cfm (4.6 bar)		
Weight (machine + torch)		29.7 lbs. (13.5 kg)		
Dimensions (W x H x D)		6.9" x 12.8" x 16.3" (176 mm x 324 mm x 415 mm)		
Enclosure class		IP21C, EN 60974-1, CSA, ETL		

Consumables/Accessories

60A Torch Consumables	Part No.
Cutting Tip, 25A / 35A (5 pk)	1445-1901
Cutting Tip, 45A (5 pk)	1445-1902
Electrode, 60A (5 pk)	1445-1903
Stand Off Guide, 60A	1445-1904
Shield Cup, 60A	1445-1905
O-Ring, 60A (3 pk)	1445-1906
Gas Diffuser, 60A	1445-1907
Accessories	
Plasma Torch, 60A, with 25A/35A and 45A Tips	1445-1900
Inline Air Filter	1445-1908
Inline Air Filter Cartridge	1445-1909
Circle Cutting Guide	1445-1910

**(includes 60A torch, two (2) tips, two (2) electrodes, electrode wrench, and User Manual)*