



Harris offers a full series of manual lighting INFERNO tips for all of your brazing and soldering needs.



	MODEL	TIP SIZE		GAS FLOW		SOFT SOLDER		BRAZING		PART #
		INCHES	MM	@14 PSI SCFH	(0.9 BAR) M3/HR	INCHES	MM	INCHES	MM	
ACETYLENE	HA-3i	1/4"	6.65	3.10	0.09	up to 1"	up to 25	up to 1/2"	up to 13	1601110
	HA-5i	5/16"	7.87	5.80	0.16	3/4"-1 1/2"	19-38	1/4"-3/4"	6-19	1601111
	HA-8i	3/8"	9.65	6.60	0.19	1"-2"	25-50	1/2"-1"	13-25	1601112
	HA-11i	7/16"	11.18	9.80	0.28	1 1/4"-3"	32-75	7/8"-1 5/8"	22-41	1601113
	HA-14i	1/2"	12.70	12.60	0.36	2"-3 1/2"	50-89	1"-2"	25-50	1601114
PROPANE	HA-32i	3/4"	19.05	27.50	0.78	4"-6"	102-152	1 1/2"-4"	38-102	1601115
	HT-2i	5/16"	7.87	1.50	0.04	1/8"-1/4"	3-6	1/16"-1/4"	2-6	1601130
	HT-3i	7/16"	11.18	3.10	0.09	1/4"-1"	6-25	1/8"-1/2"	3-13	1601131
	HT-4i	1/2"	12.70	3.60	0.11	1/4"-1 1/2"	6-38	1/4"-3/4"	6-19	1601132
	HT-5i	3/4"	19.05	11.50	0.33	1 1/2"-2 1/2"	38-64	1/2"-1 1/4"	13-32	1601133
PROPYLENE	HT-2i	5/16"	7.87	1.50	0.04	1/8"-1/2"	3-13	1/8"-1/4"	3-6	1601130
	HT-3i	7/16"	11.18	3.10	0.09	1/4"-1 1/2"	6-38	1/4"-1/2"	6-13	1601131
	HT-4i	1/2"	12.70	3.60	0.11	1/4"-2 1/2"	6-64	1/2"-1 1/4"	13-32	1601132
	HT-5i	3/4"	19.05	11.50	0.33	1"-4"	25-102	1/2"-2"	13-50	1601133

## NOW THAT'S A HOT TIP!<sup>SM</sup>

The INFERNO<sup>®</sup> by Harris is hot. Contractors will recognize the perfect flame every time they fire up the INFERNO. The INFERNO tip is the new standard for the entire industry.



### WE SAW ROOM FOR IMPROVEMENT

Brazing and soldering tips have not changed much over the past decade. The INFERNO by Harris is the result of unparalleled product development and engineering efforts. With the INFERNO, we created the first air-fuel tip that is worthy of the Harris name.

### WE KNOW WHAT IT TAKES

Harris has always represented the highest quality, control and consistency in brazing and soldering tools. The INFERNO by Harris is another revolutionary product from a trusted industry leader.

### WE'RE BETTER THAN THE REST

Inconsistent performance and flame "horns" are now a thing of the past. The INFERNO by Harris is the hottest, most consistent tip in the industry.

INFORMATION 800.733.4533  
LEARN MORE [www.infernoyharris.com](http://www.infernoyharris.com)



The Harris Products Group  
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4000°  
3800°  
3600°  
3400°  
3200°  
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2800°  
2600°  
2400°  
2200°  
2000°  
1800°  
1600°  
1400°  
1200°  
1000°

# THE INFERNO® BY HARRIS MORE HEAT, CONTROL AND CONSISTENCY

Contractors in heating, ventilation, air conditioning, plumbing and refrigeration know that when it comes to quality and performance, the heat, temperature consistency and flame need to be perfect every time.



## INFERNO FEATURES & BENEFITS

- CONSTRUCTED FROM INDUSTRIAL GRADE MATERIALS
- DESIGNED FOR A LONG SERVICE LIFE
- SWIRL COMBUSTION TECHNOLOGY
- QUALITY-DRIVEN, PRECISION MANUFACTURING PROCESS
- THE PERFECT FLAME FOR EVEN HEATING
- INTEGRATES WITH EXISTING QUICK CONNECT AIR-FUEL HANDLES

## INFERNO CAMPAIGN MATERIALS

The INFERNO by Harris is supported by a comprehensive launch campaign including the following ten elements:



### 1. PRODUCT BROCHURE AND POSTER

Key selling points about the INFERNO by Harris are presented in a product introduction piece that allows for quick presentation of the unique and different INFERNO features and benefits.

### 2. PRODUCT MICRO SITE

Curious contractors and others are invited to see why we say "Now that's a hot tip!" Visit [www.infernobyharris.com](http://www.infernobyharris.com) for information, downloads and product videos.



### 3. PRINT ADVERTISING

Visitors to the ASHRAE Annual Conference in Las Vegas and other industry events will see advertising designed to support the INFERNO launch. Ads will feature the tag line "Now that's a hot tip!" and drive traffic to the INFERNO website.

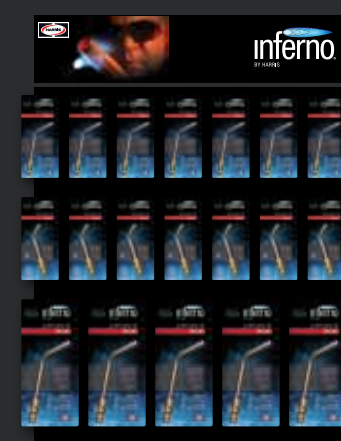


### 4. LAUNCH VIDEO

Eager to learn about the INFERNO? Check out the product launch video to hear the INFERNO story from the Harris team members responsible for this truly hot tip.

### 5. DEMONSTRATION VIDEOS

A complete set of INFERNO demonstration videos are online for everyone to see. See the INFERNO tips used in various applications by industry veteran George Benyak.



### 6. NEW PACKAGING AND POINT OF SALE DISPLAY

INFERNO by Harris is available wherever Harris brazing and soldering equipment is sold. Look for the distinctive INFERNO by Harris logo on dramatic packaging designed to stand out in any setting.



### 7. PRODUCT OVERVIEW PRESENTATION

To help keep the buzz alive about the INFERNO, we have developed a presentation with general product information, key selling points, technical data and ordering information.



### 8. PRESS RELEASES

The HVAC/R and plumbing industry is talking about this hot tip. Look for INFERNO reviews in publications like Air Conditioning, Heating & Refrigeration NEWS and Contractor Magazine.



### 9. FLASH DRIVE

Authorized representatives have been given a flash drive with all the contents of the INFERNO marketing campaign, equipping them with everything they need to sell the INFERNO through the distribution channels.

### 10. TRADE EVENTS

The Harris Products Group will feature live demonstrations of the INFERNO in its exhibit space. Look for the The Harris Products Group booth at the AHR EXPO, AHR Mexico and FABTECH.