

# Coolant Recirculators

For Modular Plasma Welding Systems

## HE-100A Coolant Recirculator

High efficiency and completely non-ferrous internal construction (including a reusable metal filter) make the HE 100A a useful, dependable companion for any Thermal Arc plasma welding system to 300 amps.






A positive displacement, rotary vane pump delivers a maximum of 2.3 gpm (8.7 lpm) at 100 psi (.9 lpm at 7 kg/cm<sup>2</sup>). The pressure is adjustable. Maximum rating is 20,000 BTU/hr (5040 K/Cal/hr) (based on 100°F [38.8°C] difference between ambient air and high coolant temperature, and 40°F [4°C] difference between high and low coolant temperature).

## HE-150 Coolant Recirculator

The HE-150 is required for applications above 300 Amps, and is used with the PWM-6A Torch. The unit delivers a maximum of 4 gpm at 125 psi, and a maximum rating of 65,000 BTU/hr (based on 100°F [38.8°C] difference between ambient air and high coolant temperature, and 40°F [4°C] difference between high and low coolant temperature).



# Plasma Welding Torches

	TORCH	CURRENT RATING	COOLANT REQUIREMENTS
	PWH/M-2A	75 Amps	2,000 BTU/hr (504 K/Cal/hr) 1/4 gpm coolant flow @ 50 PSI (0.9 lpm @ 3.7 kg/cm <sup>2</sup> )
	PWH/M-3A	150 Amps	6,000 BTU/hr (1513 K/Cal/hr) 1/3 gpm coolant flow @ 50 PSI (1.25 lpm @ 3.7 kg/cm <sup>2</sup> )
	PWH/M-4A	220 Amps	8,000 BTU/hr (2017 K/Cal/hr) 1/2 gpm coolant flow @ 50 PSI (1.9 lpm @ 3.7 kg/cm <sup>2</sup> )
	PWM-300	300 Amps	12,000 BTU/hr (3025 K/Cal/hr) 3/4 gpm coolant flow @ 100 PSI (3.4 lpm @ 7.03 kg/cm <sup>2</sup> )
	PWM-6A	500 Amps	20,000 BTU/hr (5042 K/Cal/hr) 2 gpm coolant flow @ 50 PSI (15.2 lpm @ 3.7 kg/cm <sup>2</sup> )