

# MULTIWELD FV 220M

Ref. 065482

The **MULTIWELD FV 220M** is a single-phase welding machine, combining **MIG/MAG**, cored wire and **MMA** welding processes. It operates on a supply voltage between **85 and 265 V** thanks to its **FV (Flexible Voltage)** power supply. Its intuitive interface integrates two digital displays offering simple and accurate settings. Fitted with an accurate and powerful **4 drive roll feeding system**, offering welding quality even on aluminium.

## MULTIPROCESS

- **MIG/MAG welding :**
  - steel wire: Ø 0.6 to 1.0 mm
  - stainless steel wire: Ø 0.8 to 1.0 mm
  - aluminium wire: Ø 0.8 and 1.0 mm
  - cored wire (reverse polarity): Ø 0.9 to 1.2 mm
- **MMA welding:** basic and rutile electrodes (up to Ø 5 mm).

## OPTIMISED MIG/MAG SETTINGS

- **Choice of the trigger mode:** 2T or 4T.
- **Welding guide:** tables assist the user to adjust and fine tune the voltage and the diameter of the filler wire according to the thickness of material being welded.

## INTUITIVE

- **Display readable** even in bright light.
- **Simple user interface** with ergonomic controls allowing gloved use.

## INTEGRATED WIRE FEEDER

- Compatible with reels : Ø 200 / 300 mm
- Wire feeder with 4 rollers for an efficient wire feeding.
- **EURO torch connector** for quick assembly/disassembly.

## PRE-HEATING, PURE CO2

- Pre-installed socket (36 V - 4.2 A) for gas heater in pure CO2 welding (heater not included).
- Compatible with US (type A) and EURO electrical sockets (type C/E/F).

## ROBUST

- IP 23 classification for outside use.
- Accepts very long extension cords (100 m).
- Reinforced wheels for better stability and easier transportation.
- Support for gas cylinder up to 4 m<sup>3</sup> (20L).
- Protected against overvoltage up to 400 V (PROTEC 400).

## ACCESSORIES (options)



Welding kit for cored wire  
Ø 0.9 / 1.0 mm  
041240



Consumables box  
MB25 (250 A)  
041233



Drive rolls type A

Steel / Stainless steel	Ø 0.6 / 0.8 Ø 0.8 / 1.0	x1	042339 041189
Aluminium	Ø 0.8 / 1.0		041196
Cored wire	Ø 0.9 / 1.2		042346

Regulator



30 l/min  
041622  
041219  
041646



Supplied with

MIG25 - 3 m

2.5 m - 25 mm<sup>2</sup>

2 m - 25 mm<sup>2</sup>



Welding voltage

Arc dynamic

MIG/MAG: Wire feed speed  
MMA: Welding intensity

50/60 Hz	A	I <sub>2</sub> MMA A	I <sub>2</sub> MIG A	Ø mm		200	300	Ø mm	Electronic Control	m/min	0.8 1.0	MIG-MAG EN 60974-1 (40°C)		MMA EN 60974-1 (40°C)		U <sub>0</sub> V	cm	kg	IP	Protected & compatible power generator (+/-15%)
				GAS	NO GAS							IA (60%)	100%	IA (60%)	100%					
230 V 1~	16	30 → 200	30 → 220	0.6	0.9	✓	✓	1.6 → 5	⊗	2 → 15	0.8	160 A	120 A	140 A	100 A	75	77 x 79 x 47	32	IP 23	9 kW
110 V 1~	32	30 → 120	30 → 140	1.0	1.2			1.6 → 3.2	⊗	2 → 11	1.0	110 A	90 A	100 A	80 A	67				