

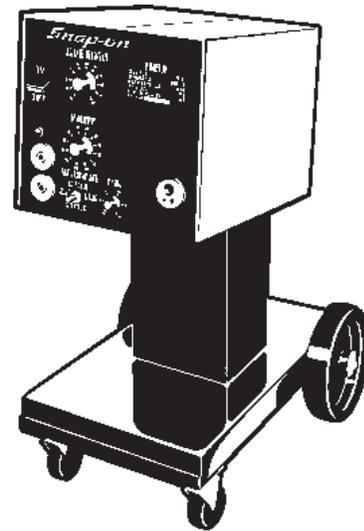
Snap-On®

115 VOLT

FM140A M.I.G. COMBINATION UNIT

Heavy Duty Unit for Frame Shops,
Maintenance and Light Manufacturing

- 100% DUTY CYCLE @ 140 AMPS OUTPUT
- TIG WELDS 12 GA. THRU 1/4" STEELS (NO ALUMINUM)
- COMPLETE UNIT IN A SINGLE CABINET
- .023 THROUGH .045 WIRE - ALL TYPES
- 30 - 140 AMP RANGE
- SPOOL GUN READY
- TWO YEAR WARRANTY (EXCEPT M.I.G. TORCH)
- OPERATES FROM A 115 VOLT AC OUTLET



EASY TO OPERATE

Turn on the shielding gas and main power switch, set the Heat and Wire Speed dials, and pull the trigger. That is all that is required of the operator of the FM140A to perform the majority of welding jobs.

The FM140A can be used to produce high quality welds on steel, stainless steel, or aluminum. An Optional MHG5-A Spool gun is available for welding aluminum.

SMOOTH ARC DESIGN

A twelve position dial provides 12 voltage selections. The tapped transformer, diode rectifier, capacitor bank design, produces the smooth arc required for welding on thin gauge, as well as the amperage needed for welding heavier sections of material.

COMPACT DESIGN

The small size, light weight, sturdy running gear, and the 20 foot power input cable make the FM140A the ideal machine for in-shop portability.

All controls are located on the front of the machine, to allow for easy reading and adjustment.

115 VOLT

The FM140A welding system operates on 115 volt common house current. The FM140A is not your common 115 volt low duty cycle performer. *The FM140A is the industry standard for 115 Volt Systems. 100% duty cycle @ 140 amps.*

INDUSTRIAL MIG TORCH

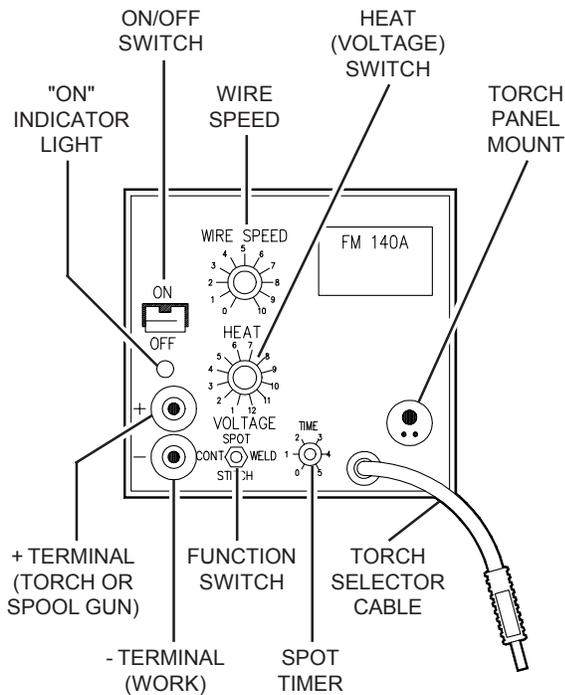
The industrial rated MIG torch is designed to give years of dependable service. Its light weight, perfect balance, and positive trigger control are especially appealing to the operator. The Zero Gas Loss feature is standard with Snap-On MIG torches. This feature virtually eliminates expensive shielding gas loss. The single line cable with unique single unit connector attachment at the machine is one more plus, adding to the perfect machine.

ITEMS INCLUDED WITH THE FM140A M.I.G. COMBINATION SYSTEM:

- Combination Power Source / Wire Feeder
- Industrial Wheel Kit / Cylinder Rack
- Shielding Gas Regulator / Flowmeter
- 20 foot Power Input Cable with plug
- 15 foot Work (Ground) Cable with Clamp
- MIG Torch with 10 foot Cable (.030 wire)
- .030 Steel Welding wire - Sample spool
- 200PK-1 Parts Kit

The latest technology in MIG welding equipment

OPTIONS



T.I.G. (GTAW) WELDING

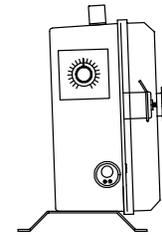
Do you have a requirement for very high quality welds? The FM140A is easily converted to a T.I.G. Welder. Weld Steel, Stainless Steel, Chrome-Moly, Copper, Cast Iron - but **WILL NOT WELD ALUMINUM**. The FM140A is capable of welding 12 gauge up to 1/4" thicknesses. (available in 12 and 25 foot cable lengths) PURE ARGON GAS IS REQUIRED FOR TIG WELDING.



**TIG PACK 2112A
OR
TIG PACK 2125A**

RE5-A RANGE EXTENDER WIRE FEEDER

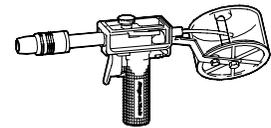
A wire feed extension complete with 25 foot cable assembly. Weld anywhere - even on top of a truck.



RE5-A

ALUMINUM WELDING

The FM140A is "Spool Gun Ready". The optional MHG5-A spool gun plugs into the welder and you are ready to weld. (The proper gas must be hooked up) but nothing needs to be removed from the welder for changeover to the spool gun. PURE ARGON GAS IS REQUIRED FOR ALUMINUM WELDING.



MHG5-A

SPECIFICATIONS FOR THE FM140A

Power Input Requirements

Voltage	115 volts AC
Phase	single phase
Frequency	50/60 hertz
Current	20/30 amps

Power Output

Open Circuit Voltage	18 - 30 volts DC
Arc Voltage	14 - 26 volts DC
Weld Current Range	30 - 140 amps
Rated Output	120/140 amps
Duty Cycle	100%
Duty Cycle - Spot Weld	30 x 2 seconds
Duty Cycle Time Period	10 minutes
Spot Weld Time Adjustment	0 - 3 seconds

Electrode Wire Capacity

Steel Wire	.023 - .045 inch
Stainless Steel Wire	.030 - .045 inch
Aluminum Wire (with MHG5-A)	.025 - .047 inch
Bronze Wire	.030 - .035 inch
Flux Cored Wire	.030 - .045 inch
<i>Recommended Wire Size</i>	.030 inch

Wire Feeder

Wire Feed Speed Range	10 - 500 IPM
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Shielding Gases

Steel Wire	CO2 or 75% ARGON-25% CO2
Stainless Steel	98% ARGON-2% O2
Aluminum, Bronze	Argon
Flux Cored	CO2 or 75% ARGON-25% CO2
Flux Cored - gasless	none (Straight Polarity)

MIG Torch

Neck Angle	60 degrees
Overall Length	10 feet
Cooling Method	gas
Rating - Duty Cycle	
with CO2	200 amps - 100% duty cycle
with Argon	150 amps - 100% duty cycle
with Argon	200 amps - 60% duty cycle
Warranty Period	<u>30 days on MIG Torch</u>

Dimensions

Height	34 inches
Width	14-1/2 inches
Depth	25-1/2 inches
Weight	105 pounds