

# HF 5000

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**High-Frequency  
Arc Starter** 

## Quick Specs



### Industrial Applications

General Manufacturing  
Petrochemical  
Food and Beverage  
Rental  
All-Purpose Maintenance

### Processes

TIG HF (GTAW)  
Pulsed TIG HF (GTAW-P)  
TIG Lift-Arc™ (GTAW)  
Pulsed TIG Lift-Arc (GTAW-P)  
Stick (SMAW)

**Input Power** 1-Phase Power

**Rated Output** 400 A, 100% Duty Cycle

**Weight** 13 kg (28.7 lb)

## The Power of Blue.®

**High-frequency arc starter** provides excellent arc starting for DC TIG welding on thin stainless steel, brass, copper, and a range of ferrous and non-ferrous alloys.

**Compatible with Miller constant-current DC power sources** and others that feature a 14-socket receptacle.

**Easy-to-read front panel** includes ammeter display and a push-button interface with amperage and set-up controls.

**115 VAC (50/60 Hz) input** meets most single-phase power configurations, and is rated at 100% duty cycle.



**Positive and negative power supply connections** are featured on the front and back to ease installation.

**Gas solenoid valve** offers exact control over pre-flow ranges and built-in post-flow eliminates contamination.

**Lightweight, portable design** can be easily moved around the work place.

**Thermally protected secondary terminals** automatically shut off the unit if duty cycle is exceeded.

**Fan-cooled design** protects the unit from overheating.

**14-pin receptacle** on the front panel allows for easy remote control connection.

**Quick-connect fittings** allow for quick installation of water-cooled TIG welding torch.

**Circuit breaker** protects unit from primary power overload.

## Specifications (Subject to change without notice.)

**1**  
Phase

Model	Input Power	Welding Voltage Range	Welding Current Range	Rated Output	Dimensions	Net Weight
HF 5000	115 VAC, Single-Phase, 500 mA, 50/60 Hz	10–95 V	5–450 A	400 A at 34 VDC, 100% Duty Cycle	H: 265 mm (10.4 in) W: 250 mm (9.8 in) D: 420 mm (16.5 in)	13 kg (28.7 lb)



Warranted for 2 years, parts and labor.



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# Genuine Miller Options and Accessories

## Interconnecting Cable Assemblies

**058 019 138**

1.7 m (5.57 ft) Water-cooled

**058 019 144**

1.7 m (5.57 ft) Water-cooled (XMS 403)



**RHC-14 129340**

Miniature remote hand current and contactor control. Includes 6 m (20 ft) cord and 14-pin plug.



**RFCS-14 043554**

Foot pedal current and contactor control. Includes 6 m (20 ft) cord and 14-pin plug.

## Water Coolant Systems

**Hydramate™ 1**

**028 042 097** 115 VAC

**028 042 098** 230 VAC

Cools torches rated up to 400 A.

**Hydramate™ 2**

**028 042 099** 115 VAC

**028 042 100** 230 VAC

Cools torches rated up to 400 A.

**Coolmate™ 3**

**043 007 012** 115 VAC

**043 008 012** 230 VAC

Cools torches rated up to 600 A.

**Coolmate™ V3 043 009 012** 115 VAC

Cools torches rated up to 500 A.

**Coolmate™ 4 042 288 015** 115 VAC

Cools torches rated up to 600 A.

## Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
<b>HF 5000</b>	<b>V29 012 345</b>			
<b>TIG Torches and Consumables</b>		Contact factory		
<b>Power Sources</b>				
XMT® 304/456 CC/CV		See Literature Index Number DC/18.8		
XMT® 350 Series		See Literature Index Number DC/18.83		
Dimension™ Series		See Literature Index Number DC/19.2		
Gold Star® Series		See Literature Index Number DC/8.1		
STR 450		See Literature Index Number MN/77.0		
<b>Accessories</b>				
Interconnecting Cable Assemblies	<b>058 019 138</b> <b>058 019 144</b>	1.7 m (5.57 ft) Water-cooled 1.7 m (5.57 ft) Water-cooled (XMS 403)		
RCCS-14	<b>043688</b>			
RCC-14	<b>151086</b>			
RMS-14	<b>187208</b>			
RHC-14	<b>129340</b>			
RFCS-14	<b>043554</b>			
Hydramate™ 1	<b>028 042 097</b> <b>028 042 098</b>	115 VAC 230 VAC		
Hydramate™ 2	<b>028 042 099</b> <b>028 042 100</b>	115 VAC 230 VAC		
Coolmate™ 3	<b>043 007 012</b> <b>043 008 012</b>	115 VAC 230 VAC		
Coolmate™ V3	<b>043 009 012</b>	115 VAC		
Coolmate™ 4	<b>042 288 015</b>	115 VAC		
Secondary Weld Cable				
Work Cable with Clamp				
Gas Hose and Fittings				
Regulator/Flow Meter				
Welding Wire		See Elga for application		
Helmet/Welding Gloves				

Date:

Total Quoted Price:

Distributed by:

