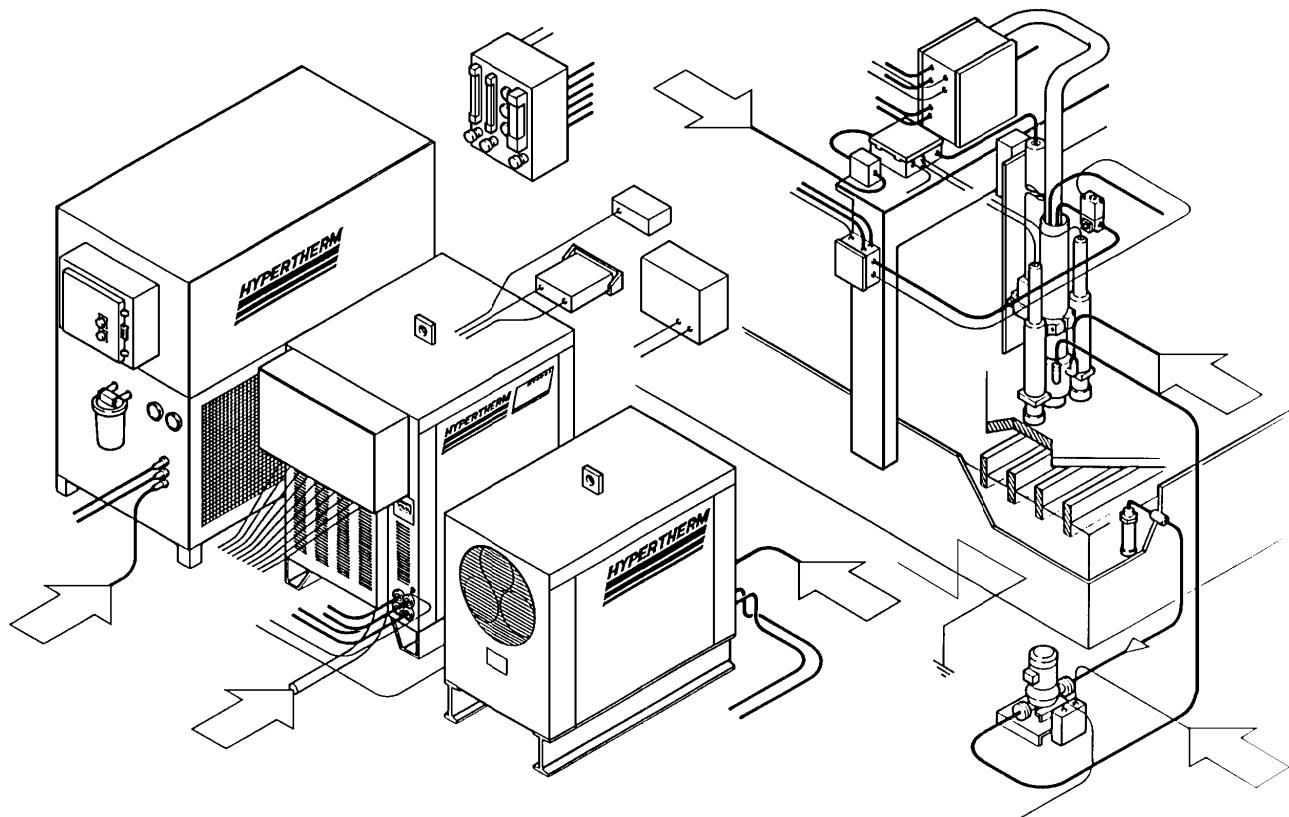


HT4001®

Plasma Arc Cutting System Product Configuration Manual

802060



HT4001

Plasma Arc Cutting System

**Product Manual
(P/N 802060)**

Revision 5 April, 2000

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1 Ordering Procedure

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INTRODUCTION

Hypertherm's HT4001 system is designed as a machine-mounted, water-injection plasma cutting system for production cutting carbon steel, stainless steel and aluminum from gauge to three-inch (75 mm) thick when configured with a slave power supply and using nitrogen as the plasma gas. A micro-controller on the HT4001 power supply control board helps to provide extended life for the torch consumable parts in the oxygen cutting mode. To optimize consumable life, **all cuts must begin and end on the plate surface** when cutting with oxygen as the plasma gas; this allows for the proper control of gases and DC current to extend the life of the torch nozzle and electrode.

The HT4001 system provides the user with the capability of locating the power supply a maximum distance of 200 feet (60 m) from the torch. This is accomplished by adding a Remote High Frequency (RHF) Console.

The HT4001 configured without a slave power supply provides continuously variable current output from 100 to 400 amps for optimum performance on all thicknesses of metal up to two-inch (50 mm) thick. Three nozzle sizes are provided to produce high-quality cuts throughout the range of cut thicknesses.

The HT4001 configured with a slave power supply provides continuously variable current output from 100 to 750 amps for optimum performance on all thicknesses of metal. This allows the operator wide variations in cutting speeds on the same thickness of metal. Five nozzle sizes are provided to produce high-quality cuts throughout its range of cut thicknesses.

The HT4001 can be configured for oxygen or nitrogen cutting. Nitrogen will cut stainless steel, aluminum, carbon steel and other non-ferrous materials. Oxygen will cut mild (carbon) steel.

MULTI-TORCH SYSTEMS

If more than one torch is required, increase the quantity of each component by the number of torches to be used. The exception to this rule is the Water Chiller. See sample two-torch HT4001 system on page 1-28.

To specify the correct components for each application, follow the guidelines in this section.

LAYOUT OF CUTTING MACHINE AND HT4001 SYSTEM

When configuring an HT4001 system(s), it is important to know where each major component will be placed. This will vary with the cutting machine type (gantry or cantilever) and with the particular installation. After determining the location of the major components, specify the interconnecting leads and cable lengths.

It is critical to follow the path that the interconnecting leads will follow and allow for some slack when specifying their lengths. **Do not try to get by with the next shorter length!**

Pictured below are two diagrams showing overhead views of typical cantilever and gantry systems. Installations vary, so use these figures as a guide.

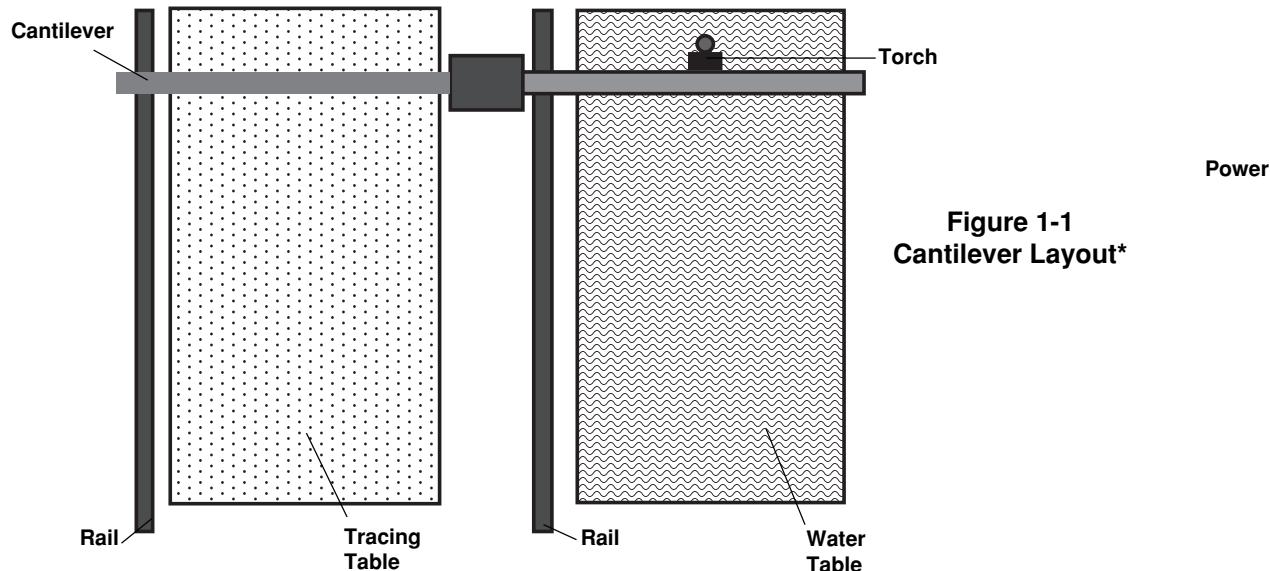


Figure 1-1
Cantilever Layout*

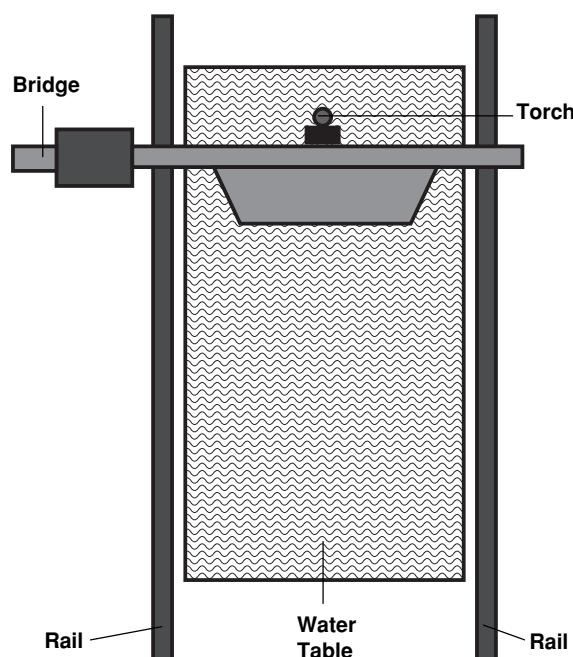


Figure 1-2
Gantry (Bridge) Layout*

* Cables are usually in a power track or festoon system. Cable, lead and hose lengths must allow for routing through the system.

ORDERING INFORMATION

To configure an HT4001 system for a particular site, use the following steps as a guide.

In this section, each numbered step is cross-referenced in four areas: in the sample gantry system diagram below; in block diagrams to clarify interfacing components; in the accompanying parts list; and in the specifications section to clarify size and weight of major components. (Block diagrams are offered to clarify connection points and do not necessarily reflect relative sizes or distances between components.) At the end of this section are sample HT4001 configurations.

Note: If the cutting system has a power track for cabling and hosing, be certain to see the **Specifications** section to check hose, cable and connector diameters.

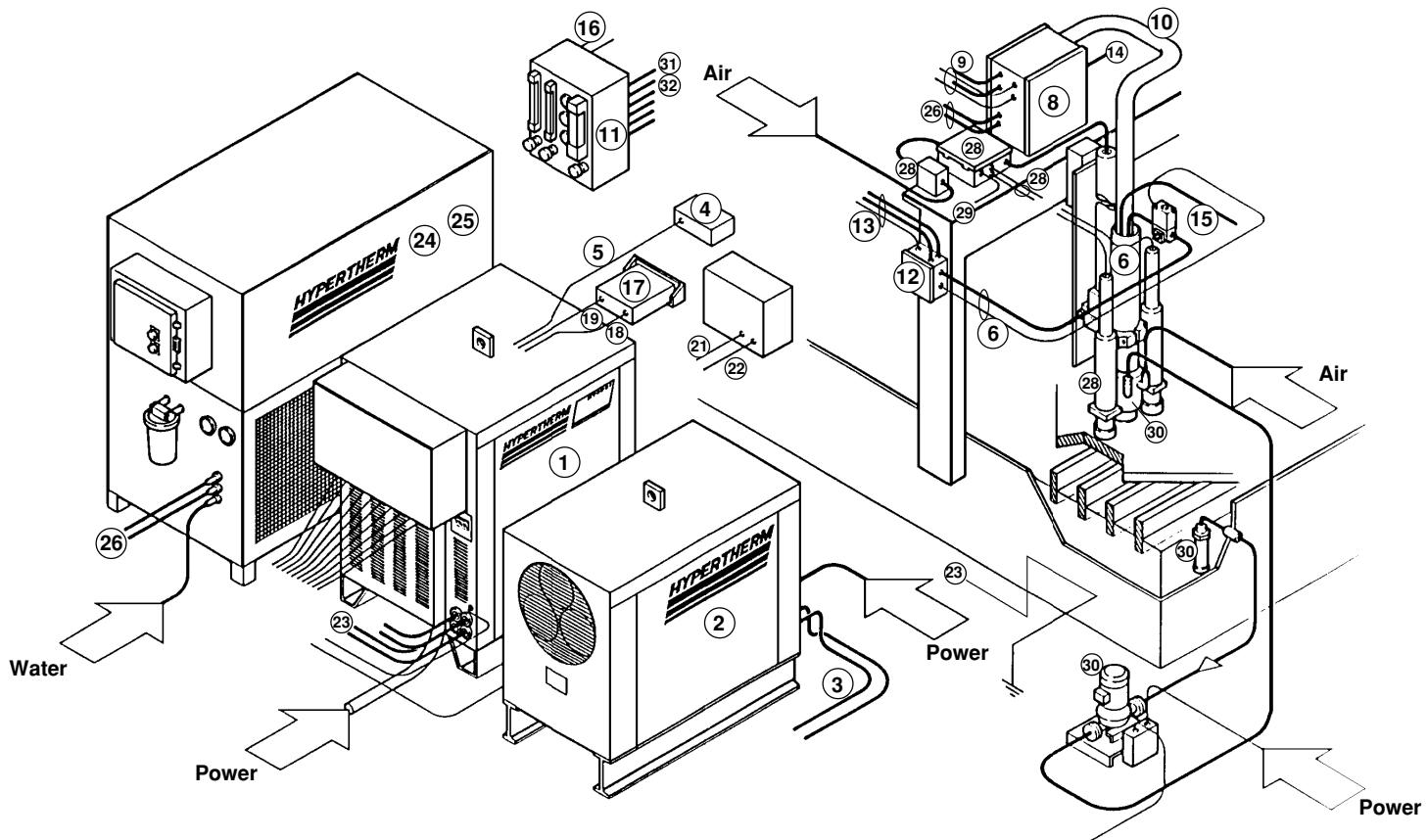


Figure 1-3 HT4001 System in a Gantry Layout

ORDERING PROCEDURE - Required Equipment

1 SPECIFY THE HT4001 POWER SUPPLY

HT4001 Power supply

This unit houses four 100-amp, 15kHz chopper power supplies to produce constant current DC output, variable from 100 to 400 amps. This power supply comes either with (w/) or without (w/o) Torch Height Control (THC). The HT4001 power supply interconnects with the RHF console, IHS, timer/counter, computer interface, remote V/C, water muffler, gas console, motor valve console via the gas console, the optional slave power supply, and the workpiece.

- Determine the placement of the power supply and the voltage available at the site. Multi-voltage power supplies are wired for only one voltage from the factory. In order to have the factory pre-set the power supply to an alternate voltage, first order the part number that contains the correct voltage from the parts list on page 1-7. Next, see if that power supply is normally wired for the desired voltage by checking the table below. If you want it wired for the optional voltage, add the number in the right hand column to the number listed on page 1-7 when ordering.

Multi-Voltage Power Supply	Normally wired for	Optional Voltage(s)	Add this # for Optional V
200/220V	200	220	560131
240/480V	480	240	560132
380/400/415V	380	400 415	560134 560135
575/600V	575	600	560138
440/480V	440	n/a	n/a

2 SPECIFY THE H401 SLAVE POWER SUPPLY

H401 Slave Power supply

Order the H401 slave only if cutting with over 400 amps.

The H401 is a three-phase power source using SCRs in a full-wave bridge rectifier circuit for providing up to 400 amps of power at 100% duty cycle. The H401 is paralleled with the HT4001 power supply and acts as a slave power source for the HT4001 system when cutting with over 400 amps (Note: The total HT4001 system cuts with a maximum of 750 amps.).

- Determine the placement of the slave power supply and the voltage available at the site.

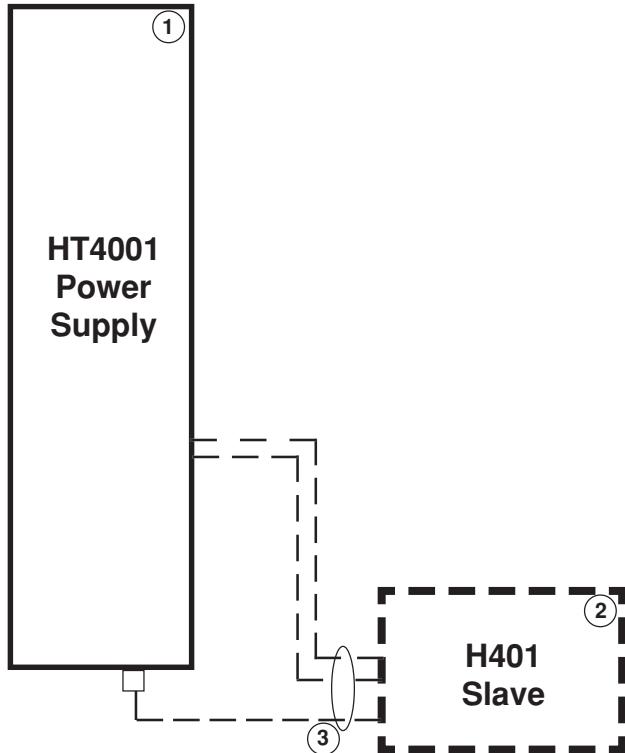
Note: The slave must be located within 20 feet of the HT4001 power supply (see slave interconnect kit below).

Order the H401 slave power supply.

3 SPECIFY THE SLAVE INTERCONNECT KIT

If ordering a slave power supply, you must order the slave interconnect kit. This kit contains two PC boards and a wire harness that have to be mounted in the H-401 power supply as well as two interconnecting 4/0 cables and a serial data cable. The cables attach directly to the HT4001 power supply.

- The 4/0 cable length in this kit is 20 feet long. The serial data cable is 25 feet long.
Order the slave interconnect kit.



- (1) **HT4001 Power Supply**

077002	HT4001 PS w/THC	200/220V, 60 Hz, 3Ø
077003	HT4001 PS w/THC	380/400/415V, 50-60 Hz, 3Ø
077022	HT4001 PS w/THC	380/400/415V, CE, 50-60 Hz, 3Ø
077004	HT4001 PS w/THC	240/480V, 60 Hz, 3Ø
077005	HT4001 PS w/THC	575/600V, 60 Hz, 3Ø
077016	HT4001 PS w/o THC	200/220V, 60 Hz, 3Ø
077017	HT4001 PS w/o THC	380/400/415V, 50-60 Hz, 3Ø
077017	HT4001 PS w/o THC	380/400/415V, CE, 50-60 Hz, 3Ø
077018	HT4001 PS w/o THC	240/480V, 60 Hz, 3Ø
077019	HT4001 PS w/o THC	575/600V, 60 Hz, 3Ø
- (2) **H401 Slave Power Supply**

036038	H401 Power Supply	200V, 50 Hz, 3 Ø
036036	H401 Power Supply	400V, 50 Hz, 3 Ø
036031	H401 Power Supply	480V, 60 Hz, 3 Ø
036033	H401 Power Supply	600V, 60 Hz, 3 Ø
- (3) **Slave Interconnect Kit**
077011 Kit: H401 Slave

Figure 1-4 HT4001 Power Supply, Slave and Slave Interconnect

4

SPECIFY THE TIMER/COUNTER

The timer/counter monitors the number of arc starts and arc time on. This unit interfaces with the HT4001 power supply.

- Order the timer/counter.

5

SPECIFY THE TIMER/COUNTER CABLE

- Determine the location of the timer/counter and distance from the HT4001 power supply and order the timer counter cable.

6

SPECIFY THE TORCH

The torch for the HT4001 is the PAC620. The PAC620 can be ordered as either a bevel-cutting or standard-cutting torch. By changing the water tube and consumable parts, either style of torch can be transformed into the other style. The torch assemblies consist of a torch main body, consumables, torch sleeve and a lead package which consists of a plasma gas hose, one plasma off valve, and one control cable.

- Order the appropriate torch assembly.

7

SPECIFY THE TORCH MOUNTING BRACKET

A torch mounting bracket is needed to attach the torch and valve assembly to the torch lifter on the cutting machine.

- Order the torch mounting bracket.

Note: Do not order this bracket if choosing the IHS option: an alternate torch mounting bracket comes with the IHS system.

8

SPECIFY THE REMOTE HIGH FREQUENCY CONSOLE

This unit houses water plumbing and related control devices as well as the high-frequency starting circuit. The high-frequency starting circuit permits more effective RF shielding and allows the power supplies to be installed at a distance of up to 200 feet from the torch. A cooling water flow switch, injection water flow switch and injection water valve control the flow of gas and water to the torch. Fabrication of mounting brackets may be necessary.

- Determine approximately where the console will be mounted on the cutting machine and note the distance from the HT4001 power supply and the torch. The console is usually mounted on the back of the bridge as close to the torch station as possible. Check the mounting holes and weight of the console to determine where it can best be attached.

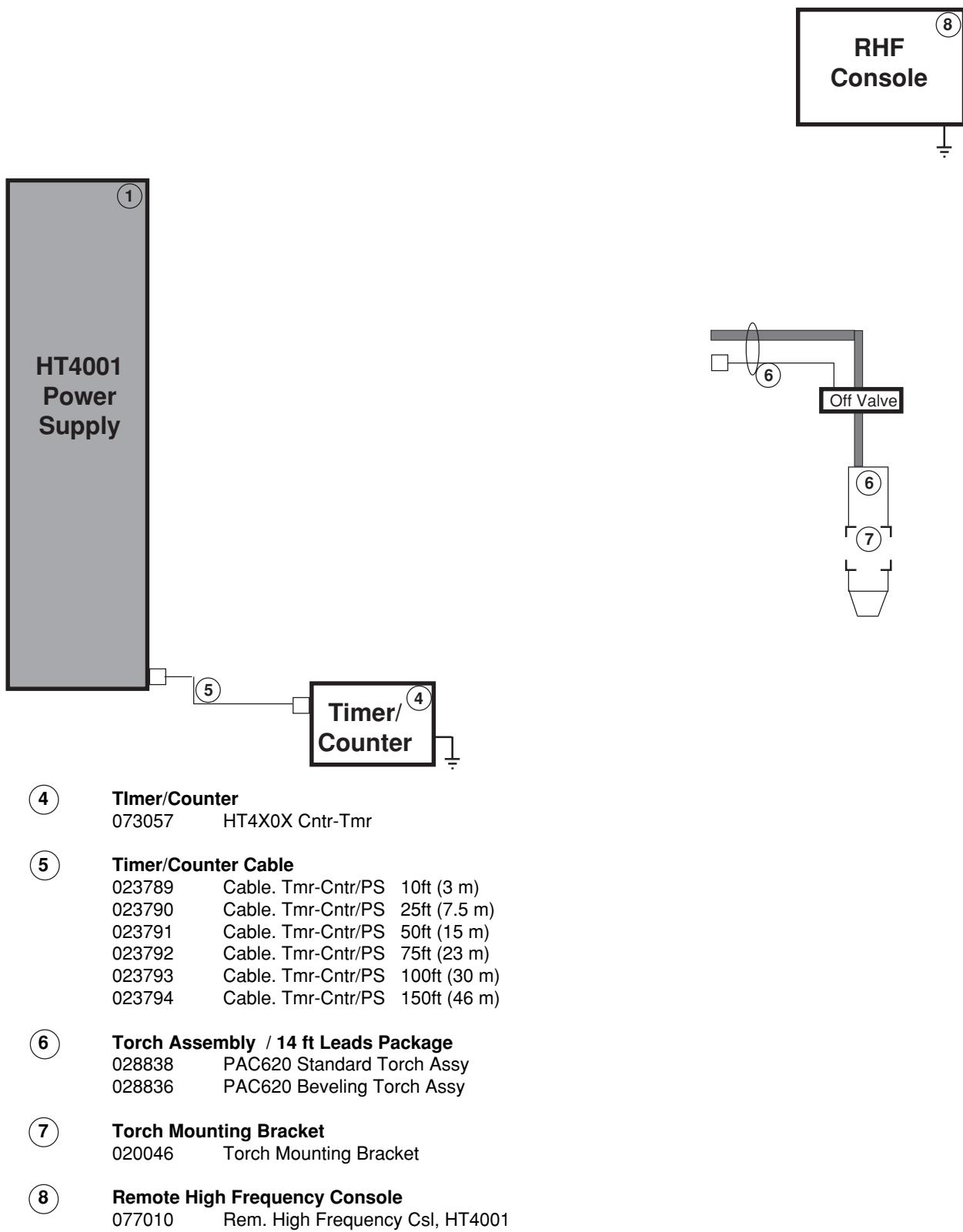


Figure 1-5 Timer/Counter and Cable, Torch, Torch Mounting Bracket, RHF Console

9

SPECIFY THE LEADS BETWEEN THE HT4001 POWER SUPPLY AND THE REMOTE HIGH FREQUENCY CONSOLE

- 9A** This lead package between the HT4001 power supply and the remote high frequency console consists of one negative lead (4/0 cable), one pilot arc lead and one control cable. Order this package when there is no slave power supply in the system.
- 9B** This lead package between the HT4001 power supply and the remote high frequency console consists of two negative leads (4/0 cables), one pilot arc lead and one control cable. Order this package when there is a slave power supply in the system.
- Based on the distance (the path that the leads will have to run) between the HT4001 power supply and the remote high frequency console, specify the appropriate lead package.

10

SPECIFY THE SHIELDED LEADS BETWEEN THE TORCH AND THE REMOTE HIGH FREQUENCY CONSOLE

The shielded lead package between the remote high frequency console and the torch consists of two torch coolant hoses and one pilot arc lead. This lead package is bound together by an external sheathing. If the leads are being placed in a power track, then measure the length from the torch through the power track to the console and allow an extra 3 to 5 feet of length. In a festoon system, measure the width of the bridge and double it for lead length.

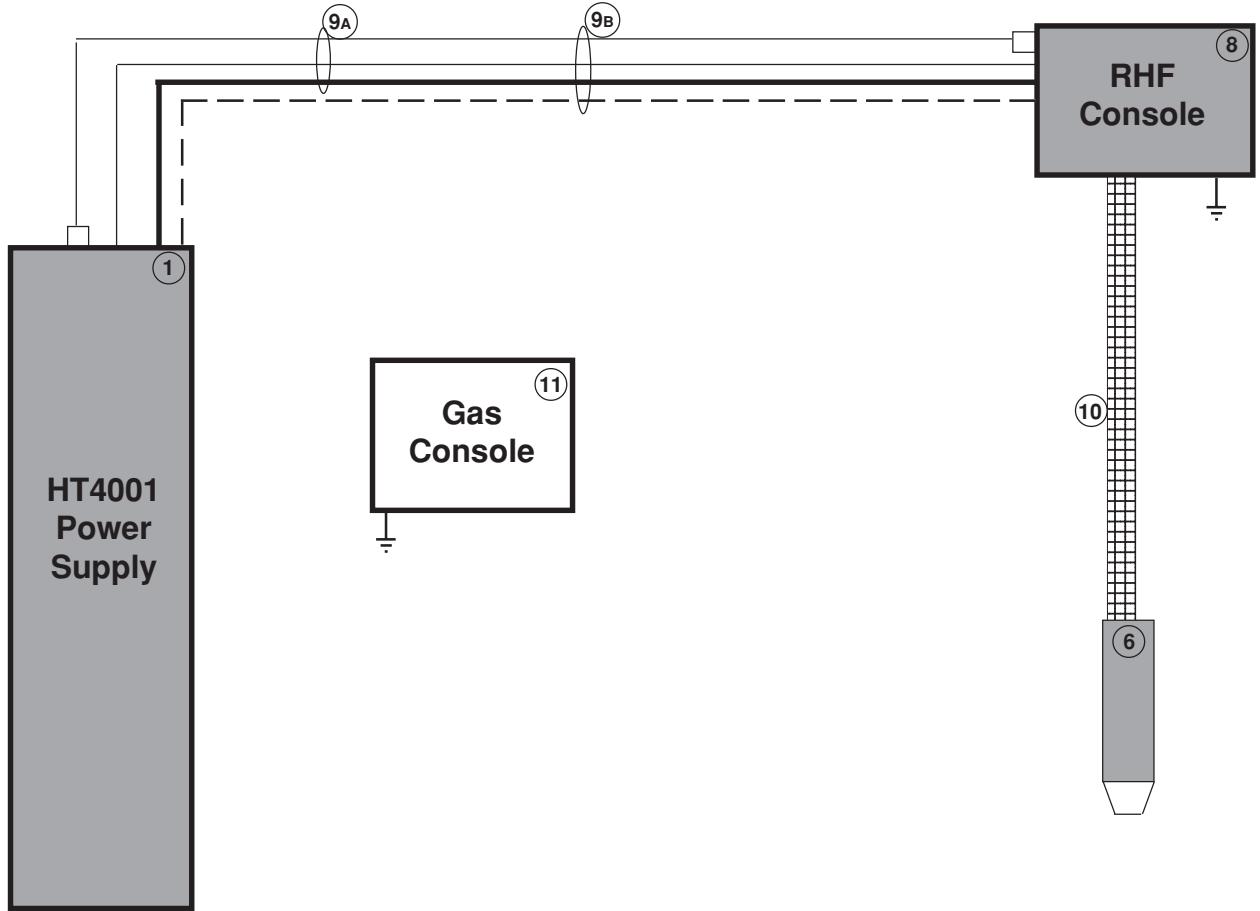
- Based on the distance between the torch and the remote high frequency console and the above considerations, specify the appropriate lead package.

11

SPECIFY THE GAS CONSOLE

This unit houses valves for plasma gas flow control as well as flowmeters for plasma gas and injection water, metering valves for preflow and operating plasma gas flow, a metering valve for adjustment of injection water flow, and three switches: one to choose between oxygen or nitrogen, another to select either test preflow, test operate, or run modes, and a third to adjust flows during operating mode. The gas console interfaces with the gas supplies, the RHF console, the motor valve console, the torch and the HT4001 power supply. Fabrication of a mounting bracket may be necessary.

- The gas console should be mounted in a convenient location for the operator - usually next to the cutting machine controller. Determine approximately where the console will be mounted in relation to the operator, HT4001 power supply, gas supplies, motor valve console, remote high frequency console, and the torch. Check mounting holes and weight and order the gas console.



- (9A) Leads Between HT4001 Power Supply (w/o Slave) and Remote High Frequency Console**
- | | | | | | |
|--------|-------------------|-----------------|--------|-------------------|-----------------|
| 028794 | Leads, PS/RHF Csl | 50 ft (15.3 m) | 028797 | Leads, PS/RHF Csl | 150 ft (45.8 m) |
| 028795 | Leads, PS/RHF Csl | 75 ft (22.9 m) | 028798 | Leads, PS/RHF Csl | 200 ft (61 m) |
| 028796 | Leads, PS/RHF Csl | 100 ft (30.5 m) | | | |
| 128065 | Leads, PS/RHF Csl | 110 ft (33.6 m) | | | |
- (9B) Leads Between HT4001 Power Supply (w/ Slave) and Remote High Frequency Console**
- | | | | | | |
|--------|-------------------|-----------------|--------|-------------------|-----------------|
| 028799 | Leads, PS/RHF Csl | 50 ft (15.3 m) | 028802 | Leads, PS/RHF Csl | 150 ft (45.8 m) |
| 028800 | Leads, PS/RHF Csl | 75 ft (22.9 m) | 128044 | Leads, PS/RHF Csl | 170 ft (51.9 m) |
| 028801 | Leads, PS/RHF Csl | 100 ft (30.5 m) | 028803 | Leads, PS/RHF Csl | 200 ft (61 m) |
| 128080 | Leads, PS/RHF Csl | 125 ft (38.1 m) | | | |
- (10) Shielded Leads Between Torch and Remote High Frequency Console**
- | | | | | | |
|--------|---------------------------|---------------|--------|---------------------------|----------------|
| 028508 | Shld Leads, RHF Csl/Torch | 10 ft (3 m) | 028513 | Shld Leads, RHF Csl/Torch | 35 ft (10.7 m) |
| 028509 | Shld Leads, RHF Csl/Torch | 15 ft (4.6 m) | 028514 | Shld Leads, RHF Csl/Torch | 40 ft (12.2 m) |
| 028510 | Shld Leads, RHF Csl/Torch | 20 ft (6 m) | 028515 | Shld Leads, RHF Csl/Torch | 45 ft (13.7 m) |
| 028511 | Shld Leads, RHF Csl/Torch | 25 ft (7.6 m) | 028516 | Shld Leads, RHF Csl/Torch | 50 ft (15.3 m) |
| 028512 | Shld Leads, RHF Csl/Torch | 30 ft (9.2 m) | 028770 | Shld Leads, RHF Csl/Torch | 55 ft (16.8 m) |
| | | | 028771 | Shld Leads, RHF Csl/Torch | 60 ft (18.3 m) |
- (11) Gas Console**
073216 Gas Csl, HT4001

Figure 1-6 RHF Leads, Shielded Leads, Gas Console

(12)

SPECIFY THE MOTOR VALVE CONSOLE

This unit houses a plasma gas metering valve and a preflow/operate solenoid valve. Plasma and preflow gas lines and an interface cable connect the motor valve console to the gas console. The motor valve console also interfaces with the torch via a lead set consisting of a plasma gas hose, a plasma off valve and one control cable. (See Figure 1-5)

Note: The motor valve console must be mounted within 10 feet (3 m) of the torch. In most cases, this means that the valve console will be mounted to the torch lifter station. Fabrication of mounting brackets may be necessary.

- Determine where the motor valve console will be mounted in relation to the torch and the gas console, and order the console.

(13)

SPECIFY THE LEADS BETWEEN THE GAS CONSOLE AND THE MOTOR VALVE CONSOLE

The lead package between the gas console and the motor valve console consists of one plasma preflow gas hose, one plasma cut flow gas hose, and one control cable.

- Based on the distance (the path the leads will take) between the gas console and the motor valve console, specify the appropriate leads.

(14)

SPECIFY THE WATER INJECTION HOSE BETWEEN THE GAS CONSOLE AND THE REMOTE HIGH FREQUENCY CONSOLE

- Based on the distance (the path the leads will take) between the gas console and the remote high frequency console, specify the appropriate hose length.

(15)

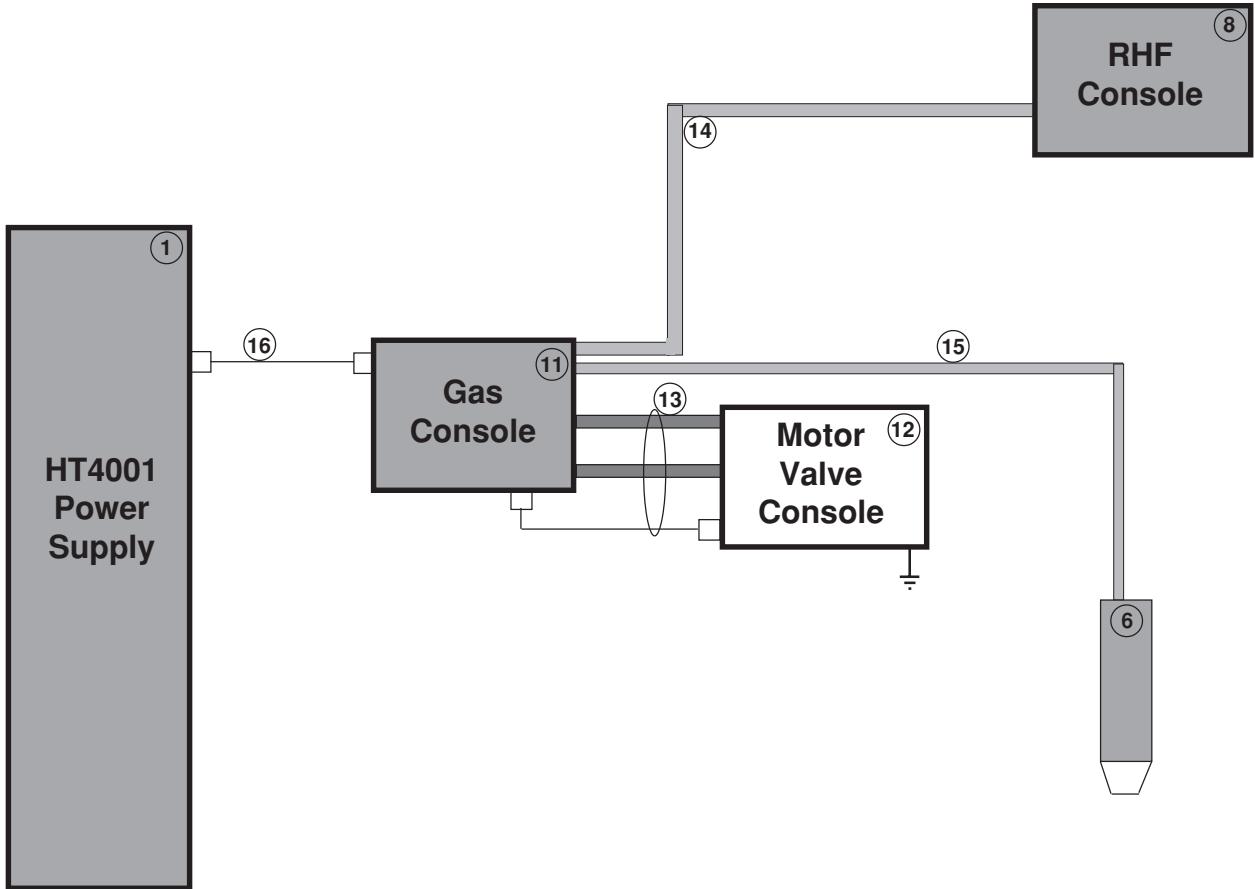
SPECIFY THE WATER INJECTION HOSE BETWEEN THE GAS CONSOLE AND THE TORCH

- Based on the distance between the gas console and the torch, and allowing for the travel of the torch, specify the appropriate part number.

(16)

SPECIFY THE CABLE BETWEEN THE GAS CONSOLE AND THE HT4001 POWER SUPPLY

- Based on the distance (the path the leads will take) between the gas console and the



(12) Motor Valve Console
073073 Motor Valve Csl, HT4001

(13) Leads Between Gas Csl and Motor Valve Csl

028667	Leads, Gas Csl/Mtr Valve Csl	15 ft (4.5 m)
028668	Leads, Gas Csl/Mtr Valve Csl	20 ft (6 m)
028646	Leads, Gas Csl/Mtr Valve Csl	25 ft (7.5 m)
028669	Leads, Gas Csl/Mtr Valve Csl	30 ft (9 m)

028670	Leads, Gas Csl/Mtr Valve Csl	35 ft (10.5 m)
028671	Leads, Gas Csl/Mtr Valve Csl	40 ft (12 m)
028672	Leads, Gas Csl/Mtr Valve Csl	45 ft (13.5 m)
028647	Leads, Gas Csl/Mtr Valve Csl	50 ft (15 m)
028788	Leads, Gas Csl/Mtr Valve Csl	56 ft (17 m)

(14) Water Inj. Hose Between Gas Csl and RHF Csl

024032	Hose, Gas Csl/RHF Csl	10 ft (3 m)
024261	Hose, Gas Csl/RHF Csl	11.5 ft (3.5 m)
024033	Hose, Gas Csl/RHF Csl	15 ft (4.5 m)
024018	Hose, Gas Csl/RHF Csl	20 ft (6 m)
024034	Hose, Gas Csl/RHF Csl	25 ft (7.5 m)
024035	Hose, Gas Csl/RHF Csl	30 ft (9 m)

024036	Hose, Gas Csl/RHF Csl	35 ft (10.5 m)
024037	Hose, Gas Csl/RHF Csl	40 ft (12 m)
024208	Hose, Gas Csl/RHF Csl	45 ft (13.5 m)
024258	Hose, Gas Csl/RHF Csl	50 ft (15 m)
024128	Hose, Gas Csl/RHF Csl	60 ft (18 m)
024345	Hose, Gas Csl/RHF Csl	75 ft (23 m)
024346	Hose, Gas Csl/RHF Csl	100 ft (30 m)

(15) Water Inj. Hose Between Gas Csl and Torch

024032	Hose, Gas Csl/Torch	10 ft (3 m)
024261	Hose, Gas Csl/Torch	11.5 ft (3.5 m)
024033	Hose, Gas Csl/Torch	15 ft (4.5 m)
024018	Hose, Gas Csl/Torch	20 ft (6 m)
024034	Hose, Gas Csl/Torch	25 ft (7.5 m)

024035	Hose, Gas Csl/Torch	30 ft (9 m)
024036	Hose, Gas Csl/Torch	35 ft (10.5 m)
024037	Hose, Gas Csl/Torch	40 ft (12 m)
024208	Hose, Gas Csl/Torch	45 ft (13.5 m)
024258	Hose, Gas Csl/Torch	50 ft (15 m)

(16) Cable Between Gas Csl and HT4001 PS

023496	Cable, Gas Csl/PS	50 ft (15 m)
023497	Cable, Gas Csl/PS	75 ft (23 m)
023498	Cable, Gas Csl/PS	100 ft (30 m)
023499	Cable, Gas Csl/PS	150 ft (46 m)

023500	Cable, Gas Csl/PS	200 ft (61 m)
023812	Cable, Gas Csl/PS	250 ft (76 m)
023819	Cable, Gas Csl/PS	300 ft (92 m)
023576	Cable, Gas Csl/PS	350 ft (107 m)

Figure 1-7 Motor Valve Console, Gas Console Connections

(17)

SPECIFY THE REMOTE VOLTAGE/CURRENT (V/C) CONTROL

There are three options for remote voltage/current control and/or display with the HT4001 system: the digital voltage/current control, the programmable voltage/current display, and the remote current control. All units interface with the HT4001 power supply.

Digital Remote (DR)

Includes voltage and current displays and two potentiometers used by the operator to select the desired voltage and current values prior to starting the arc. After the arc is initiated, the displays automatically switch to show the actual values of the voltage and current reached. The digital remote is used with guidance machinery that already includes control switches for THC and IHS.

Programmable Remote (PR)

Includes the voltage and current displays. No switches or potentiometers are included. All functions are controlled by the guidance machinery computer.

Current Remote (CR or RCC)

Used with HT4001 without THC applications. Includes a thumbwheel switch and display for setting cutting current.

- Determine where the remote control unit will be mounted (usually close to the machine control station) in relation to the HT4001 power supply, and the operator. Select the remote unit that best fits the application.

(18)

SPECIFY THE DIGITAL REMOTE CONTROL CABLE

There is one serial cable that connects between the digital remote and the HT4001 power supply.

- Based on the distance between the digital remote and the HT4001 power supply, specify the appropriate part number.

(19)

SPECIFY THE PROGRAMMABLE REMOTE CONTROL CABLES

If ordering a programmable remote, this two-cable set must be ordered to connect between the programmable remote and the HT4001 power supply.

- Based on the distance between the programmable remote and the power supply, specify the appropriate part number.

(20)

SPECIFY THE REMOTE CURRENT CONTROL CABLE

If ordering a current remote, a cable must be ordered to connect between the remote current control (current remote) and the HT4001 power supply.

- Based on the distance between the current remote and the power supply, specify the appropriate part number.

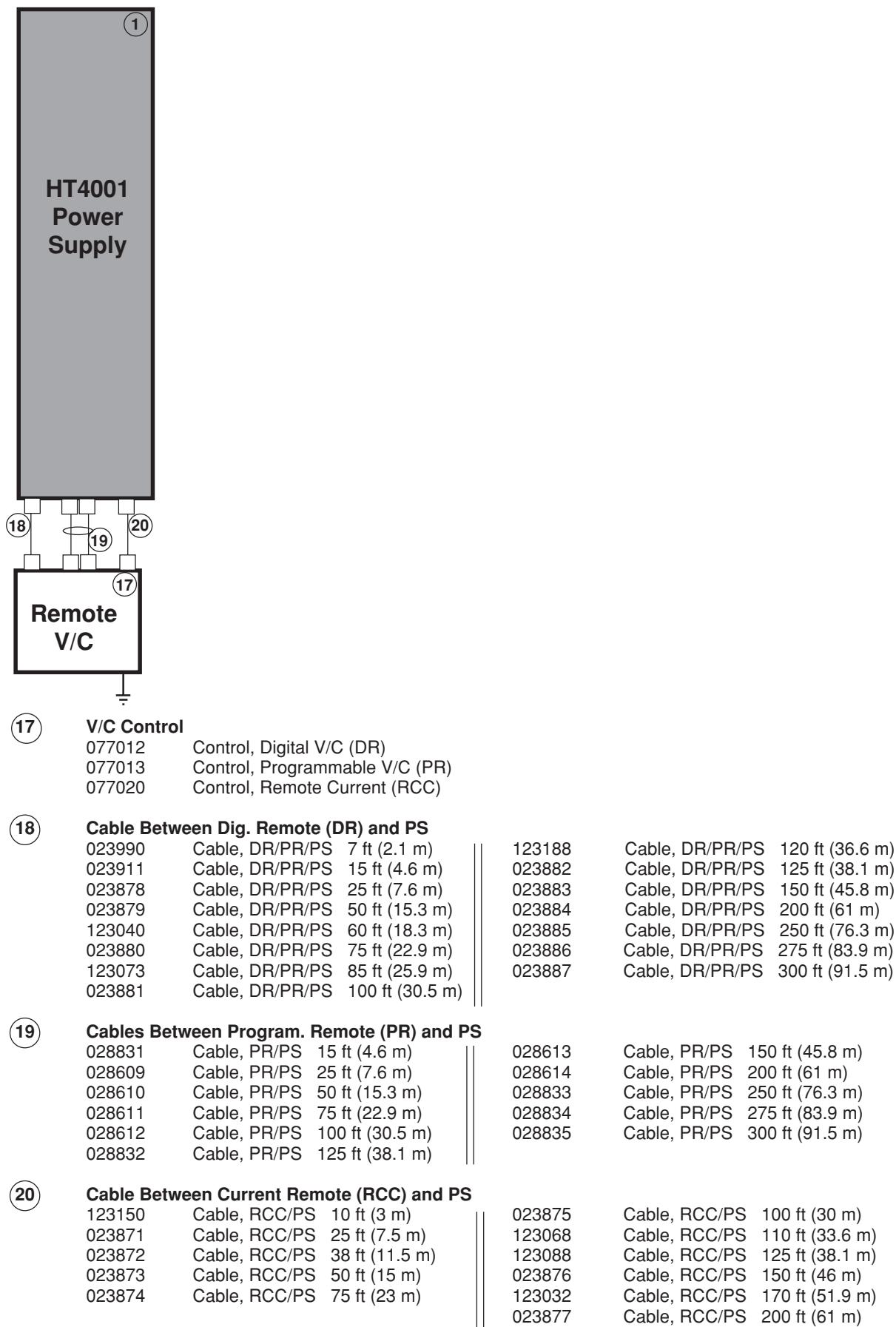


Figure 1-8 Remote V/C and Cables

(21)

SPECIFY THE I/O CABLE BETWEEN THE HT4001 POWER SUPPLY AND THE MACHINE COMPUTER

- Determine the necessary length of the machine input/output (I/O) cable and order the appropriate part number.

(22)

SPECIFY THE V/C CABLE BETWEEN THE HT4001 POWER SUPPLY AND THE MACHINE COMPUTER

Order the voltage/current (V/C) machine computer cable if the cutting machine's computer will be used to set voltage and current. This cable is needed if you order the programmable remote. It is not needed when using the digital remote.

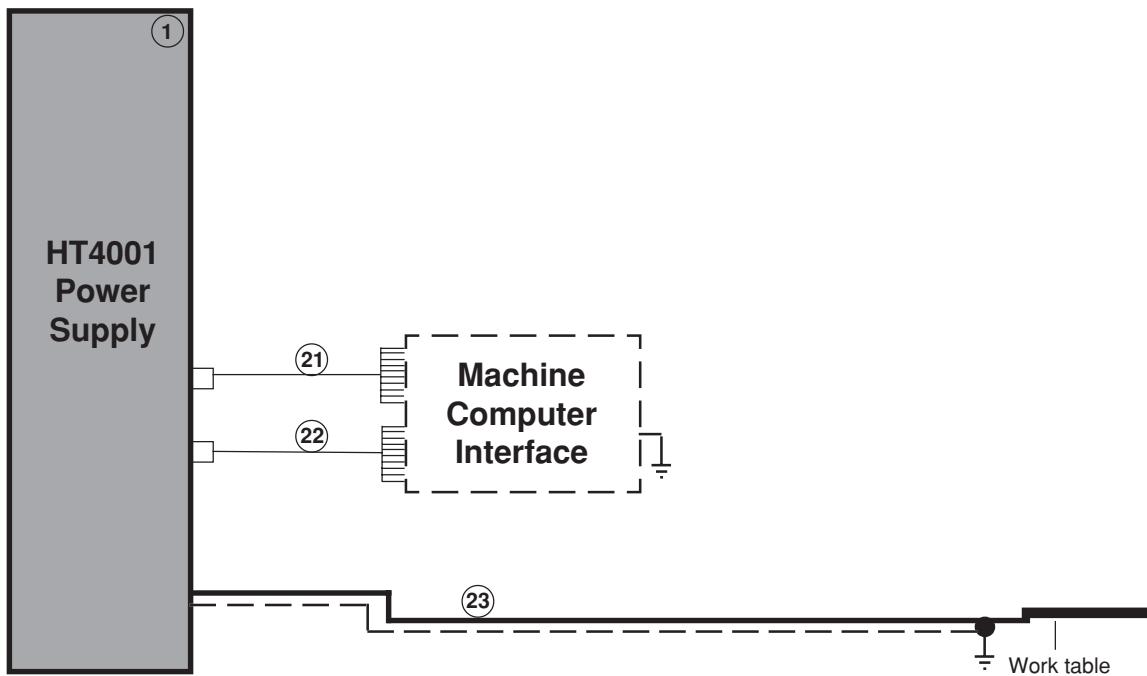
- Determine the necessary length of the machine V/C cable and order the appropriate part number.

(23)

SPECIFY THE WORK CABLE BETWEEN THE HT4001 POWER SUPPLY AND THE WORK TABLE

The work (positive) cable connects the positive side of the HT4001 power supply circuit to the workpiece via the cutting table. It should be kept as short as possible. If a slave power supply is in the system, order two positive cables.

- Determine the necessary length for the work cable and order the appropriate part number.



②1 I/O Cable Between PS and Mach. Comp.

023892	Cable, PS/Mach. Interface, 25 Ft
023893	Cable, PS/Mach. Interface, 50 Ft
023894	Cable, PS/Mach. Interface, 75 Ft
023895	Cable, PS/Mach. Interface, 100 Ft
023896	Cable, PS/Mach. Interface, 150 Ft
023897	Cable, PS/Mach. Interface, 200 Ft

②2 V/C Cable Between PS and Mach. Comp.

023851	Cable, PS/Mach. Interface, 15 Ft
023852	Cable, PS/Mach. Interface, 25 Ft
023854	Cable, PS/Mach. Interface, 50 Ft
023855	Cable, PS/Mach. Interface, 75 Ft
023856	Cable, PS/Mach. Interface, 100 Ft
023857	Cable, PS/Mach. Interface, 150 Ft
023858	Cable, PS/Mach. Interface, 200 Ft

③ Cable Between PS and Work Table (x2 w/Slave)

023136	Cable, MPS/Wrk Tbl 4/0 x 20 Ft
023078	Cable, MPS/Wrk Tbl 4/0 x 25 Ft
023101	Cable, MPS/Wrk Tbl 4/0 x 30 Ft
023135	Cable, MPS/Wrk Tbl 4/0 x 40 Ft
023079	Cable, MPS/Wrk Tbl 4/0 x 50 Ft

Figure 1-9 Machine Computer Interface Cables, Work Cables

24

SPECIFY THE WATER CHILLER FOR 1-TORCH SYSTEMS

The water chiller for the HT4001 system is a refrigeration unit that is capable of reducing the water coolant temperature to the electrode well below ambient air and water supply temperature. Having this capability greatly increases the life of the nozzle and electrode. The water chiller is a three-phase power system that directly interfaces with the RHF console. A source of supply water must be available. A water softener may also be required. See **Pre-Installation** in the HT4001 instruction manual (#802000).

There are two types of water chillers for use with a one-torch HT4001 system: a 1-torch 600 Amp chiller and a 1-torch 1000 Amp system. Order the 1000 Amp system if cutting with over 400 amps.

The water chiller should be located near the power track or festoon entrance (see Figure 1-3 on pg. 1-5). It must be level to ensure the water level control switches function properly. The unit should be bolted to the floor, and, if possible, near a floor drain. The water chiller must have at least 10 inches (254 mm) of free air space at the condenser inlet and outlet.

- Determine the available voltage and where the water chiller will be placed. Order the appropriate system from the parts list on page 1-19.

25

SPECIFY THE WATER CHILLER(S) FOR MULTI-TORCH SYSTEMS

When specifying a multi-torch system, the proper number of water chillers will need to be specified for the number of torches being used. For example; a 3-torch system would require one 2-torch water chiller plus one 1-torch water chiller, while a 2-torch system would require only one 2-torch water chiller.

The water chiller(s) should be located near the power track or festoon entrance (see Figure 1-3 on pg. 1-5). It (they) must be level to ensure the water level control switches function properly. The unit(s) should be bolted to the floor, and, if possible, near a floor drain. The water chiller(s) must have at least 10 inches (254 mm) of free air space at the condenser inlet and outlet.

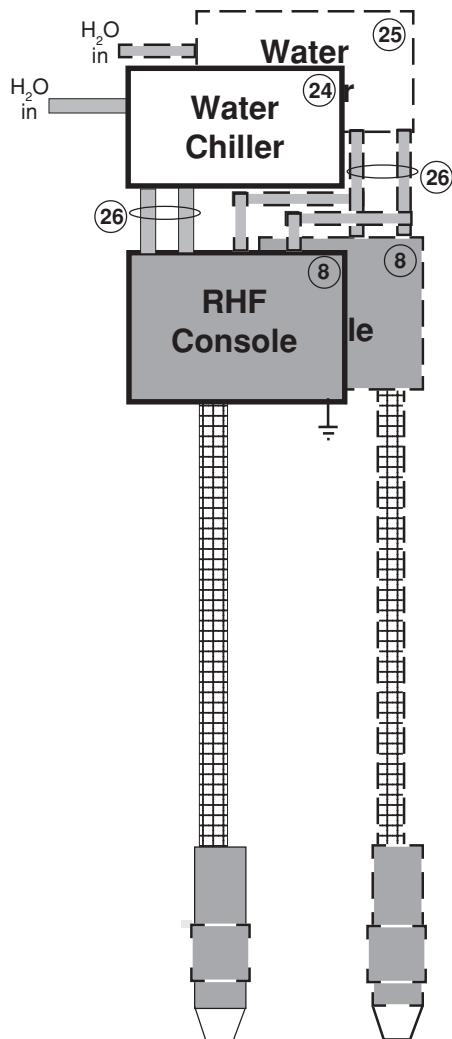
- Determine the available voltage and where the water chiller(s) will be placed. Order the appropriate system from the parts list on page 1-19.

26

SPECIFY THE COOLING HOSE SET BETWEEN THE WATER CHILLER AND THE RHF CONSOLE

The cooling hose set contains two cooling hoses. There are two hoses in the cooling hose set for a 1-torch system, and four hoses in the 2-torch system. Therefore, double the cooling hose set order for a 2-torch system. Hoses are connected to the RHF console and the water chiller.

- Determine the length of hosing needed (the path that the hoses will run) to connect to the RHF console, and order from the parts list on page 1-19.



(24) Water Chiller, 1-Torch

- | | |
|--------|--------------------------------|
| 039099 | Water Chiller, 200V, 600A, 1T |
| 039116 | Water Chiller, 240V, 600A, 1T |
| 039102 | Water Chiller, 380V, 600A, 1T |
| 039101 | Water Chiller, 415V, 600A, 1T |
| 039103 | Water Chiller, 440V, 600A, 1T |
| 039098 | Water Chiller, 480V, 600A, 1T |
| 039100 | Water Chiller, 575V, 600A, 1T |
| 039111 | Water Chiller, 200V, 1000A, 1T |
| 039118 | Water Chiller, 240V, 1000A, 1T |
| 039114 | Water Chiller, 380V, 1000A, 1T |
| 039113 | Water Chiller, 415V, 1000A, 1T |
| 039115 | Water Chiller, 440V, 1000A, 1T |
| 039110 | Water Chiller, 480V, 1000A, 1T |
| 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|--------|-------------------------------|
| 039105 | Water Chiller, 200V, 600A, 2T |
| 039117 | Water Chiller, 240V, 600A, 2T |
| 039108 | Water Chiller, 380V, 600A, 2T |
| 039107 | Water Chiller, 415V, 600A, 2T |
| 039109 | Water Chiller, 440V, 600A, 2T |
| 039104 | Water Chiller, 480V, 600A, 2T |
| 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl (For 2-torch systems, double the order)

- | | |
|--------|--|
| 028652 | 2 Hose Set, RHF Cooling, 10 ft (3 m) |
| 028440 | 2 Hose Set, RHF Cooling, 15 ft (4.5 m) |
| 028653 | 2 Hose Set, RHF Cooling, 20 ft (9 m) |
| 028441 | 2 Hose Set, RHF Cooling, 25 ft (7.5 m) |
| 028442 | 2 Hose Set, RHF Cooling, 50 ft (15 m) |
| 028443 | 2 Hose Set, RHF Cooling, 75 ft (23 m) |
| 028444 | 2 Hose Set, RHF Cooling, 100 ft (31 m) |
| 028445 | 2 Hose Set, RHF Cooling, 150 ft (46 m) |
| 028637 | 2 Hose Set, RHF Cooling, 200 ft (61 m) |

Figure 1-10 Water Chiller, Cooling Hoses

ORDERING PROCEDURE - Optional and Additional Equipment

(27)

SPECIFY THE HOLD CABLE

If the application will use a two-torch system, a hold cable is required to interface the power supplies.

- Determine where to position the additional power supplies, and order the appropriate hold cable from the parts list on page 1-21.

(28)

SPECIFY THE INDUCTIVE INITIAL HEIGHT SENSING (IHS) SYSTEM

This unit, consisting of a control box with two inductive probes, is designed to automatically detect the workpiece surface and index the torch to the pierce position. This system can be used for underwater, at the water line, or above-water applications. This unit interconnects with the HT4001 power supply through the IHS lead set and the inductive probes, and requires an air supply to operate.

The IHS console must be located within 40 feet of the torch. See Specifications in Section 2 for weight and mounting requirements.

Note: The IHS system includes a special torch mounting bracket (#004083). The standard torch mounting bracket (#020046) is not used when the IHS is used.

- Order the IHS system number. This number includes the IHS console, torch mounting bracket, air cylinder and inductive sensor assemblies.

(28A)

SPECIFY THE IHS AIR REGULATOR

- Order the air regulator for the IHS system.

(28B)

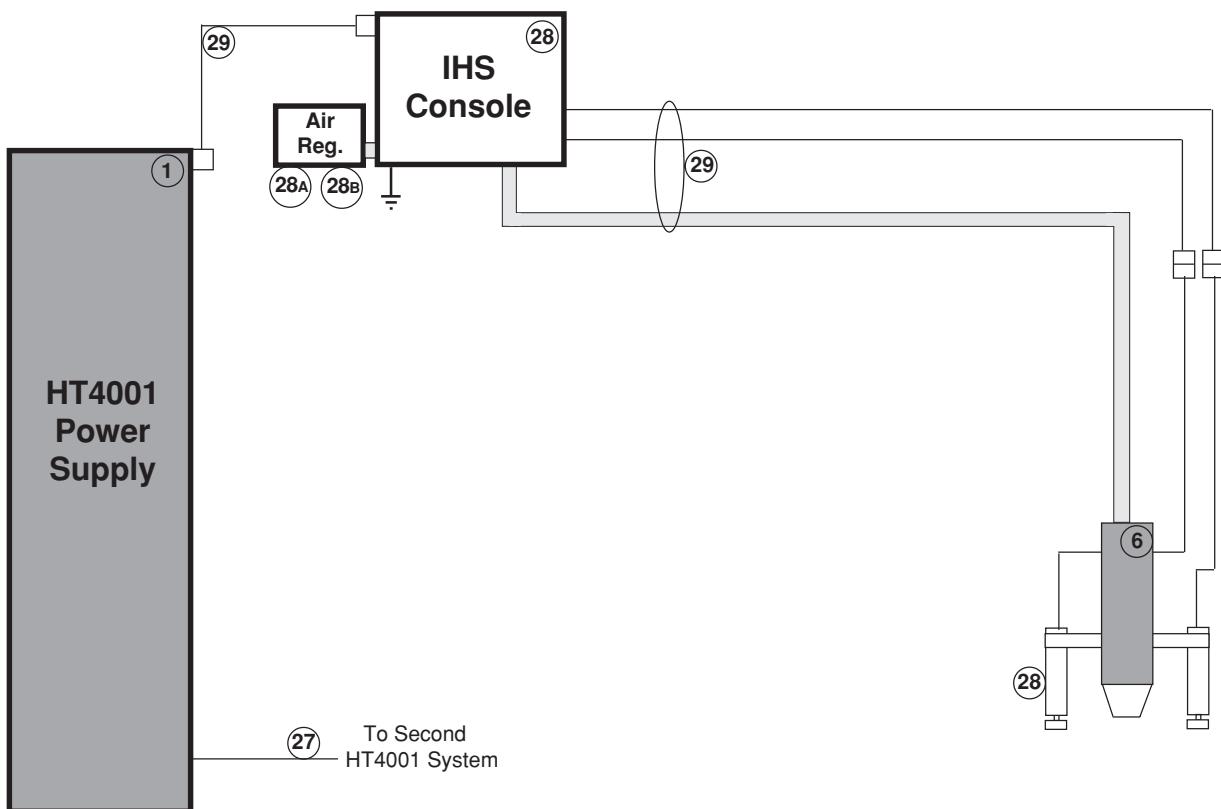
SPECIFY THE IHS AIR REGULATOR MOUNTING BRACKET

- Order the air regulator mounting bracket for the IHS system.

(29)

SPECIFY THE INDUCTIVE IHS LEAD SET

- Order the IHS lead set. The lead set consists of two 40-foot sensor probe cables, a 50-foot air cylinder hose, and a control cable that connects to the HT4001 power supply. Based on the distance between the HT4001 power supply and the IHS console, select the appropriate number from the parts list on page 1-21.



(27) Hold Cable (2-Torch Systems)

023340	Hold Cable, 2T System, 15 ft (4.5 m)
023341	Hold Cable, 2T System, 25 ft (7.5 m)
023342	Hold Cable, 2T System, 50 ft (15 m)
023343	Hold Cable, 2T System, 100 ft (31 m)
023344	Hold Cable, 2T System, 150 ft (46 m)

(28) Ind. Initial Height Sensing (IHS) System

028720	Inductive IHS
--------	---------------

(28A) Inductive IHS Regulator, Air

011023	Regulator, Air
--------	----------------

(28B) Ind. IHS Regulator Mounting Bracket

001160	Mounting Bracket, Air Regulator
--------	---------------------------------

(29) Inductive IHS Lead Set

028811	Lead Set, Inductive IHS 25 ft (7.5 m)
028812	Lead Set, Inductive IHS 50 ft (15 m)
028813	Lead Set, Inductive IHS 75 ft (23 m)
028814	Lead Set, Inductive IHS 100 ft (31 m)
028815	Lead Set, Inductive IHS 150 ft (46 m)
028816	Lead Set, Inductive IHS 200 ft (61 m)

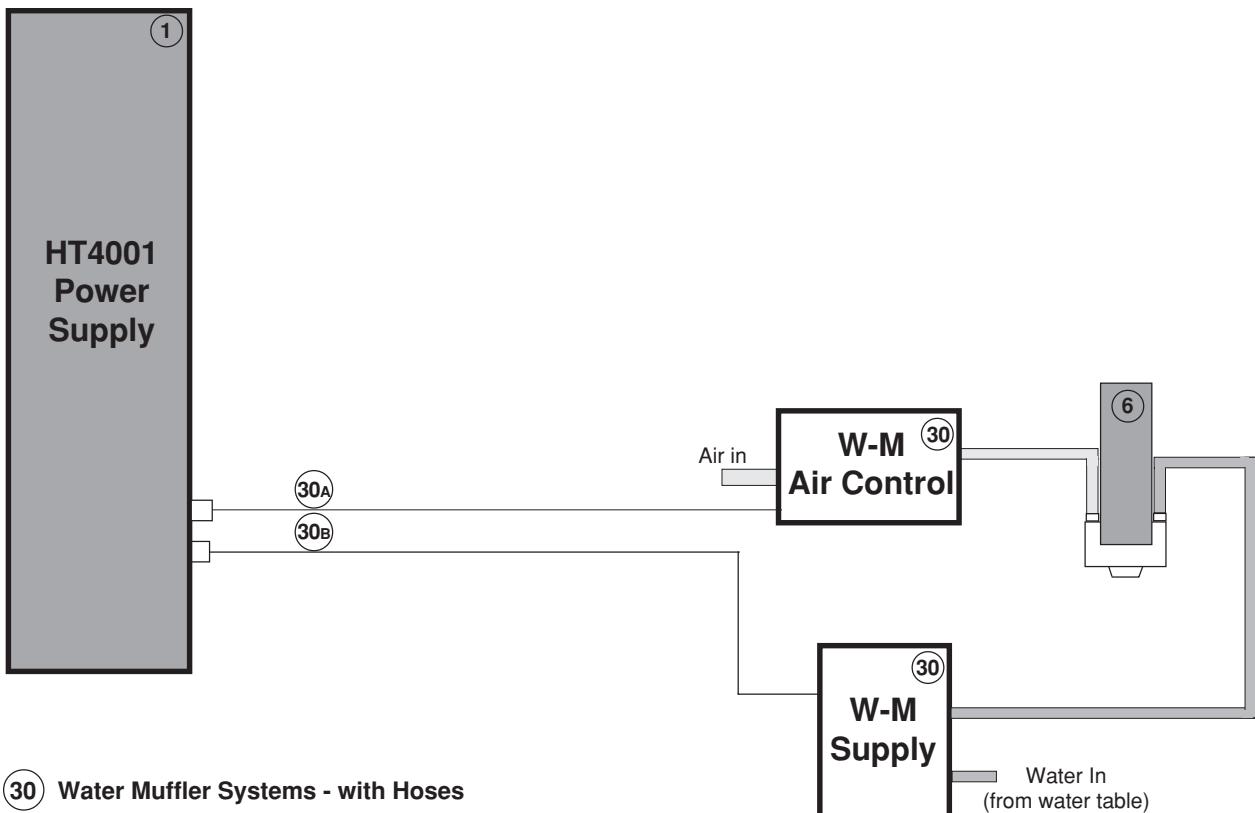
Figure 1-11 Hold Cable, IHS System

(30)

SPECIFY THE WATER MUFFLER SYSTEM

The air-injected water muffler for the HT4001 system is an option which greatly improves cutting safety and pollution control capabilities. A water table must be installed in order to use this option. The water muffler can be used to cut both above and below water. Supply water is taken from the water table. An air supply is also required. The system consists of a nozzle assembly, an air control box, a water pump, a filter,strainer, and two 50 ft (15 m) control cables, a 50 ft (15 m) hose, and a four ft (1 m) hose. Systems can be ordered with or without the hoses. See page 1-23 for system interface configuration.

- Determine the voltage available at the site (for the pump), and whether the customer wants to provide his/her own hosing or not. Order the appropriate system from the parts list on page 1-23.
- For installations requiring longer hose lengths and longer control cables, specify the additional lengths required with the appropriate additional length part numbers.



(30) Water Muffler Systems - with Hoses

- 034126 Water Muffler, w/ Hoses, 230/460V
- 034128 Water Muffler, w/ Hoses, 380/415V
- 034130 Water Muffler, w/ Hoses, 575V

(30) Water Muffler Systems - without Hoses

- 034127 Water Muffler, w/o Hoses, 230/460V
- 034129 Water Muffler, w/o Hoses, 380-415V
- 034131 Water Muffler, w/o Hoses, 575V

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|--|---|
| 023905 Cable, PS/WM Air Cntrl. 25 ft (7.5 m)
023906 Cable, PS/WM Air Cntrl. 50 ft (15 m)
023907 Cable, PS/WM Air Cntrl. 75 ft (23 m) | 023908 Cable, MPS/WM Air Cntrl. 100 ft (31 m)
023909 Cable, MPS/WM Air Cntrl. 150 ft (46 m)
023910 Cable, MPS/WM Air Cntrl. 200 ft (61 m) |
|--|---|

(30B) Additional Length WM Cables - PS to WM Pump

- 023866 Cable, PS/WM Pump, 50 ft (15 m)
- 023867 Cable, PS/WM Pump, 75 ft (23 m)
- 023868 Cable, PS/WM Pump, 100 ft (31 m)

(30C) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in ft.)

Figure 1-12 Water Muffler System, Cables and Hoses

(31)

SPECIFY THE HOSE BETWEEN O₂ GAS SUPPLY AND THE GAS CONSOLE

Hypertherm offers hosing to interface from the oxygen source supply to the gas console.

- Determine the necessary length for the supply hosing, and order the appropriate part number.

(32)

SPECIFY THE HOSE BETWEEN N₂ GAS SUPPLY AND THE GAS CONSOLE

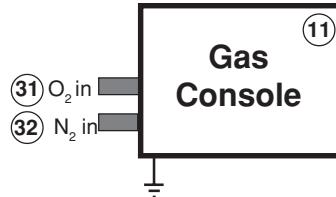
Hypertherm offers hosing to interface from the nitrogen source supply to the gas console.

- Determine the necessary length for the supply hosing, and order the appropriate part number.

SPARE PARTS KITS

The spare parts kits provide an initial supply of consumables, O-rings, tools and silicone grease.

Depending on which type of HT4001 system was ordered (with or without slave, CE or non-CE) and which type of torch was ordered (beveling or standard) order the appropriate spare parts kit.



(31)

Hose Between O2 Supply and Gas Csl

024204	Hose, O2 Supply, 15 ft (4.6 m)		024450	Hose, O2 Supply, 115 ft (35.1 m)
024205	Hose, O2 Supply, 25 ft (7.6 m)		024516	Hose, O2 Supply, 120 ft (36.6 m)
024155	Hose, O2 Supply, 50 ft (15.3 m)		024490	Hose, O2 Supply, 125 ft (38.1 m)
024398	Hose, O2 Supply, 75 ft (22.9 m)		024159	Hose, O2 Supply, 150 ft (45.8 m)
024487	Hose, O2 Supply, 85 ft (25.9 m)		024470	Hose, O2 Supply, 180 ft (54.9 m)
024206	Hose, O2 Supply, 100 ft (30.5 m)		024333	Hose, O2 Supply, 200 ft (61 m)
024481	Hose, O2 Supply, 110 ft (33.6 m)			

(32)

Hose Between N2 Supply and Gas Csl

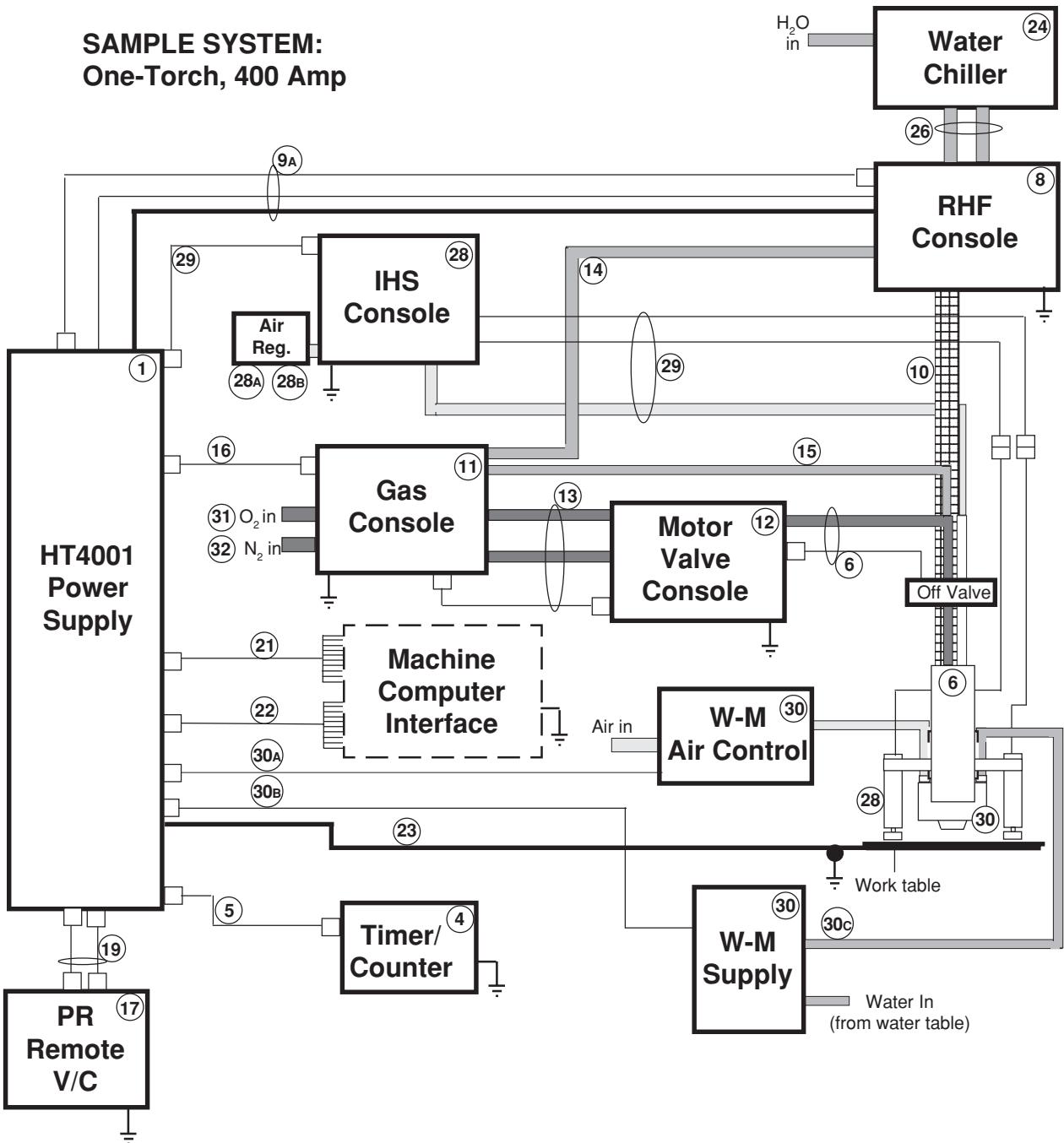
024505	Hose, N2 Supply, 6 ft (1.8 m)		024116	Hose, N2 Supply, 100 ft (30.5 m)
024210	Hose, N2 Supply, 10 ft (3 m)		024482	Hose, N2 Supply, 110 ft (33.6 m)
024203	Hose, N2 Supply, 15 ft (4.6 m)		024451	Hose, N2 Supply, 115 ft (35.1 m)
024232	Hose, N2 Supply, 20 ft (6.1 m)		024517	Hose, N2 Supply, 120 ft (36.6 m)
024134	Hose, N2 Supply, 25 ft (7.6 m)		024491	Hose, N2 Supply, 125 ft (38.1 m)
024211	Hose, N2 Supply, 35 ft (10.7 m)		024120	Hose, N2 Supply, 150 ft (45.8 m)
024112	Hose, N2 Supply, 50 ft (15.3 m)		024185	Hose, N2 Supply, 180 ft (54.9 m)
024148	Hose, N2 Supply, 75 ft (22.9 m)		024124	Hose, N2 Supply, 200 ft (61 m)
024488	Hose, N2 Supply, 85 ft (25.9 m)			

Spare Parts Kit

028825	PAC620 Spare Parts Kit - w/o Slave, Standard
028826	PAC620 Spare Parts Kit - w/o Slave, Bevel
028827	PAC620 Spare Parts Kit - w/ Slave, Standard
028828	PAC620 Spare Parts Kit - w/ Slave, Bevel
128130	PAC620 CE Spare Parts Kit - w/o Slave, Standard
128131	PAC620 CE Spare Parts Kit - w/ Slave, Standard

Figure 1-13 Supply Gas Hose, Spare Parts Kit

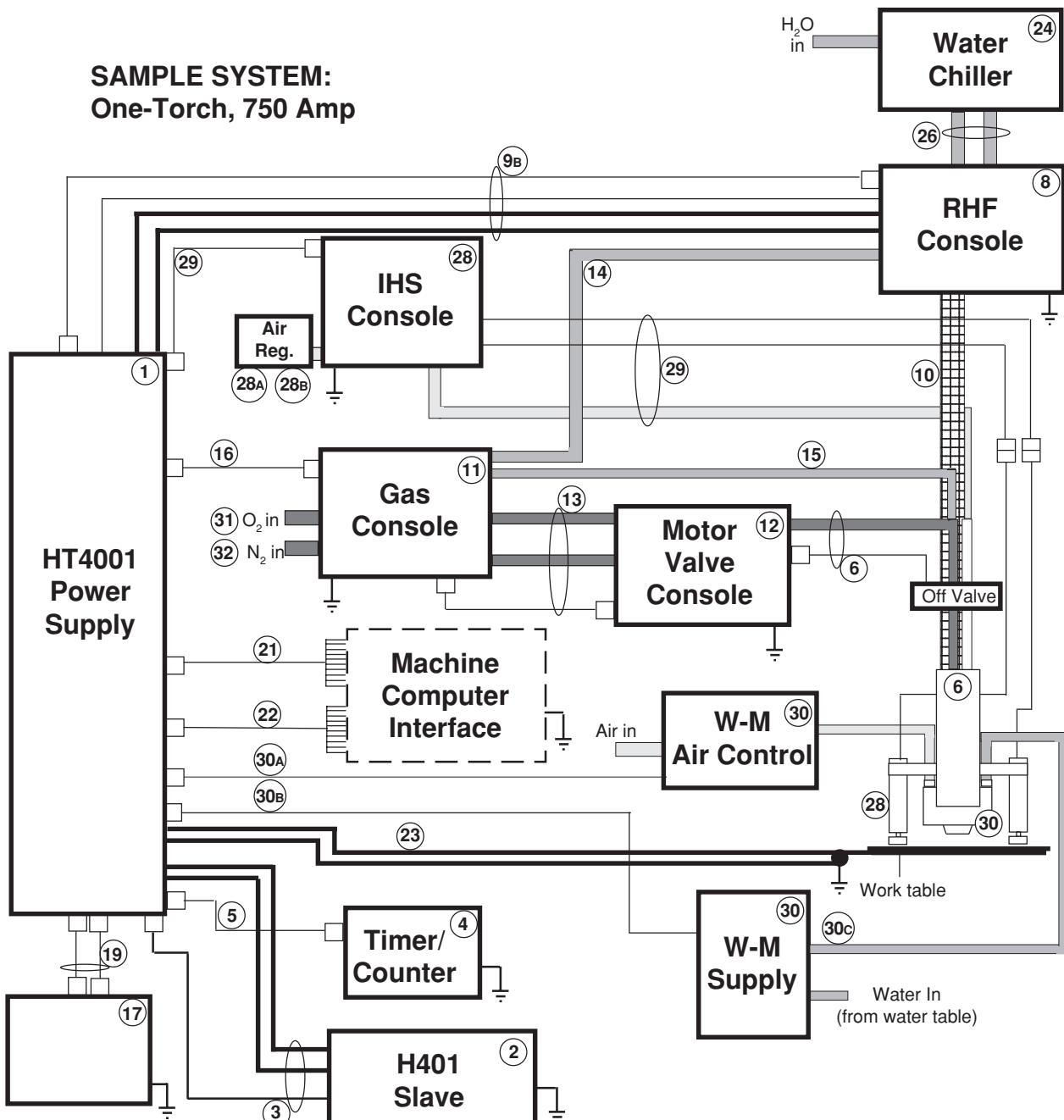
SAMPLE SYSTEM: One-Torch, 400 Amp



- | | | | | | |
|----|---|-----|---|-----|---------------------------------------|
| 1 | HT4001 Power Supply | 16 | Cable Between Gas Csl and HT4001 PS | 29 | Inductive IHS Lead Set |
| 4 | Timer/Counter | 17 | Programmable V/C Control | 30 | Water Muffler System |
| 5 | Timer/Counter Cable | 19 | Cables Between Programmable Remote and PS | 30A | Addtnl Lngth WM Cable-PS to Air Cntrl |
| 6 | Torch Assembly | 21 | I/O Cable Between PS and Mach. Comp. | 30B | Addtnl Lngth WM Cable-PS to Pump |
| 8 | RHF Console | 22 | V/C Cable Between PS and Mach. Comp. | 30C | Addtnl Lngth WM Hose |
| 9A | Leads Between PS and RHF Csl | 23 | Cable Between PS and Work Table | 31 | Hose Between O2 Supply and Gas Csl |
| 10 | Shielded Leads Between RHF Csl and Torch | 24 | Water Chiller, 1-Torch, 600A | 32 | Hose Between N2 Supply and Gas Csl |
| 11 | Gas Console | 26 | Cooling Hose Set-Water Chiller to RHF Console | | |
| 12 | Motor Valve Console | 28 | Ind. Initial Height Sensing System | | |
| 13 | Leads Between Gas Csl and Mtr Vlv Csl | 28A | Ind. IHS Regulator, Air | | |
| 14 | Water Inj. Hose Between Gas Csl and RHF Csl | 28B | Ind. IHS Regulator Mounting Bracket | | |
| 15 | Water Inj. Hose Between Gas Csl and Torch | | | | |

Figure 1-14 One -Torch 400 Amp HT4001 Interconnect System Diagram with IHS, Programmable Remote and Water Muffler

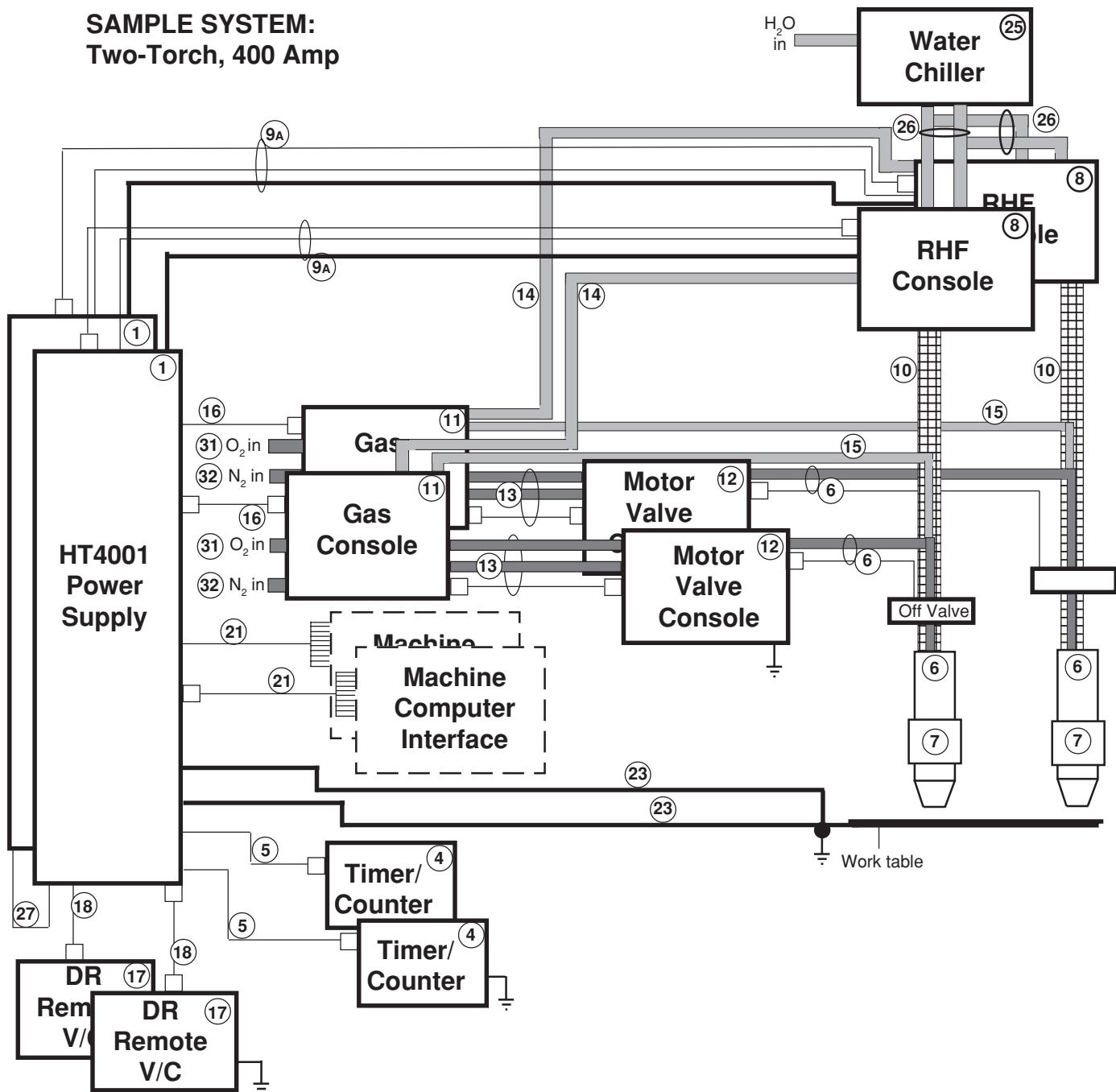
**SAMPLE SYSTEM:
One-Torch, 750 Amp**



- | | | |
|--|--|---|
| 1 HT4001 Power Supply | 16 Cable Between Gas Csl and HT4001 PS | 29 Inductive IHS Lead Set |
| 2 H401 Slave Power Supply | 17 Programmable V/C Control | 30 Water Muffler System |
| 3 Slave Interconnect Kit | 19 Cables Between Programmable Remote and PS | 30A Addtnl Lngth WM Cable-PS to Air Cntrl |
| 4 Timer/Counter | 21 I/O Cable Between PS and Mach. Comp. | 30B Addtnl Lngth WM Cable-PS to Pump |
| 5 Timer/Counter Cable | 22 V/C Cable Between PS and Mach. Comp. | 30c Addtnl Lngth WM Hose |
| 6 Torch Assembly | 23 Cable Between PS and Work Table (x2 w/Slave) | 31 Hose Between O ₂ Supply and Gas Csl |
| 8 RHF Console | 24 Water Chiller, 1-Torch, 1000A | 32 Hose Between N ₂ Supply and Gas Csl |
| 9B Leads Between PS (w/Slave) and RHF Csl | 26 Cooling Hose Set-Water Chiller to RHF Console | |
| 10 Shielded Leads Between RHF Csl and Torch | 28 Ind. Initial Height Sensing System | |
| 11 Gas Console | 28A Ind. IHS Regulator, Air | |
| 12 Motor Valve Console | 28B Ind. IHS Regulator Mounting Bracket | |
| 13 Leads Between Gas Csl and Mtr Vlv Csl | | |
| 14 Water Inj. Hose Between Gas Csl and RHF Csl | | |
| 15 Water Inj. Hose Between Gas Csl and Torch | | |

Figure 1-15 One - Torch 750 Amp HT4001 Interconnect System Diagram with IHS, Programmable Remote and Water Muffler

SAMPLE SYSTEM:
Two-Torch, 400 Amp



- | | |
|---|---|
| 1 HT4001 Power Supply | 14 Water Inj. Hose Between Gas Csl and RHF Csl |
| 4 Timer/Counter | 15 Water Inj. Hose Between Gas Csl and Torch |
| 5 Timer/Counter Cable | 16 Cable Between Gas Csl and HT4001 PS |
| 6 Torch Assembly | 17 Digital V/C Control |
| 7 Torch Mounting Bracket | 18 Cable Between Dig. Remote and PS |
| 8 RHF Console | 19 I/O Cable Between PS and Mach. Comp. |
| 9A Leads Between PS (w/o Slave) and RHF Csl | 20 Cable Between PS and Work Table |
| 10 Shielded Leads Between RHF Csl and Torch | 21 Water Chiller, 2 - Torch, 600A |
| 11 Gas Console | 22 Cooling Hose Set-Water Chiller to RHF Console |
| 12 Motor Valve Console | 23 Hold Cable |
| 13 Leads Between Gas Csl and Mtr Vlv Csl | 24 Hose Between O ₂ Supply and Gas Csl |
| | 25 Hose Between N ₂ Supply and Gas Csl |

Figure 1-16 Two-Torch 400 Amp HT4001 Interconnect System Diagram with Digital Remote (and without IHS and Water Muffler)

2 Specifications

In this section

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SYSTEM SPECIFICATIONS - Required Equipment

System Requirements

Power Requirements:

Refer to HT4001 power supply specifications below:

Gas Requirements:

Plasma Gas Types	Oxygen (O ₂), Nitrogen (N ₂)
Gas Quality	
Oxygen	99.5%
Nitrogen	99.995%
Oxygen Gas Inlet Pressure	120 psi (8.3 bar)
Nitrogen Gas Inlet Pressure	150 psi (10.3 bar)
Air Gas Inlet Pressure (for Water Muffler)	120 psi (8.3 bar)

Water Requirements:

Water Flow	0.5 gpm (1.9 l/m) to water chiller
	2.5 gpm (9.5 l/m) to RHF console
Water Inlet Pressure	35 psi (2.4 bar) to water chiller
	150psi (10.3 bar) to RHF console

1

HT4001 Power Supply

Maximum OCV (U ₀)	325 VDC
Maximum Output Current (I ₂)	400 A
Output Voltage (U ₂)	80-200 VDC
Duty Cycle Rating (X)	100% @ 40°C at 400 A and 200 V
Ambient Temperatures/Duty Cycle	Power supplies will operate between +14° and 104°F (-10° and +40°C). Power supplies operated in an ambient temperature above 86°F (30°C) may show some decrease in duty cycle.
Cooling	Forced Air (Class F)

Dimensions and Weight

Width	34" (863 mm)
Maximum Height	51" (1295 mm); 63" (1600 mm) on CE and 200/220V units
Maximum Depth	48-11/16" (1236 mm)
Weight	1800 lbs (817 kg); 1850 lbs (840 kg) on CE units

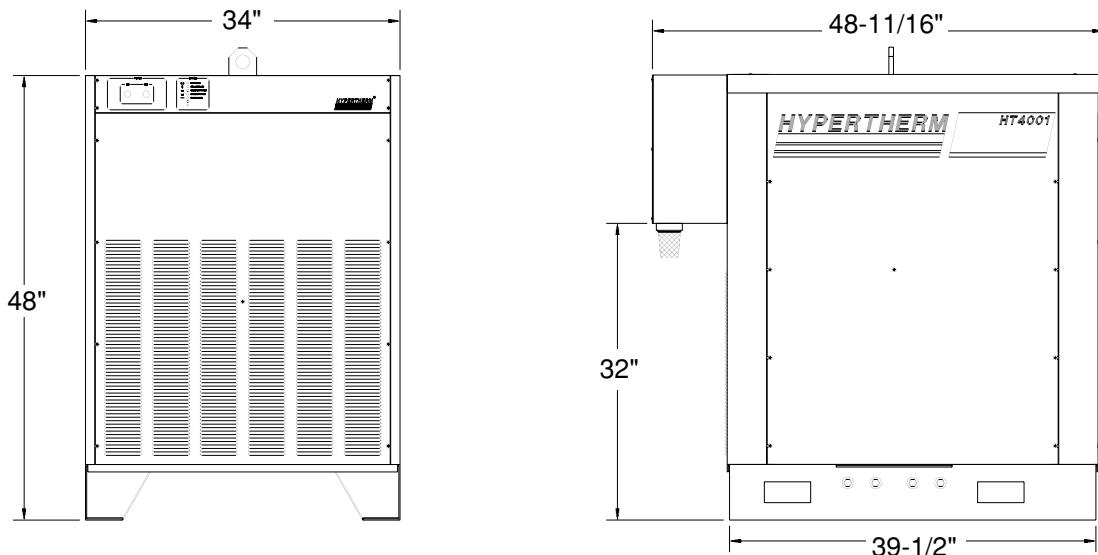


Figure 2-1 HT4001 Power Supply Dimensions

1

HT4001 Power Supply with H401 Slave

Maximum OCV (U_0)	400 VDC
Maximum Output Current (I_2)	760 A
Output Voltage (U_2)	80-200 VDC
Duty Cycle Rating (X)	100% @ 40°C at 760 A and 200 V
Ambient Temperatures/Duty Cycle	Power supplies will operate between +14° and 104°F (-10° and +40°C). Power supplies operated in an ambient temperature above 86°F (30°C) may show some decrease in duty cycle.
Cooling	Forced Air (Class F)

2

H401 Slave Power Supply (used when cutting with over 400 amps)

Dimensions and Weight:

Width	40" (1025 mm)
Height	53" (1345 mm)
Depth	50" (1270 mm)
Weight	2250 pounds (1022 kg)

4

Timer/Counter

Dimensions and Weight:

Width	6-1/2" (165 mm)
Height	2-1/2" (64 mm)
Depth	8-5/8" (22 cm)
Weight	3 pounds (1 kg)

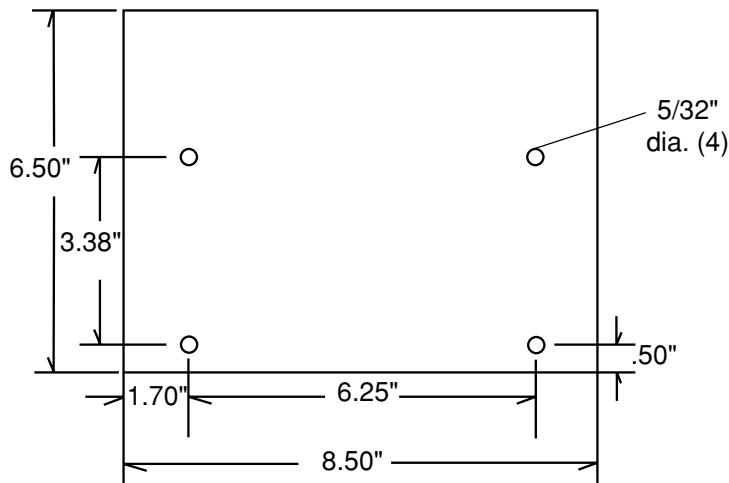


Figure 2-2 Timer/Counter Dimensions

6

PAC620 Machine Torch

Dimensions and Weight:

Length with sleeve: 17-1/2" (444 mm)
Sleeve Diameter 2" (50 mm)
Weight 3-1/2 pounds (1.59 kg)

Lead

Plasma Gas Hosing
Plasma-Off Cable

Lead Diameter (O.D.)

3/8" (9.5 mm)
1/4" (6 mm)

Connector/Lug Diameter

3/8" (9.5 mm)
3/4" (19 mm)

8

Remote High Frequency Console

Dimensions and Weight:

Width (Max.) 14.63" (372 mm)
Height 16.75" (425 mm)
Depth 16.00" (406 mm)
Weight 75 pounds (34 kg)

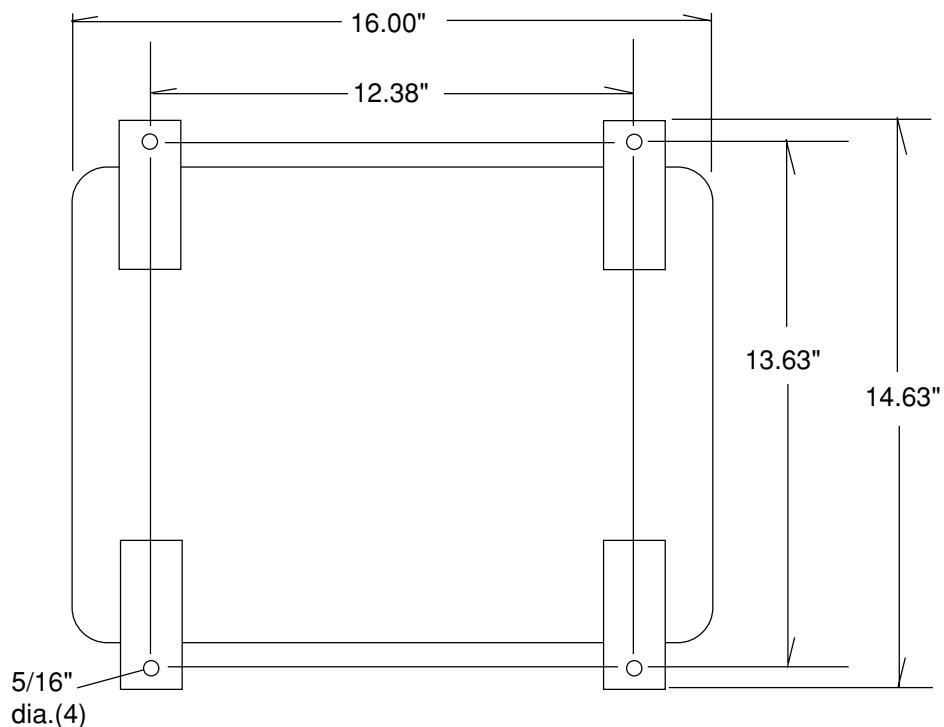


Figure 2-3 RHF Console Mounting Dimensions

9A

Leads Between Power Supply and RHF Console (w/o Slave)

Lead	Lead Diameter (O.D.)	Connector/Lug Diameter
RHF Cons Control Cable	3/8" (9.5 mm)	1-3/8" (35 mm)
Negative Cable	7/8" (22 mm)	1-1/4" (32 mm)
Pilot Arc (PA) Cable	1/4" (6.5 mm)	1/2" (13 mm)

9B

Leads Between Power Supply and RHF Console (w/ Slave)

Lead	Lead Diameter (O.D.)	Connector/Lug Diameter
RHF Cons Control Cable	3/8" (9.5 mm)	1-3/8" (35 mm)
Negative Cable	7/8" (22 mm)	1-1/4" (32 mm)
Negative Cable	7/8" (22 mm)	1-1/4" (32 mm)
Pilot Arc (PA) Cable	1/4" (6.5 mm)	1/2" (13 mm)

10

Shielded Leads Between Torch and RHF Console

Lead	Lead Package Diameter (O.D.)
Shld Trch Leads	1-1/2" (38 mm)

11

Gas Console

Dimensions and Weight:

Width	11.50" (290 mm)
Height	14.60" (370 mm)
Depth	4 " (100 mm)
Weight	16 pounds (7.3 kg)

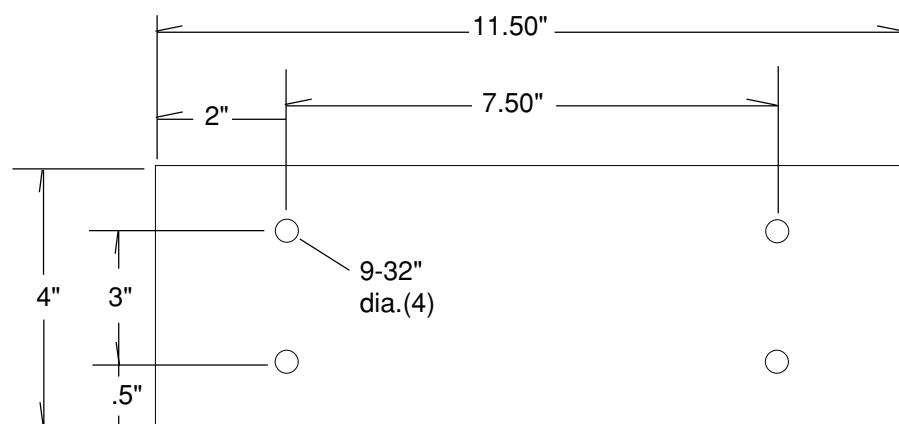


Figure 2-4 Gas Console Mounting Dimensions:

12

Motor Valve Console

Dimensions and Weight:

Width	11.50" (290 mm)
Height	4.25" (110 mm)
Depth	8" (200 mm)
Weight	14 pounds (6.3 kg)

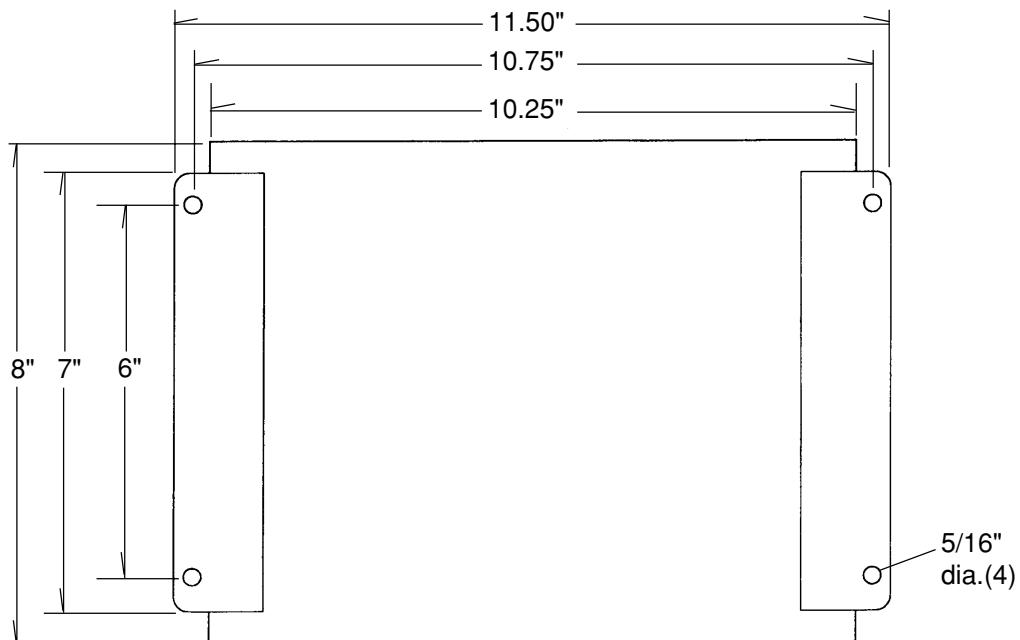


Figure 2-5 Motor Valve Console Mounting Dimensions

(13)

Leads Between Gas Console and Motor Valve Console

Lead	Lead Diameter (O.D.)	Connector/Lug Diameter
Preflow Gas Hose	1/2" (13 mm)	1/2" (13 mm)
Cut Flow Gas Hose	1/2" (13 mm)	1/2" (13 mm)
Gas Cons/Vlv Cons Cable	1/2" (13 mm)	1-3/4" (44 mm)

(14)

Water Injection Hose Between Gas Console and RHF Console

Hose	Hose Diameter (O.D.)	Connector/Lug Diameter
Injection Water Hose	5/8" (16 mm)	5/8" (16 mm)

(15)

Water Injection Hose Between Gas Console and Torch

Hose	Hose Diameter (O.D.)	Connector/Lug Diameter
Injection Water Hose	5/8" (16 mm)	5/8" (16 mm)

(16)

Cable Between Gas Console and HT4001 Power Supply

Cable	Cable Diameter (O.D.)	Connector/Lug Diameter
PS/Gas Cons Cable	1/2" (13 mm)	1-3/4" (44 mm)

17

Digital Remote (DR) V/C Control

Dimensions and Weight:

Width	11.40" (290 mm)
Height	3" (76 mm)
Depth (Max.).....	13.38" (340 mm)
Weight	5 pounds-5 oz. (2.4 kg)

17

Programmable Remote (PR) V/C Control

Dimensions and Weight:

Width	11.40" (290 mm)
Height	3" (76 mm)
Depth (Max.).....	12.50" (318 mm)
Weight	5 pounds-5 oz. (2.4 kg)

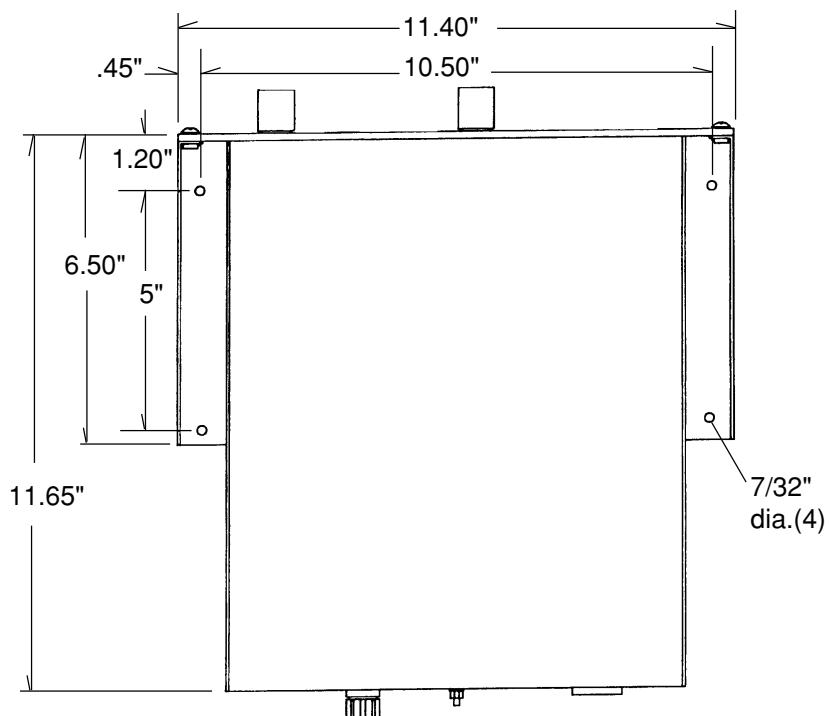


Figure 2-6 Remote V/C Module Mounting Dimensions (Digital Remote Shown)

(18)

Serial Cable Between Dig./Program. Remote and Power Supply

Cable	Cable Diameter (O.D.)	Connector/Lug Diameter
DR/PR/PS Cable	1/2" (13 mm)	1-1/4" (32 mm)

(19)

V/C Cable Between Program. Remote and Power Supply

Cable	Cable Diameter (O.D.)	Connector/Lug Diameter
PR/PS Cable	1/2" (13 mm)	1" (24 mm)

(21)

I/O Cable Between Power Supply and Machine Computer Interface

Cable	Cable Diameter (O.D.)	Connector/Lug Diameter
I/O Mach. Interface Cable	1/2" (13 mm)	No connector on Interface end

(22)

V/C Cable Between Power Supply and Machine Computer Interface

Cable	Cable Diameter (O.D.)	Connector/Lug Diameter
V/C Mach. Interface Cable	3/8" (9.5 mm)	No connector on Interface end

(23)

Cable Between Power Supply and Work Table

Cable	Cable Diameter (O.D.)	Connector/Lug Diameter
Positive (work) Cable	7/8" (22 mm)	1-1/4" (32 mm)

(24)**(25)**

Water Chiller

Dimensions and Weight:

Width	30.25" (770 mm)
Height	42.25" (1075 mm)
Depth	46" (1170 mm)
Weight	700 pounds (320 kg), 600A - 1-Torch 745 pounds (340 kg), 600A - 2-Torch 745 pounds (340 kg), 1000A - 1-Torch

(26)

Cooling Hose Set Between Water Chiller and RHF Console

Hose	Hose Diameter (O.D.)	Connector/Lug Diameter
Cooling Hose 1	5/8" (16 mm)	5/8" (16 mm)
Cooling Hose 2	5/8" (16 mm)	5/8" (16 mm)

SYSTEM SPECIFICATIONS - Optional and Additional Equipment

27

Hold Cable

Cable
Hold Cable, PS1/PS2

Cable Diameter (O.D.)
20 AWG-1/8" (3 mm)

Connector/Lug Diameter
No connectors

28

Inductive Initial Height Sensing (IHS) System

IHS Console

Dimensions and Weight:

Width (Max.)	9" (230 mm)
Height	4.50" (110 mm)
Depth	11.5" (290 mm)
Weight	13 pounds (6 kg)

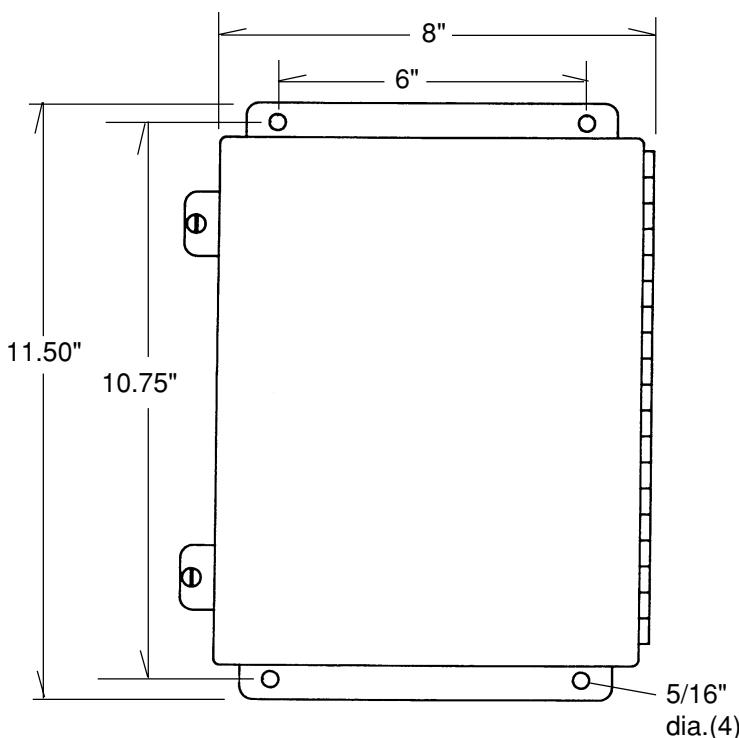


Figure 2-7 IHS Console Mounting Dimensions

28B

Inductive IHS Air Regulator Mounting Bracket

Dimensions:

Width 3-3/8" (8.6 cm)
Height 2-1/8" (5.4 cm)
Depth 1" (2.5 cm)

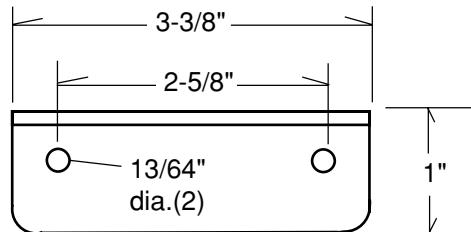


Figure 2-8 IHS Air Regulator Bracket Mounting Dimensions

29

Inductive IHS Lead Set

Lead	Lead Diameter (O.D.)	Connector/Lug Diameter
IHS Sensor Probe Cable	1/4" (6 mm)	7/8" (22 mm)
IHS Sensor Probe Cable	1/4" (6 mm)	7/8" (22 mm)
Air Cylinder Hose	1/2" (13 mm)	1/2" (13 mm)
IHS Cntrl Cable	3/8" (9.5 mm)	1" (25 mm)

30

Water Muffler - Air Control

Dimensions and Weight:

Width	6.25" (160 mm)
Height	6.25" (160 mm)
Depth	4.25" (110 mm)
Weight	6 pounds (2.7 kg)

Hose/Cable

Air Hosing
Air Controller Cable

Hose/Cable Diameter (O.D.)

3/4" (19 mm)
3/8" (9.5 mm)

Connector/Lug Diameter

3/4" (19 mm)
1" (24 cm)

30

Water Muffler - Pump

Dimensions and Weight:

Width	11" (280 mm)
Height	19" (480 mm)
Depth	17" (430 mm)
Weight	85 pounds (38.6 kg)

Hose

WM Pump/WM

Hose Diameter (O.D.)

1" (24 mm)

Connector/Lug Diameter

1" (24 mm)

31

Hose Between O₂ Supply and Gas Console

Hose

Oxygen Hose

Hose Diameter (O.D.)

3/4" (19 mm)

Connector/Lug Diameter

3/4" (19 mm)

32

Hose Between N₂ Supply and Gas Console

Hose

Nitrogen Hose

Hose Diameter (O.D.)

5/8" (16 mm)

Connector/Lug Diameter

5/8" (16 mm)

QUICK REFERENCE TO CABLE / HOSE DIMENSIONS

The following figures are a one-to-one representation of the HT4001 system interconnecting cables and hoses. Figure 2-9 shows cables and hoses that would lay in the rail at the site. Figure 2-10 shows cables and hoses that would lay in the cutting machine's cable/hose carrier. The rulers have been added to use as a guide. Arrangement of cables and hoses laying in rails or carriers are roughly suggested here.

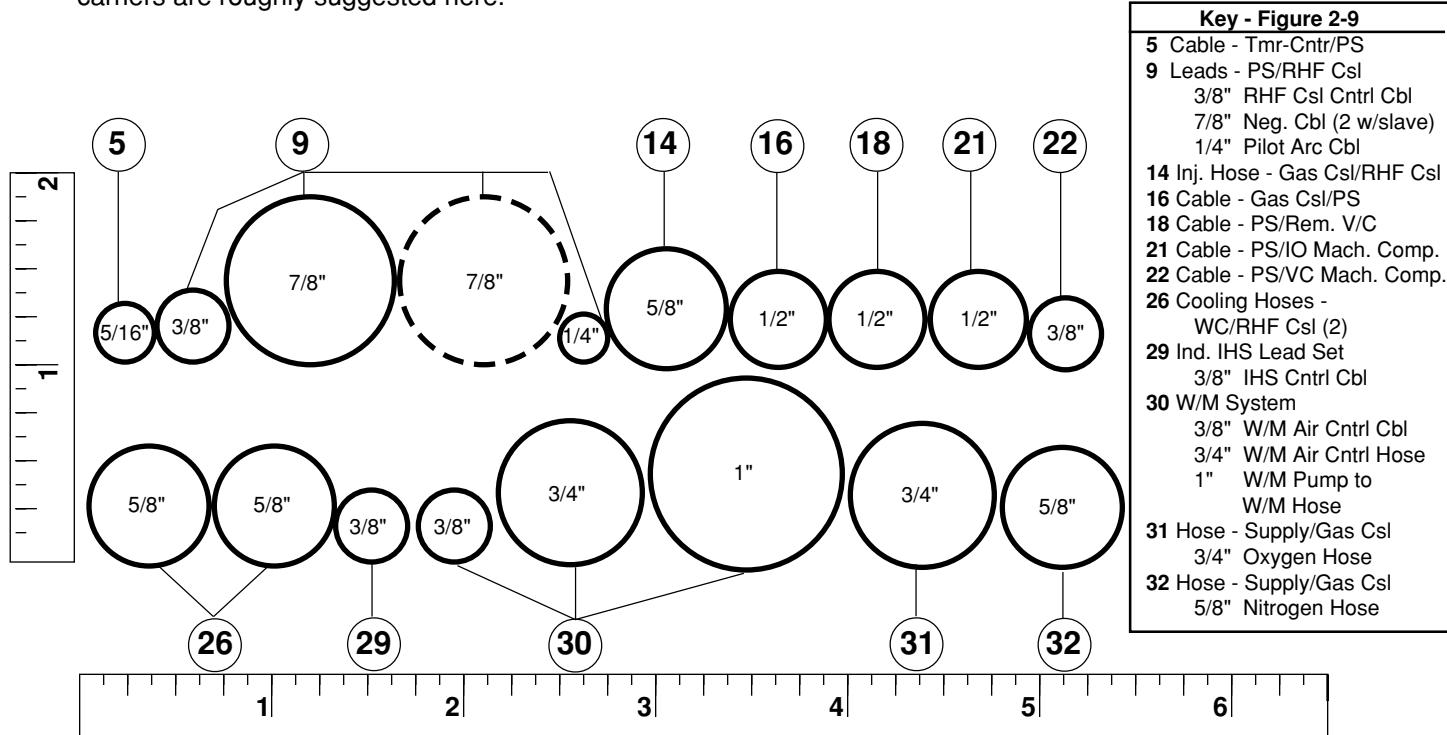


Figure 2-9 Cables / Hoses in Rail

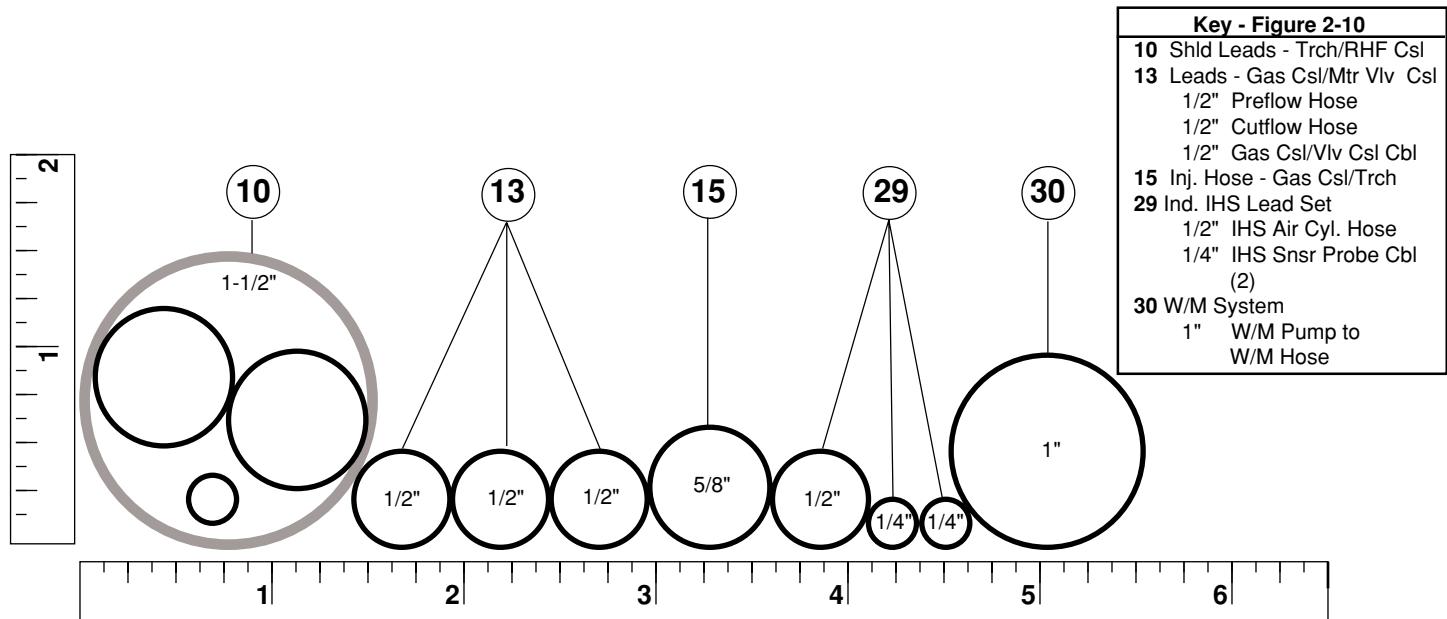


Figure 2-10 Cables / Hoses in Machine Cable/Hose Carrier

Distributor Information:**HYPERTHERM
HT4001 Order Form****Customer Information:****1 HT4001 Power Supply**

No. for Optional Voltage
(see pg. 1-6 of Product Manual)

- 077002 PS, 200/220V, 50-60 Hz, w/THC
- 077003 PS, 380/400/415V, 50-60 Hz, w/THC
- 077022 PS, 400V, CE, 50-60 Hz, w/THC
- 077004 PS, 240/480V, 60 Hz, w/THC
- 077005 PS, 575/600V, 60 Hz, w/THC
- 077031 PS, 440/480V, 50 Hz, w/THC
- 077016 PS, 200/220V, 50-60 Hz, w/o THC
- 077017 PS, 380/400/415V, 50-60 Hz, w/o THC
- 077023 PS, 400V, CE, 50-60 Hz, w/o THC
- 077018 PS, 240/480V, 60 Hz, w/o THC
- 077019 PS, 575/600V, 60 Hz, w/o THC
- 077030 PS, 440/480V, 50 Hz, w/o THC

2 H401 Slave Power Supply

- 036038 H401 SPS, 200V, 50 Hz, 3Ø
- 036036 H401 SPS, 400V, 50 Hz, 3Ø
- 036035 H401 SPS, 480V, 60 Hz, 3Ø
- 036037 H401 SPS, 600V, 60 Hz, 3Ø

3 Slave Interconnect Kit

- 077011 Kit: H-401/601 Slave

4 Timer/Counter

- 073057 HT4X00 Cntr-Tmr

5 Timer/Counter Cable

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023789 | 10 Ft | <input type="checkbox"/> 123063 | 110 Ft |
| <input type="checkbox"/> 023790 | 25 Ft | <input type="checkbox"/> 123083 | 125 Ft |
| <input type="checkbox"/> 023791 | 50 Ft | <input type="checkbox"/> 023794 | 150 Ft |
| <input type="checkbox"/> 023792 | 75 Ft | <input type="checkbox"/> 123027 | 170 Ft |
| <input type="checkbox"/> 023793 | 100 Ft | | |

6 Torch Assembly / 14 ft Leads Package

- 028838 PAC620 Standard Torch Assy
- 028836 PAC620 Beveling Torch Assy

7 Torch Mounting Bracket

- 020046 Torch Mounting Bracket

8 Remote High Frequency Csl

- 077010 Rem. High Frequency Csl, HT4001

9A Leads Between PS (w/o Slave) and RHF Csl

- 028794 50 Ft
- 028795 75 Ft
- 028796 100 Ft
- 128065 110 Ft
- 028797 150 Ft
- 028798 200 Ft

9B Leads Between PS (w/ Slave) and RHF Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028799 | 50 Ft | <input type="checkbox"/> 028802 | 150 Ft |
| <input type="checkbox"/> 028800 | 75 Ft | <input type="checkbox"/> 128044 | 170 Ft |
| <input type="checkbox"/> 028801 | 100 Ft | <input type="checkbox"/> 028803 | 200 Ft |
| | 125 Ft | | |

10 Shielded Leads Between Torch and RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028508 | 10 Ft | <input type="checkbox"/> 028514 | 40 Ft |
| <input type="checkbox"/> 028509 | 15 Ft | <input type="checkbox"/> 028515 | 45 Ft |
| <input type="checkbox"/> 028510 | 20 Ft | <input type="checkbox"/> 028516 | 50 Ft |
| <input type="checkbox"/> 028511 | 25 Ft | <input type="checkbox"/> 028770 | 55 Ft |
| <input type="checkbox"/> 028512 | 30 Ft | <input type="checkbox"/> 028771 | 60 Ft |
| <input type="checkbox"/> 028513 | 35 Ft | | |

11 Gas Csl, HT4001

- 073216 Gas Csl, HT4001

12 Motor Valve Csl, HT4001

- 073214 Motor Valve Csl, HT4001

13 Leads Between Gas Csl and Motor Valve Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028667 | 15 Ft | <input type="checkbox"/> 028671 | 40 F |
| <input type="checkbox"/> 028668 | 20 Ft | <input type="checkbox"/> 028672 | 45 Ft |
| <input type="checkbox"/> 028646 | 25 Ft | <input type="checkbox"/> 028647 | 50 Ft |
| <input type="checkbox"/> 028669 | 30 Ft | <input type="checkbox"/> 028788 | 56 Ft |
| <input type="checkbox"/> 028670 | 35 Ft | <input type="checkbox"/> 028791 | 75 Ft |

14 Water Inj. Hose Between Gas Csl and RHF Csl

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

15 Water Inj. Hose Between Gas Csl and Torch

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

16 Cable Between Gas Csl and HT4001 PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023496 | 50 Ft | <input type="checkbox"/> 123031 | 170 Ft |
| <input type="checkbox"/> 023497 | 75 Ft | <input type="checkbox"/> 023500 | 200 Ft |
| <input type="checkbox"/> 023498 | 100 Ft | <input type="checkbox"/> 023812 | 250 Ft |
| <input type="checkbox"/> 123067 | 110 Ft | <input type="checkbox"/> 023819 | 300 Ft |
| <input type="checkbox"/> 123087 | 125 Ft | <input type="checkbox"/> 023576 | 350 Ft |
| <input type="checkbox"/> 023499 | 150 Ft | | |

17 V/C Control

- 077012 Control, Digital V/C (DR)
- 077013 Control, Programmable V/C (PR)
- 077020 Control, Remote Current (RCC)

18 Cable Between Dig. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023990 | 7 Ft | <input type="checkbox"/> 123188 | 120 Ft |
| <input type="checkbox"/> 023911 | 15 Ft | <input type="checkbox"/> 023882 | 125 Ft |
| <input type="checkbox"/> 023878 | 25 Ft | <input type="checkbox"/> 023883 | 150 Ft |
| <input type="checkbox"/> 023879 | 50 Ft | <input type="checkbox"/> 023884 | 200 Ft |
| <input type="checkbox"/> 123040 | 60 Ft | <input type="checkbox"/> 023885 | 250 Ft |
| <input type="checkbox"/> 023880 | 75 Ft | <input type="checkbox"/> 023886 | 275 Ft |
| <input type="checkbox"/> 123073 | 85 Ft | <input type="checkbox"/> 023887 | 300 Ft |
| <input type="checkbox"/> 023881 | 100 Ft | | |

19 Cables Between Program. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028831 | 15 Ft | <input type="checkbox"/> 028613 | 150 Ft |
| <input type="checkbox"/> 028609 | 25 Ft | <input type="checkbox"/> 028614 | 200 Ft |
| <input type="checkbox"/> 028610 | 50 Ft | <input type="checkbox"/> 028833 | 250 Ft |
| <input type="checkbox"/> 028611 | 75 Ft | <input type="checkbox"/> 028834 | 275 Ft |
| <input type="checkbox"/> 028612 | 100 Ft | <input type="checkbox"/> 028835 | 300 Ft |
| <input type="checkbox"/> 028832 | 125 Ft | | |

(20) Cable Between Current Remote (RCC) and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023150 | 10 Ft | <input type="checkbox"/> 123068 | 110 Ft |
| <input type="checkbox"/> 023871 | 25 Ft | <input type="checkbox"/> 123088 | 125 Ft |
| <input type="checkbox"/> 023872 | 38 Ft | <input type="checkbox"/> 023876 | 150 Ft |
| <input type="checkbox"/> 023873 | 50 Ft | <input type="checkbox"/> 123032 | 170 Ft |
| <input type="checkbox"/> 023874 | 75 Ft | <input type="checkbox"/> 023877 | 200 Ft |
| <input type="checkbox"/> 023875 | 100 Ft | | |

(21) I/O Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023892 | 25 Ft | <input type="checkbox"/> 123089 | 125 Ft |
| <input type="checkbox"/> 023893 | 50 Ft | <input type="checkbox"/> 023896 | 150 Ft |
| <input type="checkbox"/> 023894 | 75 Ft | <input type="checkbox"/> 123033 | 170 Ft |
| <input type="checkbox"/> 023895 | 100 Ft | <input type="checkbox"/> 023897 | 200 Ft |
| <input type="checkbox"/> 123069 | 110 Ft | | |

(22) V/C Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 023902 | 6 Ft | <input type="checkbox"/> 023855 | 75 Ft |
| <input type="checkbox"/> 023851 | 15 Ft | <input type="checkbox"/> 023856 | 100 Ft |
| <input type="checkbox"/> 023852 | 25 Ft | <input type="checkbox"/> 023903 | 125 Ft |
| <input type="checkbox"/> 023853 | 35 Ft | <input type="checkbox"/> 023857 | 150 Ft |
| <input type="checkbox"/> 023854 | 50 Ft | <input type="checkbox"/> 023858 | 200 Ft |

(23) Cable Between PS and Work Table (x2 w/Slave)

- | | |
|---------------------------------|-------|
| <input type="checkbox"/> 023382 | 15 Ft |
| <input type="checkbox"/> 023136 | 20 Ft |
| <input type="checkbox"/> 023078 | 25 Ft |
| <input type="checkbox"/> 023101 | 30 Ft |
| <input type="checkbox"/> 023135 | 40 Ft |
| <input type="checkbox"/> 023079 | 50 Ft |

(24) Water Chiller, 1-Torch

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> 039099 | Water Chiller, 200V, 600A, 1T |
| <input type="checkbox"/> 039116 | Water Chiller, 240V, 600A, 1T |
| <input type="checkbox"/> 039102 | Water Chiller, 380V, 600A, 1T |
| <input type="checkbox"/> 039101 | Water Chiller, 415V, 600A, 1T |
| <input type="checkbox"/> 039103 | Water Chiller, 440V, 600A, 1T |
| <input type="checkbox"/> 039098 | Water Chiller, 480V, 600A, 1T |
| <input type="checkbox"/> 039100 | Water Chiller, 575V, 600A, 1T |
| <input type="checkbox"/> 039111 | Water Chiller, 200V. 1000A, 1T |
| <input type="checkbox"/> 039118 | Water Chiller, 240V, 1000A, 1T |
| <input type="checkbox"/> 039114 | Water Chiller, 380V, 1000A, 1T |
| <input type="checkbox"/> 039113 | Water Chiller, 415V, 1000A, 1T |
| <input type="checkbox"/> 039115 | Water Chiller, 440V, 1000A, 1T |
| <input type="checkbox"/> 039110 | Water Chiller, 480V, 1000A, 1T |
| <input type="checkbox"/> 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|---------------------------------|-------------------------------|
| <input type="checkbox"/> 039105 | Water Chiller, 200V, 600A, 2T |
| <input type="checkbox"/> 039117 | Water Chiller, 240V, 600A, 2T |
| <input type="checkbox"/> 039108 | Water Chiller, 380V, 600A, 2T |
| <input type="checkbox"/> 039107 | Water Chiller, 415V, 600A, 2T |
| <input type="checkbox"/> 039109 | Water Chiller, 440V, 600A, 2T |
| <input type="checkbox"/> 039104 | Water Chiller, 480V, 600A, 2T |
| <input type="checkbox"/> 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 028760 | 3 Ft | <input type="checkbox"/> 128078 | 85 Ft |
| <input type="checkbox"/> 028860 | 7 Ft | <input type="checkbox"/> 028444 | 100 Ft |
| <input type="checkbox"/> 028652 | 10 Ft | <input type="checkbox"/> 028902 | 110 Ft |
| <input type="checkbox"/> 028440 | 15 Ft | <input type="checkbox"/> 028896 | 115 Ft |
| <input type="checkbox"/> 028653 | 20 Ft | <input type="checkbox"/> 128129 | 120 Ft |
| <input type="checkbox"/> 028441 | 25 Ft | <input type="checkbox"/> 028747 | 125 Ft |
| <input type="checkbox"/> 028442 | 50 Ft | <input type="checkbox"/> 028445 | 150 Ft |
| <input type="checkbox"/> 128052 | 60 Ft | <input type="checkbox"/> 128064 | 170 Ft |
| <input type="checkbox"/> 028443 | 75 Ft | <input type="checkbox"/> 028637 | 200 Ft |

(27) Hold Cable (2-Torch Systems)

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023340 | 15 Ft |
| <input type="checkbox"/> 023341 | 25 Ft |
| <input type="checkbox"/> 023342 | 50 Ft |
| <input type="checkbox"/> 023343 | 100 Ft |
| <input type="checkbox"/> 023344 | 150 Ft |

(28) Ind. Initial Height Sensing (IHS) System

- 028720 Inductive IHS

(28A) Inductive IHS Regulator, Air

- 011023 Regulator, Air

(28B) Ind. IHS Regulator Mounting Bracket

- 001160 Mounting Bracket, Air Regulator

(29) Inductive IHS Lead Set

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 028811 | 25 Ft |
| <input type="checkbox"/> 028812 | 50 Ft |
| <input type="checkbox"/> 028813 | 75 Ft |
| <input type="checkbox"/> 028814 | 100 Ft |
| <input type="checkbox"/> 028815 | 150 Ft |
| <input type="checkbox"/> 028816 | 200 Ft |

(30) Water Muffler Systems - with Hoses

- | | |
|---------------------------------|-----------------------------------|
| <input type="checkbox"/> 034126 | Water Muffler, w/ Hoses, 230/460V |
| <input type="checkbox"/> 034128 | Water Muffler, w/ Hoses, 380/415V |
| <input type="checkbox"/> 034130 | Water Muffler, w/ Hoses, 575V |

(30) Water Muffler Systems - without Hoses

- | | |
|---------------------------------|------------------------------------|
| <input type="checkbox"/> 034127 | Water Muffler, w/o Hoses, 230/460V |
| <input type="checkbox"/> 034129 | Water Muffler, w/o Hoses, 380-415V |
| <input type="checkbox"/> 034131 | Water Muffler, w/o Hoses, 575V |

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023905 | 25 Ft |
| <input type="checkbox"/> 023906 | 50 Ft |
| <input type="checkbox"/> 023907 | 75 Ft |
| <input type="checkbox"/> 023908 | 100 Ft |
| <input type="checkbox"/> 023909 | 150 Ft |
| <input type="checkbox"/> 023910 | 200 Ft |

(30B) Additional Length WM Cables - PS to WM Pump

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023866 | 50 Ft |
| <input type="checkbox"/> 023867 | 75 Ft |
| <input type="checkbox"/> 023868 | 100 Ft |

(30c) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in Ft.)

(31) Hose Between O2 Supply and Gas Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 024204 | 15 Ft | <input type="checkbox"/> 024450 | 115 Ft |
| <input type="checkbox"/> 024205 | 25 Ft | <input type="checkbox"/> 024516 | 120 Ft |
| <input type="checkbox"/> 024155 | 50 Ft | <input type="checkbox"/> 024490 | 125 Ft |
| <input type="checkbox"/> 024398 | 75 Ft | <input type="checkbox"/> 024159 | 150 Ft |
| <input type="checkbox"/> 024487 | 85 Ft | <input type="checkbox"/> 024470 | 180 Ft |
| <input type="checkbox"/> 024206 | 100 Ft | <input type="checkbox"/> 024333 | 200 Ft |
| <input type="checkbox"/> 024481 | 110 Ft | | |

(32) Hose Between N2 Supply and Gas Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 024505 | 6 Ft | <input type="checkbox"/> 024116 | 100 Ft |
| <input type="checkbox"/> 024210 | 10 Ft | <input type="checkbox"/> 024482 | 110 Ft |
| <input type="checkbox"/> 024203 | 15 Ft | <input type="checkbox"/> 024451 | 115 Ft |
| <input type="checkbox"/> 024232 | 20 Ft | <input type="checkbox"/> 024517 | 120 Ft |
| <input type="checkbox"/> 024134 | 25 Ft | <input type="checkbox"/> 024491 | 125 Ft |
| <input type="checkbox"/> 024211 | 35 Ft | <input type="checkbox"/> 024120 | 150 Ft |
| <input type="checkbox"/> 024112 | 50 Ft | <input type="checkbox"/> 024185 | 180 Ft |
| <input type="checkbox"/> 024148 | 75 Ft | <input type="checkbox"/> 024124 | 200 Ft |
| <input type="checkbox"/> 024488 | 85 Ft | | |

Spare Parts Kits

- | | |
|---------------------------------|---|
| <input type="checkbox"/> 028825 | PAC620 Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 028826 | PAC620 Spare Parts Kit - w/o Slave, Bevel |
| <input type="checkbox"/> 028827 | PAC620 Spare Parts Kit - w/ Slave, Standard |
| <input type="checkbox"/> 028828 | PAC620 Spare Parts Kit - w/ Slave, Bevel |
| <input type="checkbox"/> 128130 | PAC620 CE Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 128131 | PAC620 CE Spare Parts Kit - w/ Slave, Standard |

Distributor Information:**HYPERTHERM**
HT4001 Order Form**Customer Information:****1 HT4001 Power Supply**

No. for Optional Voltage
(see pg. 1-6 of Product Manual)

- 077002 PS, 200/220V, 50-60 Hz, w/THC
- 077003 PS, 380/400/415V, 50-60 Hz, w/THC
- 077022 PS, 400V, CE, 50-60 Hz, w/THC
- 077004 PS, 240/480V, 60 Hz, w/THC
- 077005 PS, 575/600V, 60 Hz, w/THC
- 077031 PS, 440/480V, 50 Hz, w/THC
- 077016 PS, 200/220V, 50-60 Hz, w/o THC
- 077017 PS, 380/400/415V, 50-60 Hz, w/o THC
- 077023 PS, 400V, CE, 50-60 Hz, w/o THC
- 077018 PS, 240/480V, 60 Hz, w/o THC
- 077019 PS, 575/600V, 60 Hz, w/o THC
- 077030 PS, 440/480V, 50 Hz, w/o THC

2 H401 Slave Power Supply

- 036038 H401 SPS, 200V, 50 Hz, 3Ø
- 036036 H401 SPS, 400V, 50 Hz, 3Ø
- 036035 H401 SPS, 480V, 60 Hz, 3Ø
- 036037 H401 SPS, 600V, 60 Hz, 3Ø

3 Slave Interconnect Kit

- 077011 Kit: H-401/601 Slave

4 Timer/Counter

- 073057 HT4X00 Cntr-Tmr

5 Timer/Counter Cable

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023789 | 10 Ft | <input type="checkbox"/> 123063 | 110 Ft |
| <input type="checkbox"/> 023790 | 25 Ft | <input type="checkbox"/> 123083 | 125 Ft |
| <input type="checkbox"/> 023791 | 50 Ft | <input type="checkbox"/> 023794 | 150 Ft |
| <input type="checkbox"/> 023792 | 75 Ft | <input type="checkbox"/> 123027 | 170 Ft |
| <input type="checkbox"/> 023793 | 100 Ft | | |

6 Torch Assembly / 14 ft Leads Package

- 028838 PAC620 Standard Torch Assy
- 028836 PAC620 Beveling Torch Assy

7 Torch Mounting Bracket

- 020046 Torch Mounting Bracket

8 Remote High Frequency Csl

- 077010 Rem. High Frequency Csl, HT4001

9A Leads Between PS (w/o Slave) and RHF Csl

- 028794 50 Ft
- 028795 75 Ft
- 028796 100 Ft
- 128065 110 Ft
- 028797 150 Ft
- 028798 200 Ft

9B Leads Between PS (w/ Slave) and RHF Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028799 | 50 Ft | <input type="checkbox"/> 028802 | 150 Ft |
| <input type="checkbox"/> 028800 | 75 Ft | <input type="checkbox"/> 128044 | 170 Ft |
| <input type="checkbox"/> 028801 | 100 Ft | <input type="checkbox"/> 028803 | 200 Ft |
| | 125 Ft | | |

10 Shielded Leads Between Torch and RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028508 | 10 Ft | <input type="checkbox"/> 028514 | 40 Ft |
| <input type="checkbox"/> 028509 | 15 Ft | <input type="checkbox"/> 028515 | 45 Ft |
| <input type="checkbox"/> 028510 | 20 Ft | <input type="checkbox"/> 028516 | 50 Ft |
| <input type="checkbox"/> 028511 | 25 Ft | <input type="checkbox"/> 028770 | 55 Ft |
| <input type="checkbox"/> 028512 | 30 Ft | <input type="checkbox"/> 028771 | 60 Ft |
| <input type="checkbox"/> 028513 | 35 Ft | | |

11 Gas Csl, HT4001

- 073216 Gas Csl, HT4001

12 Motor Valve Csl, HT4001

- 073214 Motor Valve Csl, HT4001

13 Leads Between Gas Csl and Motor Valve Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028667 | 15 Ft | <input type="checkbox"/> 028671 | 40 F |
| <input type="checkbox"/> 028668 | 20 Ft | <input type="checkbox"/> 028672 | 45 Ft |
| <input type="checkbox"/> 028646 | 25 Ft | <input type="checkbox"/> 028647 | 50 Ft |
| <input type="checkbox"/> 028669 | 30 Ft | <input type="checkbox"/> 028788 | 56 Ft |
| <input type="checkbox"/> 028670 | 35 Ft | <input type="checkbox"/> 028791 | 75 Ft |

14 Water Inj. Hose Between Gas Csl and RHF Csl

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

15 Water Inj. Hose Between Gas Csl and Torch

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

16 Cable Between Gas Csl and HT4001 PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023496 | 50 Ft | <input type="checkbox"/> 123031 | 170 Ft |
| <input type="checkbox"/> 023497 | 75 Ft | <input type="checkbox"/> 023500 | 200 Ft |
| <input type="checkbox"/> 023498 | 100 Ft | <input type="checkbox"/> 023812 | 250 Ft |
| <input type="checkbox"/> 123067 | 110 Ft | <input type="checkbox"/> 023819 | 300 Ft |
| <input type="checkbox"/> 123087 | 125 Ft | <input type="checkbox"/> 023576 | 350 Ft |
| <input type="checkbox"/> 023499 | 150 Ft | | |

17 V/C Control

- 077012 Control, Digital V/C (DR)
- 077013 Control, Programmable V/C (PR)
- 077020 Control, Remote Current (RCC)

18 Cable Between Dig. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023990 | 7 Ft | <input type="checkbox"/> 123188 | 120 Ft |
| <input type="checkbox"/> 023911 | 15 Ft | <input type="checkbox"/> 023882 | 125 Ft |
| <input type="checkbox"/> 023878 | 25 Ft | <input type="checkbox"/> 023883 | 150 Ft |
| <input type="checkbox"/> 023879 | 50 Ft | <input type="checkbox"/> 023884 | 200 Ft |
| <input type="checkbox"/> 123040 | 60 Ft | <input type="checkbox"/> 023885 | 250 Ft |
| <input type="checkbox"/> 023880 | 75 Ft | <input type="checkbox"/> 023886 | 275 Ft |
| <input type="checkbox"/> 123073 | 85 Ft | <input type="checkbox"/> 023887 | 300 Ft |
| <input type="checkbox"/> 023881 | 100 Ft | | |

19 Cables Between Program. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028831 | 15 Ft | <input type="checkbox"/> 028613 | 150 Ft |
| <input type="checkbox"/> 028609 | 25 Ft | <input type="checkbox"/> 028614 | 200 Ft |
| <input type="checkbox"/> 028610 | 50 Ft | <input type="checkbox"/> 028833 | 250 Ft |
| <input type="checkbox"/> 028611 | 75 Ft | <input type="checkbox"/> 028834 | 275 Ft |
| <input type="checkbox"/> 028612 | 100 Ft | <input type="checkbox"/> 028835 | 300 Ft |
| <input type="checkbox"/> 028832 | 125 Ft | | |

(20) Cable Between Current Remote (RCC) and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023150 | 10 Ft | <input type="checkbox"/> 123068 | 110 Ft |
| <input type="checkbox"/> 023871 | 25 Ft | <input type="checkbox"/> 123088 | 125 Ft |
| <input type="checkbox"/> 023872 | 38 Ft | <input type="checkbox"/> 023876 | 150 Ft |
| <input type="checkbox"/> 023873 | 50 Ft | <input type="checkbox"/> 123032 | 170 Ft |
| <input type="checkbox"/> 023874 | 75 Ft | <input type="checkbox"/> 023877 | 200 Ft |
| <input type="checkbox"/> 023875 | 100 Ft | | |

(21) I/O Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023892 | 25 Ft | <input type="checkbox"/> 123089 | 125 Ft |
| <input type="checkbox"/> 023893 | 50 Ft | <input type="checkbox"/> 023896 | 150 Ft |
| <input type="checkbox"/> 023894 | 75 Ft | <input type="checkbox"/> 123033 | 170 Ft |
| <input type="checkbox"/> 023895 | 100 Ft | <input type="checkbox"/> 023897 | 200 Ft |
| <input type="checkbox"/> 123069 | 110 Ft | | |

(22) V/C Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 023902 | 6 Ft | <input type="checkbox"/> 023855 | 75 Ft |
| <input type="checkbox"/> 023851 | 15 Ft | <input type="checkbox"/> 023856 | 100 Ft |
| <input type="checkbox"/> 023852 | 25 Ft | <input type="checkbox"/> 023903 | 125 Ft |
| <input type="checkbox"/> 023853 | 35 Ft | <input type="checkbox"/> 023857 | 150 Ft |
| <input type="checkbox"/> 023854 | 50 Ft | <input type="checkbox"/> 023858 | 200 Ft |

(23) Cable Between PS and Work Table (x2 w/Slave)

- | | |
|---------------------------------|-------|
| <input type="checkbox"/> 023382 | 15 Ft |
| <input type="checkbox"/> 023136 | 20 Ft |
| <input type="checkbox"/> 023078 | 25 Ft |
| <input type="checkbox"/> 023101 | 30 Ft |
| <input type="checkbox"/> 023135 | 40 Ft |
| <input type="checkbox"/> 023079 | 50 Ft |

(24) Water Chiller, 1-Torch

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> 039099 | Water Chiller, 200V, 600A, 1T |
| <input type="checkbox"/> 039116 | Water Chiller, 240V, 600A, 1T |
| <input type="checkbox"/> 039102 | Water Chiller, 380V, 600A, 1T |
| <input type="checkbox"/> 039101 | Water Chiller, 415V, 600A, 1T |
| <input type="checkbox"/> 039103 | Water Chiller, 440V, 600A, 1T |
| <input type="checkbox"/> 039098 | Water Chiller, 480V, 600A, 1T |
| <input type="checkbox"/> 039100 | Water Chiller, 575V, 600A, 1T |
| <input type="checkbox"/> 039111 | Water Chiller, 200V. 1000A, 1T |
| <input type="checkbox"/> 039118 | Water Chiller, 240V, 1000A, 1T |
| <input type="checkbox"/> 039114 | Water Chiller, 380V, 1000A, 1T |
| <input type="checkbox"/> 039113 | Water Chiller, 415V, 1000A, 1T |
| <input type="checkbox"/> 039115 | Water Chiller, 440V, 1000A, 1T |
| <input type="checkbox"/> 039110 | Water Chiller, 480V, 1000A, 1T |
| <input type="checkbox"/> 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|---------------------------------|-------------------------------|
| <input type="checkbox"/> 039105 | Water Chiller, 200V, 600A, 2T |
| <input type="checkbox"/> 039117 | Water Chiller, 240V, 600A, 2T |
| <input type="checkbox"/> 039108 | Water Chiller, 380V, 600A, 2T |
| <input type="checkbox"/> 039107 | Water Chiller, 415V, 600A, 2T |
| <input type="checkbox"/> 039109 | Water Chiller, 440V, 600A, 2T |
| <input type="checkbox"/> 039104 | Water Chiller, 480V, 600A, 2T |
| <input type="checkbox"/> 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 028760 | 3 Ft | <input type="checkbox"/> 128078 | 85 Ft |
| <input type="checkbox"/> 028860 | 7 Ft | <input type="checkbox"/> 028444 | 100 Ft |
| <input type="checkbox"/> 028652 | 10 Ft | <input type="checkbox"/> 028902 | 110 Ft |
| <input type="checkbox"/> 028440 | 15 Ft | <input type="checkbox"/> 028896 | 115 Ft |
| <input type="checkbox"/> 028653 | 20 Ft | <input type="checkbox"/> 128129 | 120 Ft |
| <input type="checkbox"/> 028441 | 25 Ft | <input type="checkbox"/> 028747 | 125 Ft |
| <input type="checkbox"/> 028442 | 50 Ft | <input type="checkbox"/> 028445 | 150 Ft |
| <input type="checkbox"/> 128052 | 60 Ft | <input type="checkbox"/> 128064 | 170 Ft |
| <input type="checkbox"/> 028443 | 75 Ft | <input type="checkbox"/> 028637 | 200 Ft |

(27) Hold Cable (2-Torch Systems)

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023340 | 15 Ft |
| <input type="checkbox"/> 023341 | 25 Ft |
| <input type="checkbox"/> 023342 | 50 Ft |
| <input type="checkbox"/> 023343 | 100 Ft |
| <input type="checkbox"/> 023344 | 150 Ft |

(28) Ind. Initial Height Sensing (IHS) System

- 028720 Inductive IHS

(28A) Inductive IHS Regulator, Air

- 011023 Regulator, Air

(28B) Ind. IHS Regulator Mounting Bracket

- 001160 Mounting Bracket, Air Regulator

(29) Inductive IHS Lead Set

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 028811 | 25 Ft |
| <input type="checkbox"/> 028812 | 50 Ft |
| <input type="checkbox"/> 028813 | 75 Ft |
| <input type="checkbox"/> 028814 | 100 Ft |
| <input type="checkbox"/> 028815 | 150 Ft |
| <input type="checkbox"/> 028816 | 200 Ft |

(30) Water Muffler Systems - with Hoses

- | | |
|---------------------------------|-----------------------------------|
| <input type="checkbox"/> 034126 | Water Muffler, w/ Hoses, 230/460V |
| <input type="checkbox"/> 034128 | Water Muffler, w/ Hoses, 380/415V |
| <input type="checkbox"/> 034130 | Water Muffler, w/ Hoses, 575V |

(30) Water Muffler Systems - without Hoses

- | | |
|---------------------------------|------------------------------------|
| <input type="checkbox"/> 034127 | Water Muffler, w/o Hoses, 230/460V |
| <input type="checkbox"/> 034129 | Water Muffler, w/o Hoses, 380-415V |
| <input type="checkbox"/> 034131 | Water Muffler, w/o Hoses, 575V |

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023905 | 25 Ft |
| <input type="checkbox"/> 023906 | 50 Ft |
| <input type="checkbox"/> 023907 | 75 Ft |
| <input type="checkbox"/> 023908 | 100 Ft |
| <input type="checkbox"/> 023909 | 150 Ft |
| <input type="checkbox"/> 023910 | 200 Ft |

(30B) Additional Length WM Cables - PS to WM Pump

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023866 | 50 Ft |
| <input type="checkbox"/> 023867 | 75 Ft |
| <input type="checkbox"/> 023868 | 100 Ft |

(30c) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in Ft.)

(31) Hose Between O2 Supply and Gas Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 024204 | 15 Ft | <input type="checkbox"/> 024450 | 115 Ft |
| <input type="checkbox"/> 024205 | 25 Ft | <input type="checkbox"/> 024516 | 120 Ft |
| <input type="checkbox"/> 024155 | 50 Ft | <input type="checkbox"/> 024490 | 125 Ft |
| <input type="checkbox"/> 024398 | 75 Ft | <input type="checkbox"/> 024159 | 150 Ft |
| <input type="checkbox"/> 024487 | 85 Ft | <input type="checkbox"/> 024470 | 180 Ft |
| <input type="checkbox"/> 024206 | 100 Ft | <input type="checkbox"/> 024333 | 200 Ft |
| <input type="checkbox"/> 024481 | 110 Ft | | |

(32) Hose Between N2 Supply and Gas Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 024505 | 6 Ft | <input type="checkbox"/> 024116 | 100 Ft |
| <input type="checkbox"/> 024210 | 10 Ft | <input type="checkbox"/> 024482 | 110 Ft |
| <input type="checkbox"/> 024203 | 15 Ft | <input type="checkbox"/> 024451 | 115 Ft |
| <input type="checkbox"/> 024232 | 20 Ft | <input type="checkbox"/> 024517 | 120 Ft |
| <input type="checkbox"/> 024134 | 25 Ft | <input type="checkbox"/> 024491 | 125 Ft |
| <input type="checkbox"/> 024211 | 35 Ft | <input type="checkbox"/> 024120 | 150 Ft |
| <input type="checkbox"/> 024112 | 50 Ft | <input type="checkbox"/> 024185 | 180 Ft |
| <input type="checkbox"/> 024148 | 75 Ft | <input type="checkbox"/> 024124 | 200 Ft |
| <input type="checkbox"/> 024488 | 85 Ft | | |

Spare Parts Kits

- | | |
|---------------------------------|---|
| <input type="checkbox"/> 028825 | PAC620 Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 028826 | PAC620 Spare Parts Kit - w/o Slave, Bevel |
| <input type="checkbox"/> 028827 | PAC620 Spare Parts Kit - w/ Slave, Standard |
| <input type="checkbox"/> 028828 | PAC620 Spare Parts Kit - w/ Slave, Bevel |
| <input type="checkbox"/> 128130 | PAC620 CE Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 128131 | PAC620 CE Spare Parts Kit - w/ Slave, Standard |

Distributor Information:**HYPERTHERM**
HT4001 Order Form**Customer Information:****1 HT4001 Power Supply**

No. for Optional Voltage
(see pg. 1-6 of Product Manual)

- 077002 PS, 200/220V, 50-60 Hz, w/THC
- 077003 PS, 380/400/415V, 50-60 Hz, w/THC
- 077022 PS, 400V, CE, 50-60 Hz, w/THC
- 077004 PS, 240/480V, 60 Hz, w/THC
- 077005 PS, 575/600V, 60 Hz, w/THC
- 077031 PS, 440/480V, 50 Hz, w/THC
- 077016 PS, 200/220V, 50-60 Hz, w/o THC
- 077017 PS, 380/400/415V, 50-60 Hz, w/o THC
- 077023 PS, 400V, CE, 50-60 Hz, w/o THC
- 077018 PS, 240/480V, 60 Hz, w/o THC
- 077019 PS, 575/600V, 60 Hz, w/o THC
- 077030 PS, 440/480V, 50 Hz, w/o THC

2 H401 Slave Power Supply

- 036038 H401 SPS, 200V, 50 Hz, 3Ø
- 036036 H401 SPS, 400V, 50 Hz, 3Ø
- 036035 H401 SPS, 480V, 60 Hz, 3Ø
- 036037 H401 SPS, 600V, 60 Hz, 3Ø

3 Slave Interconnect Kit

- 077011 Kit: H-401/601 Slave

4 Timer/Counter

- 073057 HT4X00 Cntr-Tmr

5 Timer/Counter Cable

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023789 | 10 Ft | <input type="checkbox"/> 123063 | 110 Ft |
| <input type="checkbox"/> 023790 | 25 Ft | <input type="checkbox"/> 123083 | 125 Ft |
| <input type="checkbox"/> 023791 | 50 Ft | <input type="checkbox"/> 023794 | 150 Ft |
| <input type="checkbox"/> 023792 | 75 Ft | <input type="checkbox"/> 123027 | 170 Ft |
| <input type="checkbox"/> 023793 | 100 Ft | | |

6 Torch Assembly / 14 ft Leads Package

- 028838 PAC620 Standard Torch Assy
- 028836 PAC620 Beveling Torch Assy

7 Torch Mounting Bracket

- 020046 Torch Mounting Bracket

8 Remote High Frequency Csl

- 077010 Rem. High Frequency Csl, HT4001

9A Leads Between PS (w/o Slave) and RHF Csl

- 028794 50 Ft
- 028795 75 Ft
- 028796 100 Ft
- 128065 110 Ft
- 028797 150 Ft
- 028798 200 Ft

9B Leads Between PS (w/ Slave) and RHF Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028799 | 50 Ft | <input type="checkbox"/> 028802 | 150 Ft |
| <input type="checkbox"/> 028800 | 75 Ft | <input type="checkbox"/> 128044 | 170 Ft |
| <input type="checkbox"/> 028801 | 100 Ft | <input type="checkbox"/> 028803 | 200 Ft |
| | 125 Ft | | |

10 Shielded Leads Between Torch and RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028508 | 10 Ft | <input type="checkbox"/> 028514 | 40 Ft |
| <input type="checkbox"/> 028509 | 15 Ft | <input type="checkbox"/> 028515 | 45 Ft |
| <input type="checkbox"/> 028510 | 20 Ft | <input type="checkbox"/> 028516 | 50 Ft |
| <input type="checkbox"/> 028511 | 25 Ft | <input type="checkbox"/> 028770 | 55 Ft |
| <input type="checkbox"/> 028512 | 30 Ft | <input type="checkbox"/> 028771 | 60 Ft |
| <input type="checkbox"/> 028513 | 35 Ft | | |

11 Gas Csl, HT4001

- 073216 Gas Csl, HT4001

12 Motor Valve Csl, HT4001

- 073214 Motor Valve Csl, HT4001

13 Leads Between Gas Csl and Motor Valve Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028667 | 15 Ft | <input type="checkbox"/> 028671 | 40 F |
| <input type="checkbox"/> 028668 | 20 Ft | <input type="checkbox"/> 028672 | 45 Ft |
| <input type="checkbox"/> 028646 | 25 Ft | <input type="checkbox"/> 028647 | 50 Ft |
| <input type="checkbox"/> 028669 | 30 Ft | <input type="checkbox"/> 028788 | 56 Ft |
| <input type="checkbox"/> 028670 | 35 Ft | <input type="checkbox"/> 028791 | 75 Ft |

14 Water Inj. Hose Between Gas Csl and RHF Csl

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

15 Water Inj. Hose Between Gas Csl and Torch

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

16 Cable Between Gas Csl and HT4001 PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023496 | 50 Ft | <input type="checkbox"/> 123031 | 170 Ft |
| <input type="checkbox"/> 023497 | 75 Ft | <input type="checkbox"/> 023500 | 200 Ft |
| <input type="checkbox"/> 023498 | 100 Ft | <input type="checkbox"/> 023812 | 250 Ft |
| <input type="checkbox"/> 123067 | 110 Ft | <input type="checkbox"/> 023819 | 300 Ft |
| <input type="checkbox"/> 123087 | 125 Ft | <input type="checkbox"/> 023576 | 350 Ft |
| <input type="checkbox"/> 023499 | 150 Ft | | |

17 V/C Control

- 077012 Control, Digital V/C (DR)
- 077013 Control, Programmable V/C (PR)
- 077020 Control, Remote Current (RCC)

18 Cable Between Dig. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023990 | 7 Ft | <input type="checkbox"/> 123188 | 120 Ft |
| <input type="checkbox"/> 023911 | 15 Ft | <input type="checkbox"/> 023882 | 125 Ft |
| <input type="checkbox"/> 023878 | 25 Ft | <input type="checkbox"/> 023883 | 150 Ft |
| <input type="checkbox"/> 023879 | 50 Ft | <input type="checkbox"/> 023884 | 200 Ft |
| <input type="checkbox"/> 123040 | 60 Ft | <input type="checkbox"/> 023885 | 250 Ft |
| <input type="checkbox"/> 023880 | 75 Ft | <input type="checkbox"/> 023886 | 275 Ft |
| <input type="checkbox"/> 123073 | 85 Ft | <input type="checkbox"/> 023887 | 300 Ft |
| <input type="checkbox"/> 023881 | 100 Ft | | |

19 Cables Between Program. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028831 | 15 Ft | <input type="checkbox"/> 028613 | 150 Ft |
| <input type="checkbox"/> 028609 | 25 Ft | <input type="checkbox"/> 028614 | 200 Ft |
| <input type="checkbox"/> 028610 | 50 Ft | <input type="checkbox"/> 028833 | 250 Ft |
| <input type="checkbox"/> 028611 | 75 Ft | <input type="checkbox"/> 028834 | 275 Ft |
| <input type="checkbox"/> 028612 | 100 Ft | <input type="checkbox"/> 028835 | 300 Ft |
| <input type="checkbox"/> 028832 | 125 Ft | | |

(20) Cable Between Current Remote (RCC) and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023150 | 10 Ft | <input type="checkbox"/> 123068 | 110 Ft |
| <input type="checkbox"/> 023871 | 25 Ft | <input type="checkbox"/> 123088 | 125 Ft |
| <input type="checkbox"/> 023872 | 38 Ft | <input type="checkbox"/> 023876 | 150 Ft |
| <input type="checkbox"/> 023873 | 50 Ft | <input type="checkbox"/> 123032 | 170 Ft |
| <input type="checkbox"/> 023874 | 75 Ft | <input type="checkbox"/> 023877 | 200 Ft |
| <input type="checkbox"/> 023875 | 100 Ft | | |

(21) I/O Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023892 | 25 Ft | <input type="checkbox"/> 123089 | 125 Ft |
| <input type="checkbox"/> 023893 | 50 Ft | <input type="checkbox"/> 023896 | 150 Ft |
| <input type="checkbox"/> 023894 | 75 Ft | <input type="checkbox"/> 123033 | 170 Ft |
| <input type="checkbox"/> 023895 | 100 Ft | <input type="checkbox"/> 023897 | 200 Ft |
| <input type="checkbox"/> 123069 | 110 Ft | | |

(22) V/C Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 023902 | 6 Ft | <input type="checkbox"/> 023855 | 75 Ft |
| <input type="checkbox"/> 023851 | 15 Ft | <input type="checkbox"/> 023856 | 100 Ft |
| <input type="checkbox"/> 023852 | 25 Ft | <input type="checkbox"/> 023903 | 125 Ft |
| <input type="checkbox"/> 023853 | 35 Ft | <input type="checkbox"/> 023857 | 150 Ft |
| <input type="checkbox"/> 023854 | 50 Ft | <input type="checkbox"/> 023858 | 200 Ft |

(23) Cable Between PS and Work Table (x2 w/Slave)

- | | |
|---------------------------------|-------|
| <input type="checkbox"/> 023382 | 15 Ft |
| <input type="checkbox"/> 023136 | 20 Ft |
| <input type="checkbox"/> 023078 | 25 Ft |
| <input type="checkbox"/> 023101 | 30 Ft |
| <input type="checkbox"/> 023135 | 40 Ft |
| <input type="checkbox"/> 023079 | 50 Ft |

(24) Water Chiller, 1-Torch

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> 039099 | Water Chiller, 200V, 600A, 1T |
| <input type="checkbox"/> 039116 | Water Chiller, 240V, 600A, 1T |
| <input type="checkbox"/> 039102 | Water Chiller, 380V, 600A, 1T |
| <input type="checkbox"/> 039101 | Water Chiller, 415V, 600A, 1T |
| <input type="checkbox"/> 039103 | Water Chiller, 440V, 600A, 1T |
| <input type="checkbox"/> 039098 | Water Chiller, 480V, 600A, 1T |
| <input type="checkbox"/> 039100 | Water Chiller, 575V, 600A, 1T |
| <input type="checkbox"/> 039111 | Water Chiller, 200V, 1000A, 1T |
| <input type="checkbox"/> 039118 | Water Chiller, 240V, 1000A, 1T |
| <input type="checkbox"/> 039114 | Water Chiller, 380V, 1000A, 1T |
| <input type="checkbox"/> 039113 | Water Chiller, 415V, 1000A, 1T |
| <input type="checkbox"/> 039115 | Water Chiller, 440V, 1000A, 1T |
| <input type="checkbox"/> 039110 | Water Chiller, 480V, 1000A, 1T |
| <input type="checkbox"/> 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|---------------------------------|-------------------------------|
| <input type="checkbox"/> 039105 | Water Chiller, 200V, 600A, 2T |
| <input type="checkbox"/> 039117 | Water Chiller, 240V, 600A, 2T |
| <input type="checkbox"/> 039108 | Water Chiller, 380V, 600A, 2T |
| <input type="checkbox"/> 039107 | Water Chiller, 415V, 600A, 2T |
| <input type="checkbox"/> 039109 | Water Chiller, 440V, 600A, 2T |
| <input type="checkbox"/> 039104 | Water Chiller, 480V, 600A, 2T |
| <input type="checkbox"/> 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 028760 | 3 Ft | <input type="checkbox"/> 128078 | 85 Ft |
| <input type="checkbox"/> 028860 | 7 Ft | <input type="checkbox"/> 028444 | 100 Ft |
| <input type="checkbox"/> 028652 | 10 Ft | <input type="checkbox"/> 028902 | 110 Ft |
| <input type="checkbox"/> 028440 | 15 Ft | <input type="checkbox"/> 028896 | 115 Ft |
| <input type="checkbox"/> 028653 | 20 Ft | <input type="checkbox"/> 128129 | 120 Ft |
| <input type="checkbox"/> 028441 | 25 Ft | <input type="checkbox"/> 028747 | 125 Ft |
| <input type="checkbox"/> 028442 | 50 Ft | <input type="checkbox"/> 028445 | 150 Ft |
| <input type="checkbox"/> 128052 | 60 Ft | <input type="checkbox"/> 128064 | 170 Ft |
| <input type="checkbox"/> 028443 | 75 Ft | <input type="checkbox"/> 028637 | 200 Ft |

(27) Hold Cable (2-Torch Systems)

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023340 | 15 Ft |
| <input type="checkbox"/> 023341 | 25 Ft |
| <input type="checkbox"/> 023342 | 50 Ft |
| <input type="checkbox"/> 023343 | 100 Ft |
| <input type="checkbox"/> 023344 | 150 Ft |

(28) Ind. Initial Height Sensing (IHS) System

- 028720 Inductive IHS

(28A) Inductive IHS Regulator, Air

- 011023 Regulator, Air

(28B) Ind. IHS Regulator Mounting Bracket

- 001160 Mounting Bracket, Air Regulator

(29) Inductive IHS Lead Set

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 028811 | 25 Ft |
| <input type="checkbox"/> 028812 | 50 Ft |
| <input type="checkbox"/> 028813 | 75 Ft |
| <input type="checkbox"/> 028814 | 100 Ft |
| <input type="checkbox"/> 028815 | 150 Ft |
| <input type="checkbox"/> 028816 | 200 Ft |

(30) Water Muffler Systems - with Hoses

- | | |
|---------------------------------|-----------------------------------|
| <input type="checkbox"/> 034126 | Water Muffler, w/ Hoses, 230/460V |
| <input type="checkbox"/> 034128 | Water Muffler, w/ Hoses, 380/415V |
| <input type="checkbox"/> 034130 | Water Muffler, w/ Hoses, 575V |

(30) Water Muffler Systems - without Hoses

- | | |
|---------------------------------|------------------------------------|
| <input type="checkbox"/> 034127 | Water Muffler, w/o Hoses, 230/460V |
| <input type="checkbox"/> 034129 | Water Muffler, w/o Hoses, 380-415V |
| <input type="checkbox"/> 034131 | Water Muffler, w/o Hoses, 575V |

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023905 | 25 Ft |
| <input type="checkbox"/> 023906 | 50 Ft |
| <input type="checkbox"/> 023907 | 75 Ft |
| <input type="checkbox"/> 023908 | 100 Ft |
| <input type="checkbox"/> 023909 | 150 Ft |
| <input type="checkbox"/> 023910 | 200 Ft |

(30B) Additional Length WM Cables - PS to WM Pump

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023866 | 50 Ft |
| <input type="checkbox"/> 023867 | 75 Ft |
| <input type="checkbox"/> 023868 | 100 Ft |

(30c) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in Ft.)

(31) Hose Between O2 Supply and Gas Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 024204 | 15 Ft | <input type="checkbox"/> 024450 | 115 Ft |
| <input type="checkbox"/> 024205 | 25 Ft | <input type="checkbox"/> 024516 | 120 Ft |
| <input type="checkbox"/> 024155 | 50 Ft | <input type="checkbox"/> 024490 | 125 Ft |
| <input type="checkbox"/> 024398 | 75 Ft | <input type="checkbox"/> 024159 | 150 Ft |
| <input type="checkbox"/> 024487 | 85 Ft | <input type="checkbox"/> 024470 | 180 Ft |
| <input type="checkbox"/> 024206 | 100 Ft | <input type="checkbox"/> 024333 | 200 Ft |
| <input type="checkbox"/> 024481 | 110 Ft | | |

(32) Hose Between N2 Supply and Gas Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 024505 | 6 Ft | <input type="checkbox"/> 024116 | 100 Ft |
| <input type="checkbox"/> 024210 | 10 Ft | <input type="checkbox"/> 024482 | 110 Ft |
| <input type="checkbox"/> 024203 | 15 Ft | <input type="checkbox"/> 024451 | 115 Ft |
| <input type="checkbox"/> 024232 | 20 Ft | <input type="checkbox"/> 024517 | 120 Ft |
| <input type="checkbox"/> 024134 | 25 Ft | <input type="checkbox"/> 024491 | 125 Ft |
| <input type="checkbox"/> 024211 | 35 Ft | <input type="checkbox"/> 024120 | 150 Ft |
| <input type="checkbox"/> 024112 | 50 Ft | <input type="checkbox"/> 024185 | 180 Ft |
| <input type="checkbox"/> 024148 | 75 Ft | <input type="checkbox"/> 024124 | 200 Ft |
| <input type="checkbox"/> 024488 | 85 Ft | | |

Spare Parts Kits

- | | |
|---------------------------------|---|
| <input type="checkbox"/> 028825 | PAC620 Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 028826 | PAC620 Spare Parts Kit - w/o Slave, Bevel |
| <input type="checkbox"/> 028827 | PAC620 Spare Parts Kit - w/ Slave, Standard |
| <input type="checkbox"/> 028828 | PAC620 Spare Parts Kit - w/ Slave, Bevel |
| <input type="checkbox"/> 128130 | PAC620 CE Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 128131 | PAC620 CE Spare Parts Kit - w/ Slave, Standard |

Distributor Information:**HYPERTHERM**
HT4001 Order Form**Customer Information:****1 HT4001 Power Supply**

No. for Optional Voltage
(see pg. 1-6 of Product Manual)

- 077002 PS, 200/220V, 50-60 Hz, w/THC
- 077003 PS, 380/400/415V, 50-60 Hz, w/THC
- 077022 PS, 400V, CE, 50-60 Hz, w/THC
- 077004 PS, 240/480V, 60 Hz, w/THC
- 077005 PS, 575/600V, 60 Hz, w/THC
- 077031 PS, 440/480V, 50 Hz, w/THC
- 077016 PS, 200/220V, 50-60 Hz, w/o THC
- 077017 PS, 380/400/415V, 50-60 Hz, w/o THC
- 077023 PS, 400V, CE, 50-60 Hz, w/o THC
- 077018 PS, 240/480V, 60 Hz, w/o THC
- 077019 PS, 575/600V, 60 Hz, w/o THC
- 077030 PS, 440/480V, 50 Hz, w/o THC

2 H401 Slave Power Supply

- 036038 H401 SPS, 200V, 50 Hz, 3Ø
- 036036 H401 SPS, 400V, 50 Hz, 3Ø
- 036035 H401 SPS, 480V, 60 Hz, 3Ø
- 036037 H401 SPS, 600V, 60 Hz, 3Ø

3 Slave Interconnect Kit

- 077011 Kit: H-401/601 Slave

4 Timer/Counter

- 073057 HT4X00 Cntr-Tmr

5 Timer/Counter Cable

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023789 | 10 Ft | <input type="checkbox"/> 123063 | 110 Ft |
| <input type="checkbox"/> 023790 | 25 Ft | <input type="checkbox"/> 123083 | 125 Ft |
| <input type="checkbox"/> 023791 | 50 Ft | <input type="checkbox"/> 023794 | 150 Ft |
| <input type="checkbox"/> 023792 | 75 Ft | <input type="checkbox"/> 123027 | 170 Ft |
| <input type="checkbox"/> 023793 | 100 Ft | | |

6 Torch Assembly / 14 ft Leads Package

- 028838 PAC620 Standard Torch Assy
- 028836 PAC620 Beveling Torch Assy

7 Torch Mounting Bracket

- 020046 Torch Mounting Bracket

8 Remote High Frequency Csl

- 077010 Rem. High Frequency Csl, HT4001

9A Leads Between PS (w/o Slave) and RHF Csl

- 028794 50 Ft
- 028795 75 Ft
- 028796 100 Ft
- 128065 110 Ft
- 028797 150 Ft
- 028798 200 Ft

9B Leads Between PS (w/ Slave) and RHF Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028799 | 50 Ft | <input type="checkbox"/> 028802 | 150 Ft |
| <input type="checkbox"/> 028800 | 75 Ft | <input type="checkbox"/> 128044 | 170 Ft |
| <input type="checkbox"/> 028801 | 100 Ft | <input type="checkbox"/> 028803 | 200 Ft |
| | 125 Ft | | |

10 Shielded Leads Between Torch and RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028508 | 10 Ft | <input type="checkbox"/> 028514 | 40 Ft |
| <input type="checkbox"/> 028509 | 15 Ft | <input type="checkbox"/> 028515 | 45 Ft |
| <input type="checkbox"/> 028510 | 20 Ft | <input type="checkbox"/> 028516 | 50 Ft |
| <input type="checkbox"/> 028511 | 25 Ft | <input type="checkbox"/> 028770 | 55 Ft |
| <input type="checkbox"/> 028512 | 30 Ft | <input type="checkbox"/> 028771 | 60 Ft |
| <input type="checkbox"/> 028513 | 35 Ft | | |

11 Gas Csl, HT4001

- 073216 Gas Csl, HT4001

12 Motor Valve Csl, HT4001

- 073214 Motor Valve Csl, HT4001

13 Leads Between Gas Csl and Motor Valve Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028667 | 15 Ft | <input type="checkbox"/> 028671 | 40 F |
| <input type="checkbox"/> 028668 | 20 Ft | <input type="checkbox"/> 028672 | 45 Ft |
| <input type="checkbox"/> 028646 | 25 Ft | <input type="checkbox"/> 028647 | 50 Ft |
| <input type="checkbox"/> 028669 | 30 Ft | <input type="checkbox"/> 028788 | 56 Ft |
| <input type="checkbox"/> 028670 | 35 Ft | <input type="checkbox"/> 028791 | 75 Ft |

14 Water Inj. Hose Between Gas Csl and RHF Csl

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

15 Water Inj. Hose Between Gas Csl and Torch

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

16 Cable Between Gas Csl and HT4001 PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023496 | 50 Ft | <input type="checkbox"/> 123031 | 170 Ft |
| <input type="checkbox"/> 023497 | 75 Ft | <input type="checkbox"/> 023500 | 200 Ft |
| <input type="checkbox"/> 023498 | 100 Ft | <input type="checkbox"/> 023812 | 250 Ft |
| <input type="checkbox"/> 123067 | 110 Ft | <input type="checkbox"/> 023819 | 300 Ft |
| <input type="checkbox"/> 123087 | 125 Ft | <input type="checkbox"/> 023576 | 350 Ft |
| <input type="checkbox"/> 023499 | 150 Ft | | |

17 V/C Control

- 077012 Control, Digital V/C (DR)
- 077013 Control, Programmable V/C (PR)
- 077020 Control, Remote Current (RCC)

18 Cable Between Dig. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023990 | 7 Ft | <input type="checkbox"/> 123188 | 120 Ft |
| <input type="checkbox"/> 023911 | 15 Ft | <input type="checkbox"/> 023882 | 125 Ft |
| <input type="checkbox"/> 023878 | 25 Ft | <input type="checkbox"/> 023883 | 150 Ft |
| <input type="checkbox"/> 023879 | 50 Ft | <input type="checkbox"/> 023884 | 200 Ft |
| <input type="checkbox"/> 123040 | 60 Ft | <input type="checkbox"/> 023885 | 250 Ft |
| <input type="checkbox"/> 023880 | 75 Ft | <input type="checkbox"/> 023886 | 275 Ft |
| <input type="checkbox"/> 123073 | 85 Ft | <input type="checkbox"/> 023887 | 300 Ft |
| <input type="checkbox"/> 023881 | 100 Ft | | |

19 Cables Between Program. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028831 | 15 Ft | <input type="checkbox"/> 028613 | 150 Ft |
| <input type="checkbox"/> 028609 | 25 Ft | <input type="checkbox"/> 028614 | 200 Ft |
| <input type="checkbox"/> 028610 | 50 Ft | <input type="checkbox"/> 028833 | 250 Ft |
| <input type="checkbox"/> 028611 | 75 Ft | <input type="checkbox"/> 028834 | 275 Ft |
| <input type="checkbox"/> 028612 | 100 Ft | <input type="checkbox"/> 028835 | 300 Ft |
| <input type="checkbox"/> 028832 | 125 Ft | | |

(20) Cable Between Current Remote (RCC) and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023150 | 10 Ft | <input type="checkbox"/> 123068 | 110 Ft |
| <input type="checkbox"/> 023871 | 25 Ft | <input type="checkbox"/> 123088 | 125 Ft |
| <input type="checkbox"/> 023872 | 38 Ft | <input type="checkbox"/> 023876 | 150 Ft |
| <input type="checkbox"/> 023873 | 50 Ft | <input type="checkbox"/> 123032 | 170 Ft |
| <input type="checkbox"/> 023874 | 75 Ft | <input type="checkbox"/> 023877 | 200 Ft |
| <input type="checkbox"/> 023875 | 100 Ft | | |

(21) I/O Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023892 | 25 Ft | <input type="checkbox"/> 123089 | 125 Ft |
| <input type="checkbox"/> 023893 | 50 Ft | <input type="checkbox"/> 023896 | 150 Ft |
| <input type="checkbox"/> 023894 | 75 Ft | <input type="checkbox"/> 123033 | 170 Ft |
| <input type="checkbox"/> 023895 | 100 Ft | <input type="checkbox"/> 023897 | 200 Ft |
| <input type="checkbox"/> 123069 | 110 Ft | | |

(22) V/C Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 023902 | 6 Ft | <input type="checkbox"/> 023855 | 75 Ft |
| <input type="checkbox"/> 023851 | 15 Ft | <input type="checkbox"/> 023856 | 100 Ft |
| <input type="checkbox"/> 023852 | 25 Ft | <input type="checkbox"/> 023903 | 125 Ft |
| <input type="checkbox"/> 023853 | 35 Ft | <input type="checkbox"/> 023857 | 150 Ft |
| <input type="checkbox"/> 023854 | 50 Ft | <input type="checkbox"/> 023858 | 200 Ft |

(23) Cable Between PS and Work Table (x2 w/Slave)

- | | |
|---------------------------------|-------|
| <input type="checkbox"/> 023382 | 15 Ft |
| <input type="checkbox"/> 023136 | 20 Ft |
| <input type="checkbox"/> 023078 | 25 Ft |
| <input type="checkbox"/> 023101 | 30 Ft |
| <input type="checkbox"/> 023135 | 40 Ft |
| <input type="checkbox"/> 023079 | 50 Ft |

(24) Water Chiller, 1-Torch

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> 039099 | Water Chiller, 200V, 600A, 1T |
| <input type="checkbox"/> 039116 | Water Chiller, 240V, 600A, 1T |
| <input type="checkbox"/> 039102 | Water Chiller, 380V, 600A, 1T |
| <input type="checkbox"/> 039101 | Water Chiller, 415V, 600A, 1T |
| <input type="checkbox"/> 039103 | Water Chiller, 440V, 600A, 1T |
| <input type="checkbox"/> 039098 | Water Chiller, 480V, 600A, 1T |
| <input type="checkbox"/> 039100 | Water Chiller, 575V, 600A, 1T |
| <input type="checkbox"/> 039111 | Water Chiller, 200V. 1000A, 1T |
| <input type="checkbox"/> 039118 | Water Chiller, 240V, 1000A, 1T |
| <input type="checkbox"/> 039114 | Water Chiller, 380V, 1000A, 1T |
| <input type="checkbox"/> 039113 | Water Chiller, 415V, 1000A, 1T |
| <input type="checkbox"/> 039115 | Water Chiller, 440V, 1000A, 1T |
| <input type="checkbox"/> 039110 | Water Chiller, 480V, 1000A, 1T |
| <input type="checkbox"/> 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|---------------------------------|-------------------------------|
| <input type="checkbox"/> 039105 | Water Chiller, 200V, 600A, 2T |
| <input type="checkbox"/> 039117 | Water Chiller, 240V, 600A, 2T |
| <input type="checkbox"/> 039108 | Water Chiller, 380V, 600A, 2T |
| <input type="checkbox"/> 039107 | Water Chiller, 415V, 600A, 2T |
| <input type="checkbox"/> 039109 | Water Chiller, 440V, 600A, 2T |
| <input type="checkbox"/> 039104 | Water Chiller, 480V, 600A, 2T |
| <input type="checkbox"/> 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 028760 | 3 Ft | <input type="checkbox"/> 128078 | 85 Ft |
| <input type="checkbox"/> 028860 | 7 Ft | <input type="checkbox"/> 028444 | 100 Ft |
| <input type="checkbox"/> 028652 | 10 Ft | <input type="checkbox"/> 028902 | 110 Ft |
| <input type="checkbox"/> 028440 | 15 Ft | <input type="checkbox"/> 028896 | 115 Ft |
| <input type="checkbox"/> 028653 | 20 Ft | <input type="checkbox"/> 128129 | 120 Ft |
| <input type="checkbox"/> 028441 | 25 Ft | <input type="checkbox"/> 028747 | 125 Ft |
| <input type="checkbox"/> 028442 | 50 Ft | <input type="checkbox"/> 028445 | 150 Ft |
| <input type="checkbox"/> 128052 | 60 Ft | <input type="checkbox"/> 128064 | 170 Ft |
| <input type="checkbox"/> 028443 | 75 Ft | <input type="checkbox"/> 028637 | 200 Ft |

(27) Hold Cable (2-Torch Systems)

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023340 | 15 Ft |
| <input type="checkbox"/> 023341 | 25 Ft |
| <input type="checkbox"/> 023342 | 50 Ft |
| <input type="checkbox"/> 023343 | 100 Ft |
| <input type="checkbox"/> 023344 | 150 Ft |

(28) Ind. Initial Height Sensing (IHS) System

- 028720 Inductive IHS

(28A) Inductive IHS Regulator, Air

- 011023 Regulator, Air

(28B) Ind. IHS Regulator Mounting Bracket

- 001160 Mounting Bracket, Air Regulator

(29) Inductive IHS Lead Set

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 028811 | 25 Ft |
| <input type="checkbox"/> 028812 | 50 Ft |
| <input type="checkbox"/> 028813 | 75 Ft |
| <input type="checkbox"/> 028814 | 100 Ft |
| <input type="checkbox"/> 028815 | 150 Ft |
| <input type="checkbox"/> 028816 | 200 Ft |

(30) Water Muffler Systems - with Hoses

- | | |
|---------------------------------|-----------------------------------|
| <input type="checkbox"/> 034126 | Water Muffler, w/ Hoses, 230/460V |
| <input type="checkbox"/> 034128 | Water Muffler, w/ Hoses, 380/415V |
| <input type="checkbox"/> 034130 | Water Muffler, w/ Hoses, 575V |

(30) Water Muffler Systems - without Hoses

- | | |
|---------------------------------|------------------------------------|
| <input type="checkbox"/> 034127 | Water Muffler, w/o Hoses, 230/460V |
| <input type="checkbox"/> 034129 | Water Muffler, w/o Hoses, 380-415V |
| <input type="checkbox"/> 034131 | Water Muffler, w/o Hoses, 575V |

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023905 | 25 Ft |
| <input type="checkbox"/> 023906 | 50 Ft |
| <input type="checkbox"/> 023907 | 75 Ft |
| <input type="checkbox"/> 023908 | 100 Ft |
| <input type="checkbox"/> 023909 | 150 Ft |
| <input type="checkbox"/> 023910 | 200 Ft |

(30B) Additional Length WM Cables - PS to WM Pump

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023866 | 50 Ft |
| <input type="checkbox"/> 023867 | 75 Ft |
| <input type="checkbox"/> 023868 | 100 Ft |

(30c) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in Ft.)

(31) Hose Between O2 Supply and Gas Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 024204 | 15 Ft | <input type="checkbox"/> 024450 | 115 Ft |
| <input type="checkbox"/> 024205 | 25 Ft | <input type="checkbox"/> 024516 | 120 Ft |
| <input type="checkbox"/> 024155 | 50 Ft | <input type="checkbox"/> 024490 | 125 Ft |
| <input type="checkbox"/> 024398 | 75 Ft | <input type="checkbox"/> 024159 | 150 Ft |
| <input type="checkbox"/> 024487 | 85 Ft | <input type="checkbox"/> 024470 | 180 Ft |
| <input type="checkbox"/> 024206 | 100 Ft | <input type="checkbox"/> 024333 | 200 Ft |
| <input type="checkbox"/> 024481 | 110 Ft | | |

(32) Hose Between N2 Supply and Gas Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 024505 | 6 Ft | <input type="checkbox"/> 024116 | 100 Ft |
| <input type="checkbox"/> 024210 | 10 Ft | <input type="checkbox"/> 024482 | 110 Ft |
| <input type="checkbox"/> 024203 | 15 Ft | <input type="checkbox"/> 024451 | 115 Ft |
| <input type="checkbox"/> 024232 | 20 Ft | <input type="checkbox"/> 024517 | 120 Ft |
| <input type="checkbox"/> 024134 | 25 Ft | <input type="checkbox"/> 024491 | 125 Ft |
| <input type="checkbox"/> 024211 | 35 Ft | <input type="checkbox"/> 024120 | 150 Ft |
| <input type="checkbox"/> 024112 | 50 Ft | <input type="checkbox"/> 024185 | 180 Ft |
| <input type="checkbox"/> 024148 | 75 Ft | <input type="checkbox"/> 024124 | 200 Ft |
| <input type="checkbox"/> 024488 | 85 Ft | | |

Spare Parts Kits

- | | |
|---------------------------------|---|
| <input type="checkbox"/> 028825 | PAC620 Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 028826 | PAC620 Spare Parts Kit - w/o Slave, Bevel |
| <input type="checkbox"/> 028827 | PAC620 Spare Parts Kit - w/ Slave, Standard |
| <input type="checkbox"/> 028828 | PAC620 Spare Parts Kit - w/ Slave, Bevel |
| <input type="checkbox"/> 128130 | PAC620 CE Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 128131 | PAC620 CE Spare Parts Kit - w/ Slave, Standard |

Distributor Information:**HYPERTHERM**
HT4001 Order Form**Customer Information:****1 HT4001 Power Supply**

No. for Optional Voltage
(see pg. 1-6 of Product Manual)

- 077002 PS, 200/220V, 50-60 Hz, w/THC
- 077003 PS, 380/400/415V, 50-60 Hz, w/THC
- 077022 PS, 400V, CE, 50-60 Hz, w/THC
- 077004 PS, 240/480V, 60 Hz, w/THC
- 077005 PS, 575/600V, 60 Hz, w/THC
- 077031 PS, 440/480V, 50 Hz, w/THC
- 077016 PS, 200/220V, 50-60 Hz, w/o THC
- 077017 PS, 380/400/415V, 50-60 Hz, w/o THC
- 077023 PS, 400V, CE, 50-60 Hz, w/o THC
- 077018 PS, 240/480V, 60 Hz, w/o THC
- 077019 PS, 575/600V, 60 Hz, w/o THC
- 077030 PS, 440/480V, 50 Hz, w/o THC

2 H401 Slave Power Supply

- 036038 H401 SPS, 200V, 50 Hz, 3Ø
- 036036 H401 SPS, 400V, 50 Hz, 3Ø
- 036035 H401 SPS, 480V, 60 Hz, 3Ø
- 036037 H401 SPS, 600V, 60 Hz, 3Ø

3 Slave Interconnect Kit

- 077011 Kit: H-401/601 Slave

4 Timer/Counter

- 073057 HT4X00 Cntr-Tmr

5 Timer/Counter Cable

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023789 | 10 Ft | <input type="checkbox"/> 123063 | 110 Ft |
| <input type="checkbox"/> 023790 | 25 Ft | <input type="checkbox"/> 123083 | 125 Ft |
| <input type="checkbox"/> 023791 | 50 Ft | <input type="checkbox"/> 023794 | 150 Ft |
| <input type="checkbox"/> 023792 | 75 Ft | <input type="checkbox"/> 123027 | 170 Ft |
| <input type="checkbox"/> 023793 | 100 Ft | | |

6 Torch Assembly / 14 ft Leads Package

- 028838 PAC620 Standard Torch Assy
- 028836 PAC620 Beveling Torch Assy

7 Torch Mounting Bracket

- 020046 Torch Mounting Bracket

8 Remote High Frequency Csl

- 077010 Rem. High Frequency Csl, HT4001

9A Leads Between PS (w/o Slave) and RHF Csl

- 028794 50 Ft
- 028795 75 Ft
- 028796 100 Ft
- 128065 110 Ft
- 028797 150 Ft
- 028798 200 Ft

9B Leads Between PS (w/ Slave) and RHF Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028799 | 50 Ft | <input type="checkbox"/> 028802 | 150 Ft |
| <input type="checkbox"/> 028800 | 75 Ft | <input type="checkbox"/> 128044 | 170 Ft |
| <input type="checkbox"/> 028801 | 100 Ft | <input type="checkbox"/> 028803 | 200 Ft |
| | 125 Ft | | |

10 Shielded Leads Between Torch and RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028508 | 10 Ft | <input type="checkbox"/> 028514 | 40 Ft |
| <input type="checkbox"/> 028509 | 15 Ft | <input type="checkbox"/> 028515 | 45 Ft |
| <input type="checkbox"/> 028510 | 20 Ft | <input type="checkbox"/> 028516 | 50 Ft |
| <input type="checkbox"/> 028511 | 25 Ft | <input type="checkbox"/> 028770 | 55 Ft |
| <input type="checkbox"/> 028512 | 30 Ft | <input type="checkbox"/> 028771 | 60 Ft |
| <input type="checkbox"/> 028513 | 35 Ft | | |

11 Gas Csl, HT4001

- 073216 Gas Csl, HT4001

12 Motor Valve Csl, HT4001

- 073214 Motor Valve Csl, HT4001

13 Leads Between Gas Csl and Motor Valve Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028667 | 15 Ft | <input type="checkbox"/> 028671 | 40 F |
| <input type="checkbox"/> 028668 | 20 Ft | <input type="checkbox"/> 028672 | 45 Ft |
| <input type="checkbox"/> 028646 | 25 Ft | <input type="checkbox"/> 028647 | 50 Ft |
| <input type="checkbox"/> 028669 | 30 Ft | <input type="checkbox"/> 028788 | 56 Ft |
| <input type="checkbox"/> 028670 | 35 Ft | <input type="checkbox"/> 028791 | 75 Ft |

14 Water Inj. Hose Between Gas Csl and RHF Csl

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

15 Water Inj. Hose Between Gas Csl and Torch

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

16 Cable Between Gas Csl and HT4001 PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023496 | 50 Ft | <input type="checkbox"/> 123031 | 170 Ft |
| <input type="checkbox"/> 023497 | 75 Ft | <input type="checkbox"/> 023500 | 200 Ft |
| <input type="checkbox"/> 023498 | 100 Ft | <input type="checkbox"/> 023812 | 250 Ft |
| <input type="checkbox"/> 123067 | 110 Ft | <input type="checkbox"/> 023819 | 300 Ft |
| <input type="checkbox"/> 123087 | 125 Ft | <input type="checkbox"/> 023576 | 350 Ft |
| <input type="checkbox"/> 023499 | 150 Ft | | |

17 V/C Control

- 077012 Control, Digital V/C (DR)
- 077013 Control, Programmable V/C (PR)
- 077020 Control, Remote Current (RCC)

18 Cable Between Dig. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023990 | 7 Ft | <input type="checkbox"/> 123188 | 120 Ft |
| <input type="checkbox"/> 023911 | 15 Ft | <input type="checkbox"/> 023882 | 125 Ft |
| <input type="checkbox"/> 023878 | 25 Ft | <input type="checkbox"/> 023883 | 150 Ft |
| <input type="checkbox"/> 023879 | 50 Ft | <input type="checkbox"/> 023884 | 200 Ft |
| <input type="checkbox"/> 123040 | 60 Ft | <input type="checkbox"/> 023885 | 250 Ft |
| <input type="checkbox"/> 023880 | 75 Ft | <input type="checkbox"/> 023886 | 275 Ft |
| <input type="checkbox"/> 123073 | 85 Ft | <input type="checkbox"/> 023887 | 300 Ft |
| <input type="checkbox"/> 023881 | 100 Ft | | |

19 Cables Between Program. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028831 | 15 Ft | <input type="checkbox"/> 028613 | 150 Ft |
| <input type="checkbox"/> 028609 | 25 Ft | <input type="checkbox"/> 028614 | 200 Ft |
| <input type="checkbox"/> 028610 | 50 Ft | <input type="checkbox"/> 028833 | 250 Ft |
| <input type="checkbox"/> 028611 | 75 Ft | <input type="checkbox"/> 028834 | 275 Ft |
| <input type="checkbox"/> 028612 | 100 Ft | <input type="checkbox"/> 028835 | 300 Ft |
| <input type="checkbox"/> 028832 | 125 Ft | | |

(20) Cable Between Current Remote (RCC) and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023150 | 10 Ft | <input type="checkbox"/> 123068 | 110 Ft |
| <input type="checkbox"/> 023871 | 25 Ft | <input type="checkbox"/> 123088 | 125 Ft |
| <input type="checkbox"/> 023872 | 38 Ft | <input type="checkbox"/> 023876 | 150 Ft |
| <input type="checkbox"/> 023873 | 50 Ft | <input type="checkbox"/> 123032 | 170 Ft |
| <input type="checkbox"/> 023874 | 75 Ft | <input type="checkbox"/> 023877 | 200 Ft |
| <input type="checkbox"/> 023875 | 100 Ft | | |

(21) I/O Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023892 | 25 Ft | <input type="checkbox"/> 123089 | 125 Ft |
| <input type="checkbox"/> 023893 | 50 Ft | <input type="checkbox"/> 023896 | 150 Ft |
| <input type="checkbox"/> 023894 | 75 Ft | <input type="checkbox"/> 123033 | 170 Ft |
| <input type="checkbox"/> 023895 | 100 Ft | <input type="checkbox"/> 023897 | 200 Ft |
| <input type="checkbox"/> 123069 | 110 Ft | | |

(22) V/C Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 023902 | 6 Ft | <input type="checkbox"/> 023855 | 75 Ft |
| <input type="checkbox"/> 023851 | 15 Ft | <input type="checkbox"/> 023856 | 100 Ft |
| <input type="checkbox"/> 023852 | 25 Ft | <input type="checkbox"/> 023903 | 125 Ft |
| <input type="checkbox"/> 023853 | 35 Ft | <input type="checkbox"/> 023857 | 150 Ft |
| <input type="checkbox"/> 023854 | 50 Ft | <input type="checkbox"/> 023858 | 200 Ft |

(23) Cable Between PS and Work Table (x2 w/Slave)

- | | |
|---------------------------------|-------|
| <input type="checkbox"/> 023382 | 15 Ft |
| <input type="checkbox"/> 023136 | 20 Ft |
| <input type="checkbox"/> 023078 | 25 Ft |
| <input type="checkbox"/> 023101 | 30 Ft |
| <input type="checkbox"/> 023135 | 40 Ft |
| <input type="checkbox"/> 023079 | 50 Ft |

(24) Water Chiller, 1-Torch

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> 039099 | Water Chiller, 200V, 600A, 1T |
| <input type="checkbox"/> 039116 | Water Chiller, 240V, 600A, 1T |
| <input type="checkbox"/> 039102 | Water Chiller, 380V, 600A, 1T |
| <input type="checkbox"/> 039101 | Water Chiller, 415V, 600A, 1T |
| <input type="checkbox"/> 039103 | Water Chiller, 440V, 600A, 1T |
| <input type="checkbox"/> 039098 | Water Chiller, 480V, 600A, 1T |
| <input type="checkbox"/> 039100 | Water Chiller, 575V, 600A, 1T |
| <input type="checkbox"/> 039111 | Water Chiller, 200V. 1000A, 1T |
| <input type="checkbox"/> 039118 | Water Chiller, 240V, 1000A, 1T |
| <input type="checkbox"/> 039114 | Water Chiller, 380V, 1000A, 1T |
| <input type="checkbox"/> 039113 | Water Chiller, 415V, 1000A, 1T |
| <input type="checkbox"/> 039115 | Water Chiller, 440V, 1000A, 1T |
| <input type="checkbox"/> 039110 | Water Chiller, 480V, 1000A, 1T |
| <input type="checkbox"/> 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|---------------------------------|-------------------------------|
| <input type="checkbox"/> 039105 | Water Chiller, 200V, 600A, 2T |
| <input type="checkbox"/> 039117 | Water Chiller, 240V, 600A, 2T |
| <input type="checkbox"/> 039108 | Water Chiller, 380V, 600A, 2T |
| <input type="checkbox"/> 039107 | Water Chiller, 415V, 600A, 2T |
| <input type="checkbox"/> 039109 | Water Chiller, 440V, 600A, 2T |
| <input type="checkbox"/> 039104 | Water Chiller, 480V, 600A, 2T |
| <input type="checkbox"/> 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 028760 | 3 Ft | <input type="checkbox"/> 128078 | 85 Ft |
| <input type="checkbox"/> 028860 | 7 Ft | <input type="checkbox"/> 028444 | 100 Ft |
| <input type="checkbox"/> 028652 | 10 Ft | <input type="checkbox"/> 028902 | 110 Ft |
| <input type="checkbox"/> 028440 | 15 Ft | <input type="checkbox"/> 028896 | 115 Ft |
| <input type="checkbox"/> 028653 | 20 Ft | <input type="checkbox"/> 128129 | 120 Ft |
| <input type="checkbox"/> 028441 | 25 Ft | <input type="checkbox"/> 028747 | 125 Ft |
| <input type="checkbox"/> 028442 | 50 Ft | <input type="checkbox"/> 028445 | 150 Ft |
| <input type="checkbox"/> 128052 | 60 Ft | <input type="checkbox"/> 128064 | 170 Ft |
| <input type="checkbox"/> 028443 | 75 Ft | <input type="checkbox"/> 028637 | 200 Ft |

(27) Hold Cable (2-Torch Systems)

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023340 | 15 Ft |
| <input type="checkbox"/> 023341 | 25 Ft |
| <input type="checkbox"/> 023342 | 50 Ft |
| <input type="checkbox"/> 023343 | 100 Ft |
| <input type="checkbox"/> 023344 | 150 Ft |

(28) Ind. Initial Height Sensing (IHS) System

- 028720 Inductive IHS

(28A) Inductive IHS Regulator, Air

- 011023 Regulator, Air

(28B) Ind. IHS Regulator Mounting Bracket

- 001160 Mounting Bracket, Air Regulator

(29) Inductive IHS Lead Set

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 028811 | 25 Ft |
| <input type="checkbox"/> 028812 | 50 Ft |
| <input type="checkbox"/> 028813 | 75 Ft |
| <input type="checkbox"/> 028814 | 100 Ft |
| <input type="checkbox"/> 028815 | 150 Ft |
| <input type="checkbox"/> 028816 | 200 Ft |

(30) Water Muffler Systems - with Hoses

- | | |
|---------------------------------|-----------------------------------|
| <input type="checkbox"/> 034126 | Water Muffler, w/ Hoses, 230/460V |
| <input type="checkbox"/> 034128 | Water Muffler, w/ Hoses, 380/415V |
| <input type="checkbox"/> 034130 | Water Muffler, w/ Hoses, 575V |

(30) Water Muffler Systems - without Hoses

- | | |
|---------------------------------|------------------------------------|
| <input type="checkbox"/> 034127 | Water Muffler, w/o Hoses, 230/460V |
| <input type="checkbox"/> 034129 | Water Muffler, w/o Hoses, 380-415V |
| <input type="checkbox"/> 034131 | Water Muffler, w/o Hoses, 575V |

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023905 | 25 Ft |
| <input type="checkbox"/> 023906 | 50 Ft |
| <input type="checkbox"/> 023907 | 75 Ft |
| <input type="checkbox"/> 023908 | 100 Ft |
| <input type="checkbox"/> 023909 | 150 Ft |
| <input type="checkbox"/> 023910 | 200 Ft |

(30B) Additional Length WM Cables - PS to WM Pump

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023866 | 50 Ft |
| <input type="checkbox"/> 023867 | 75 Ft |
| <input type="checkbox"/> 023868 | 100 Ft |

(30c) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in Ft.)

(31) Hose Between O2 Supply and Gas Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 024204 | 15 Ft | <input type="checkbox"/> 024450 | 115 Ft |
| <input type="checkbox"/> 024205 | 25 Ft | <input type="checkbox"/> 024516 | 120 Ft |
| <input type="checkbox"/> 024155 | 50 Ft | <input type="checkbox"/> 024490 | 125 Ft |
| <input type="checkbox"/> 024398 | 75 Ft | <input type="checkbox"/> 024159 | 150 Ft |
| <input type="checkbox"/> 024487 | 85 Ft | <input type="checkbox"/> 024470 | 180 Ft |
| <input type="checkbox"/> 024206 | 100 Ft | <input type="checkbox"/> 024333 | 200 Ft |
| <input type="checkbox"/> 024481 | 110 Ft | | |

(32) Hose Between N2 Supply and Gas Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 024505 | 6 Ft | <input type="checkbox"/> 024116 | 100 Ft |
| <input type="checkbox"/> 024210 | 10 Ft | <input type="checkbox"/> 024482 | 110 Ft |
| <input type="checkbox"/> 024203 | 15 Ft | <input type="checkbox"/> 024451 | 115 Ft |
| <input type="checkbox"/> 024232 | 20 Ft | <input type="checkbox"/> 024517 | 120 Ft |
| <input type="checkbox"/> 024134 | 25 Ft | <input type="checkbox"/> 024491 | 125 Ft |
| <input type="checkbox"/> 024211 | 35 Ft | <input type="checkbox"/> 024120 | 150 Ft |
| <input type="checkbox"/> 024112 | 50 Ft | <input type="checkbox"/> 024185 | 180 Ft |
| <input type="checkbox"/> 024148 | 75 Ft | <input type="checkbox"/> 024124 | 200 Ft |
| <input type="checkbox"/> 024488 | 85 Ft | | |

Spare Parts Kits

- | | |
|---------------------------------|---|
| <input type="checkbox"/> 028825 | PAC620 Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 028826 | PAC620 Spare Parts Kit - w/o Slave, Bevel |
| <input type="checkbox"/> 028827 | PAC620 Spare Parts Kit - w/ Slave, Standard |
| <input type="checkbox"/> 028828 | PAC620 Spare Parts Kit - w/ Slave, Bevel |
| <input type="checkbox"/> 128130 | PAC620 CE Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 128131 | PAC620 CE Spare Parts Kit - w/ Slave, Standard |

Distributor Information:**HYPERTHERM**
HT4001 Order Form**Customer Information:****1 HT4001 Power Supply**

No. for Optional Voltage
(see pg. 1-6 of Product Manual)

- 077002 PS, 200/220V, 50-60 Hz, w/THC
- 077003 PS, 380/400/415V, 50-60 Hz, w/THC
- 077022 PS, 400V, CE, 50-60 Hz, w/THC
- 077004 PS, 240/480V, 60 Hz, w/THC
- 077005 PS, 575/600V, 60 Hz, w/THC
- 077031 PS, 440/480V, 50 Hz, w/THC
- 077016 PS, 200/220V, 50-60 Hz, w/o THC
- 077017 PS, 380/400/415V, 50-60 Hz, w/o THC
- 077023 PS, 400V, CE, 50-60 Hz, w/o THC
- 077018 PS, 240/480V, 60 Hz, w/o THC
- 077019 PS, 575/600V, 60 Hz, w/o THC
- 077030 PS, 440/480V, 50 Hz, w/o THC

2 H401 Slave Power Supply

- 036038 H401 SPS, 200V, 50 Hz, 3Ø
- 036036 H401 SPS, 400V, 50 Hz, 3Ø
- 036035 H401 SPS, 480V, 60 Hz, 3Ø
- 036037 H401 SPS, 600V, 60 Hz, 3Ø

3 Slave Interconnect Kit

- 077011 Kit: H-401/601 Slave

4 Timer/Counter

- 073057 HT4X00 Cntr-Tmr

5 Timer/Counter Cable

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023789 | 10 Ft | <input type="checkbox"/> 123063 | 110 Ft |
| <input type="checkbox"/> 023790 | 25 Ft | <input type="checkbox"/> 123083 | 125 Ft |
| <input type="checkbox"/> 023791 | 50 Ft | <input type="checkbox"/> 023794 | 150 Ft |
| <input type="checkbox"/> 023792 | 75 Ft | <input type="checkbox"/> 123027 | 170 Ft |
| <input type="checkbox"/> 023793 | 100 Ft | | |

6 Torch Assembly / 14 ft Leads Package

- 028838 PAC620 Standard Torch Assy
- 028836 PAC620 Beveling Torch Assy

7 Torch Mounting Bracket

- 020046 Torch Mounting Bracket

8 Remote High Frequency Csl

- 077010 Rem. High Frequency Csl, HT4001

9A Leads Between PS (w/o Slave) and RHF Csl

- 028794 50 Ft
- 028795 75 Ft
- 028796 100 Ft
- 128065 110 Ft
- 028797 150 Ft
- 028798 200 Ft

9B Leads Between PS (w/ Slave) and RHF Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028799 | 50 Ft | <input type="checkbox"/> 028802 | 150 Ft |
| <input type="checkbox"/> 028800 | 75 Ft | <input type="checkbox"/> 128044 | 170 Ft |
| <input type="checkbox"/> 028801 | 100 Ft | <input type="checkbox"/> 028803 | 200 Ft |
| | 125 Ft | | |

10 Shielded Leads Between Torch and RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028508 | 10 Ft | <input type="checkbox"/> 028514 | 40 Ft |
| <input type="checkbox"/> 028509 | 15 Ft | <input type="checkbox"/> 028515 | 45 Ft |
| <input type="checkbox"/> 028510 | 20 Ft | <input type="checkbox"/> 028516 | 50 Ft |
| <input type="checkbox"/> 028511 | 25 Ft | <input type="checkbox"/> 028770 | 55 Ft |
| <input type="checkbox"/> 028512 | 30 Ft | <input type="checkbox"/> 028771 | 60 Ft |
| <input type="checkbox"/> 028513 | 35 Ft | | |

11 Gas Csl, HT4001

- 073216 Gas Csl, HT4001

12 Motor Valve Csl, HT4001

- 073214 Motor Valve Csl, HT4001

13 Leads Between Gas Csl and Motor Valve Csl

- | | | | |
|---------------------------------|-------|---------------------------------|-------|
| <input type="checkbox"/> 028667 | 15 Ft | <input type="checkbox"/> 028671 | 40 F |
| <input type="checkbox"/> 028668 | 20 Ft | <input type="checkbox"/> 028672 | 45 Ft |
| <input type="checkbox"/> 028646 | 25 Ft | <input type="checkbox"/> 028647 | 50 Ft |
| <input type="checkbox"/> 028669 | 30 Ft | <input type="checkbox"/> 028788 | 56 Ft |
| <input type="checkbox"/> 028670 | 35 Ft | <input type="checkbox"/> 028791 | 75 Ft |

14 Water Inj. Hose Between Gas Csl and RHF Csl

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

15 Water Inj. Hose Between Gas Csl and Torch

- | | | | |
|---------------------------------|---------|---------------------------------|--------|
| <input type="checkbox"/> 024335 | 26 in | <input type="checkbox"/> 024036 | 35 Ft |
| <input type="checkbox"/> 024315 | 5 Ft | <input type="checkbox"/> 024037 | 40 Ft |
| <input type="checkbox"/> 024046 | 6 Ft | <input type="checkbox"/> 024208 | 45 Ft |
| <input type="checkbox"/> 024032 | 10 Ft | <input type="checkbox"/> 024258 | 50 Ft |
| <input type="checkbox"/> 024261 | 11.5 Ft | <input type="checkbox"/> 024179 | 53 Ft |
| <input type="checkbox"/> 024130 | 12 Ft | <input type="checkbox"/> 024489 | 56 Ft |
| <input type="checkbox"/> 024132 | 14 Ft | <input type="checkbox"/> 024128 | 60 Ft |
| <input type="checkbox"/> 024033 | 15 Ft | <input type="checkbox"/> 024441 | 61 Ft |
| <input type="checkbox"/> 024018 | 20 Ft | <input type="checkbox"/> 024469 | 62 Ft |
| <input type="checkbox"/> 024034 | 25 Ft | <input type="checkbox"/> 024345 | 75 Ft |
| <input type="checkbox"/> 024035 | 30 Ft | <input type="checkbox"/> 024346 | 100 Ft |

16 Cable Between Gas Csl and HT4001 PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023496 | 50 Ft | <input type="checkbox"/> 123031 | 170 Ft |
| <input type="checkbox"/> 023497 | 75 Ft | <input type="checkbox"/> 023500 | 200 Ft |
| <input type="checkbox"/> 023498 | 100 Ft | <input type="checkbox"/> 023812 | 250 Ft |
| <input type="checkbox"/> 123067 | 110 Ft | <input type="checkbox"/> 023819 | 300 Ft |
| <input type="checkbox"/> 123087 | 125 Ft | <input type="checkbox"/> 023576 | 350 Ft |
| <input type="checkbox"/> 023499 | 150 Ft | | |

17 V/C Control

- 077012 Control, Digital V/C (DR)
- 077013 Control, Programmable V/C (PR)
- 077020 Control, Remote Current (RCC)

18 Cable Between Dig. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023990 | 7 Ft | <input type="checkbox"/> 123188 | 120 Ft |
| <input type="checkbox"/> 023911 | 15 Ft | <input type="checkbox"/> 023882 | 125 Ft |
| <input type="checkbox"/> 023878 | 25 Ft | <input type="checkbox"/> 023883 | 150 Ft |
| <input type="checkbox"/> 023879 | 50 Ft | <input type="checkbox"/> 023884 | 200 Ft |
| <input type="checkbox"/> 123040 | 60 Ft | <input type="checkbox"/> 023885 | 250 Ft |
| <input type="checkbox"/> 023880 | 75 Ft | <input type="checkbox"/> 023886 | 275 Ft |
| <input type="checkbox"/> 123073 | 85 Ft | <input type="checkbox"/> 023887 | 300 Ft |
| <input type="checkbox"/> 023881 | 100 Ft | | |

19 Cables Between Program. Remote and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 028831 | 15 Ft | <input type="checkbox"/> 028613 | 150 Ft |
| <input type="checkbox"/> 028609 | 25 Ft | <input type="checkbox"/> 028614 | 200 Ft |
| <input type="checkbox"/> 028610 | 50 Ft | <input type="checkbox"/> 028833 | 250 Ft |
| <input type="checkbox"/> 028611 | 75 Ft | <input type="checkbox"/> 028834 | 275 Ft |
| <input type="checkbox"/> 028612 | 100 Ft | <input type="checkbox"/> 028835 | 300 Ft |
| <input type="checkbox"/> 028832 | 125 Ft | | |

(20) Cable Between Current Remote (RCC) and PS

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023150 | 10 Ft | <input type="checkbox"/> 123068 | 110 Ft |
| <input type="checkbox"/> 023871 | 25 Ft | <input type="checkbox"/> 123088 | 125 Ft |
| <input type="checkbox"/> 023872 | 38 Ft | <input type="checkbox"/> 023876 | 150 Ft |
| <input type="checkbox"/> 023873 | 50 Ft | <input type="checkbox"/> 123032 | 170 Ft |
| <input type="checkbox"/> 023874 | 75 Ft | <input type="checkbox"/> 023877 | 200 Ft |
| <input type="checkbox"/> 023875 | 100 Ft | | |

(21) I/O Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 023892 | 25 Ft | <input type="checkbox"/> 123089 | 125 Ft |
| <input type="checkbox"/> 023893 | 50 Ft | <input type="checkbox"/> 023896 | 150 Ft |
| <input type="checkbox"/> 023894 | 75 Ft | <input type="checkbox"/> 123033 | 170 Ft |
| <input type="checkbox"/> 023895 | 100 Ft | <input type="checkbox"/> 023897 | 200 Ft |
| <input type="checkbox"/> 123069 | 110 Ft | | |

(22) V/C Cable Between PS and Mach. Comp.

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 023902 | 6 Ft | <input type="checkbox"/> 023855 | 75 Ft |
| <input type="checkbox"/> 023851 | 15 Ft | <input type="checkbox"/> 023856 | 100 Ft |
| <input type="checkbox"/> 023852 | 25 Ft | <input type="checkbox"/> 023903 | 125 Ft |
| <input type="checkbox"/> 023853 | 35 Ft | <input type="checkbox"/> 023857 | 150 Ft |
| <input type="checkbox"/> 023854 | 50 Ft | <input type="checkbox"/> 023858 | 200 Ft |

(23) Cable Between PS and Work Table (x2 w/Slave)

- | | |
|---------------------------------|-------|
| <input type="checkbox"/> 023382 | 15 Ft |
| <input type="checkbox"/> 023136 | 20 Ft |
| <input type="checkbox"/> 023078 | 25 Ft |
| <input type="checkbox"/> 023101 | 30 Ft |
| <input type="checkbox"/> 023135 | 40 Ft |
| <input type="checkbox"/> 023079 | 50 Ft |

(24) Water Chiller, 1-Torch

- | | |
|---------------------------------|--------------------------------|
| <input type="checkbox"/> 039099 | Water Chiller, 200V, 600A, 1T |
| <input type="checkbox"/> 039116 | Water Chiller, 240V, 600A, 1T |
| <input type="checkbox"/> 039102 | Water Chiller, 380V, 600A, 1T |
| <input type="checkbox"/> 039101 | Water Chiller, 415V, 600A, 1T |
| <input type="checkbox"/> 039103 | Water Chiller, 440V, 600A, 1T |
| <input type="checkbox"/> 039098 | Water Chiller, 480V, 600A, 1T |
| <input type="checkbox"/> 039100 | Water Chiller, 575V, 600A, 1T |
| <input type="checkbox"/> 039111 | Water Chiller, 200V. 1000A, 1T |
| <input type="checkbox"/> 039118 | Water Chiller, 240V, 1000A, 1T |
| <input type="checkbox"/> 039114 | Water Chiller, 380V, 1000A, 1T |
| <input type="checkbox"/> 039113 | Water Chiller, 415V, 1000A, 1T |
| <input type="checkbox"/> 039115 | Water Chiller, 440V, 1000A, 1T |
| <input type="checkbox"/> 039110 | Water Chiller, 480V, 1000A, 1T |
| <input type="checkbox"/> 039112 | Water Chiller, 575V, 1000A, 1T |

(25) Water Chiller, 2-Torch, 600 Amp

- | | |
|---------------------------------|-------------------------------|
| <input type="checkbox"/> 039105 | Water Chiller, 200V, 600A, 2T |
| <input type="checkbox"/> 039117 | Water Chiller, 240V, 600A, 2T |
| <input type="checkbox"/> 039108 | Water Chiller, 380V, 600A, 2T |
| <input type="checkbox"/> 039107 | Water Chiller, 415V, 600A, 2T |
| <input type="checkbox"/> 039109 | Water Chiller, 440V, 600A, 2T |
| <input type="checkbox"/> 039104 | Water Chiller, 480V, 600A, 2T |
| <input type="checkbox"/> 039106 | Water Chiller, 575V, 600A, 2T |

(26) Cooling Hose Set-Water Chiller to RHF Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 028760 | 3 Ft | <input type="checkbox"/> 128078 | 85 Ft |
| <input type="checkbox"/> 028860 | 7 Ft | <input type="checkbox"/> 028444 | 100 Ft |
| <input type="checkbox"/> 028652 | 10 Ft | <input type="checkbox"/> 028902 | 110 Ft |
| <input type="checkbox"/> 028440 | 15 Ft | <input type="checkbox"/> 028896 | 115 Ft |
| <input type="checkbox"/> 028653 | 20 Ft | <input type="checkbox"/> 128129 | 120 Ft |
| <input type="checkbox"/> 028441 | 25 Ft | <input type="checkbox"/> 028747 | 125 Ft |
| <input type="checkbox"/> 028442 | 50 Ft | <input type="checkbox"/> 028445 | 150 Ft |
| <input type="checkbox"/> 128052 | 60 Ft | <input type="checkbox"/> 128064 | 170 Ft |
| <input type="checkbox"/> 028443 | 75 Ft | <input type="checkbox"/> 028637 | 200 Ft |

(27) Hold Cable (2-Torch Systems)

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023340 | 15 Ft |
| <input type="checkbox"/> 023341 | 25 Ft |
| <input type="checkbox"/> 023342 | 50 Ft |
| <input type="checkbox"/> 023343 | 100 Ft |
| <input type="checkbox"/> 023344 | 150 Ft |

(28) Ind. Initial Height Sensing (IHS) System

- 028720 Inductive IHS

(28A) Inductive IHS Regulator, Air

- 011023 Regulator, Air

(28B) Ind. IHS Regulator Mounting Bracket

- 001160 Mounting Bracket, Air Regulator

(29) Inductive IHS Lead Set

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 028811 | 25 Ft |
| <input type="checkbox"/> 028812 | 50 Ft |
| <input type="checkbox"/> 028813 | 75 Ft |
| <input type="checkbox"/> 028814 | 100 Ft |
| <input type="checkbox"/> 028815 | 150 Ft |
| <input type="checkbox"/> 028816 | 200 Ft |

(30) Water Muffler Systems - with Hoses

- | | |
|---------------------------------|-----------------------------------|
| <input type="checkbox"/> 034126 | Water Muffler, w/ Hoses, 230/460V |
| <input type="checkbox"/> 034128 | Water Muffler, w/ Hoses, 380/415V |
| <input type="checkbox"/> 034130 | Water Muffler, w/ Hoses, 575V |

(30) Water Muffler Systems - without Hoses

- | | |
|---------------------------------|------------------------------------|
| <input type="checkbox"/> 034127 | Water Muffler, w/o Hoses, 230/460V |
| <input type="checkbox"/> 034129 | Water Muffler, w/o Hoses, 380-415V |
| <input type="checkbox"/> 034131 | Water Muffler, w/o Hoses, 575V |

(30A) Additional Length WM Cables - PS to Air Cntrl

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023905 | 25 Ft |
| <input type="checkbox"/> 023906 | 50 Ft |
| <input type="checkbox"/> 023907 | 75 Ft |
| <input type="checkbox"/> 023908 | 100 Ft |
| <input type="checkbox"/> 023909 | 150 Ft |
| <input type="checkbox"/> 023910 | 200 Ft |

(30B) Additional Length WM Cables - PS to WM Pump

- | | |
|---------------------------------|--------|
| <input type="checkbox"/> 023866 | 50 Ft |
| <input type="checkbox"/> 023867 | 75 Ft |
| <input type="checkbox"/> 023868 | 100 Ft |

(30c) Additional Length WM Hose, Specify Length (Ft)

- 034051 Add'l Length W-M Hose (Qty in Ft.)

(31) Hose Between O2 Supply and Gas Csl

- | | | | |
|---------------------------------|--------|---------------------------------|--------|
| <input type="checkbox"/> 024204 | 15 Ft | <input type="checkbox"/> 024450 | 115 Ft |
| <input type="checkbox"/> 024205 | 25 Ft | <input type="checkbox"/> 024516 | 120 Ft |
| <input type="checkbox"/> 024155 | 50 Ft | <input type="checkbox"/> 024490 | 125 Ft |
| <input type="checkbox"/> 024398 | 75 Ft | <input type="checkbox"/> 024159 | 150 Ft |
| <input type="checkbox"/> 024487 | 85 Ft | <input type="checkbox"/> 024470 | 180 Ft |
| <input type="checkbox"/> 024206 | 100 Ft | <input type="checkbox"/> 024333 | 200 Ft |
| <input type="checkbox"/> 024481 | 110 Ft | | |

(32) Hose Between N2 Supply and Gas Csl

- | | | | |
|---------------------------------|-------|---------------------------------|--------|
| <input type="checkbox"/> 024505 | 6 Ft | <input type="checkbox"/> 024116 | 100 Ft |
| <input type="checkbox"/> 024210 | 10 Ft | <input type="checkbox"/> 024482 | 110 Ft |
| <input type="checkbox"/> 024203 | 15 Ft | <input type="checkbox"/> 024451 | 115 Ft |
| <input type="checkbox"/> 024232 | 20 Ft | <input type="checkbox"/> 024517 | 120 Ft |
| <input type="checkbox"/> 024134 | 25 Ft | <input type="checkbox"/> 024491 | 125 Ft |
| <input type="checkbox"/> 024211 | 35 Ft | <input type="checkbox"/> 024120 | 150 Ft |
| <input type="checkbox"/> 024112 | 50 Ft | <input type="checkbox"/> 024185 | 180 Ft |
| <input type="checkbox"/> 024148 | 75 Ft | <input type="checkbox"/> 024124 | 200 Ft |
| <input type="checkbox"/> 024488 | 85 Ft | | |

Spare Parts Kits

- | | |
|---------------------------------|---|
| <input type="checkbox"/> 028825 | PAC620 Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 028826 | PAC620 Spare Parts Kit - w/o Slave, Bevel |
| <input type="checkbox"/> 028827 | PAC620 Spare Parts Kit - w/ Slave, Standard |
| <input type="checkbox"/> 028828 | PAC620 Spare Parts Kit - w/ Slave, Bevel |
| <input type="checkbox"/> 128130 | PAC620 CE Spare Parts Kit - w/o Slave, Standard |
| <input type="checkbox"/> 128131 | PAC620 CE Spare Parts Kit - w/ Slave, Standard |