

# Blown Ion Quick Start Guide

See included diagrams and manuals for additional information and installation guidelines.

## 1 Plasma Treater Cabinet

Table top enclosure designed to be positioned on a shelf or table, allow space for cooling.

## 2 Head Mounting

Mount treater heads in desired location.  
(Mounting brackets available through Enercon)  
Heads should be hooded, vented and guarded.

## 3 Air & Cable Connections

Connect compressed air to air inlet on back of unit.

**COMPRESSED AIR 70-90 PSI**

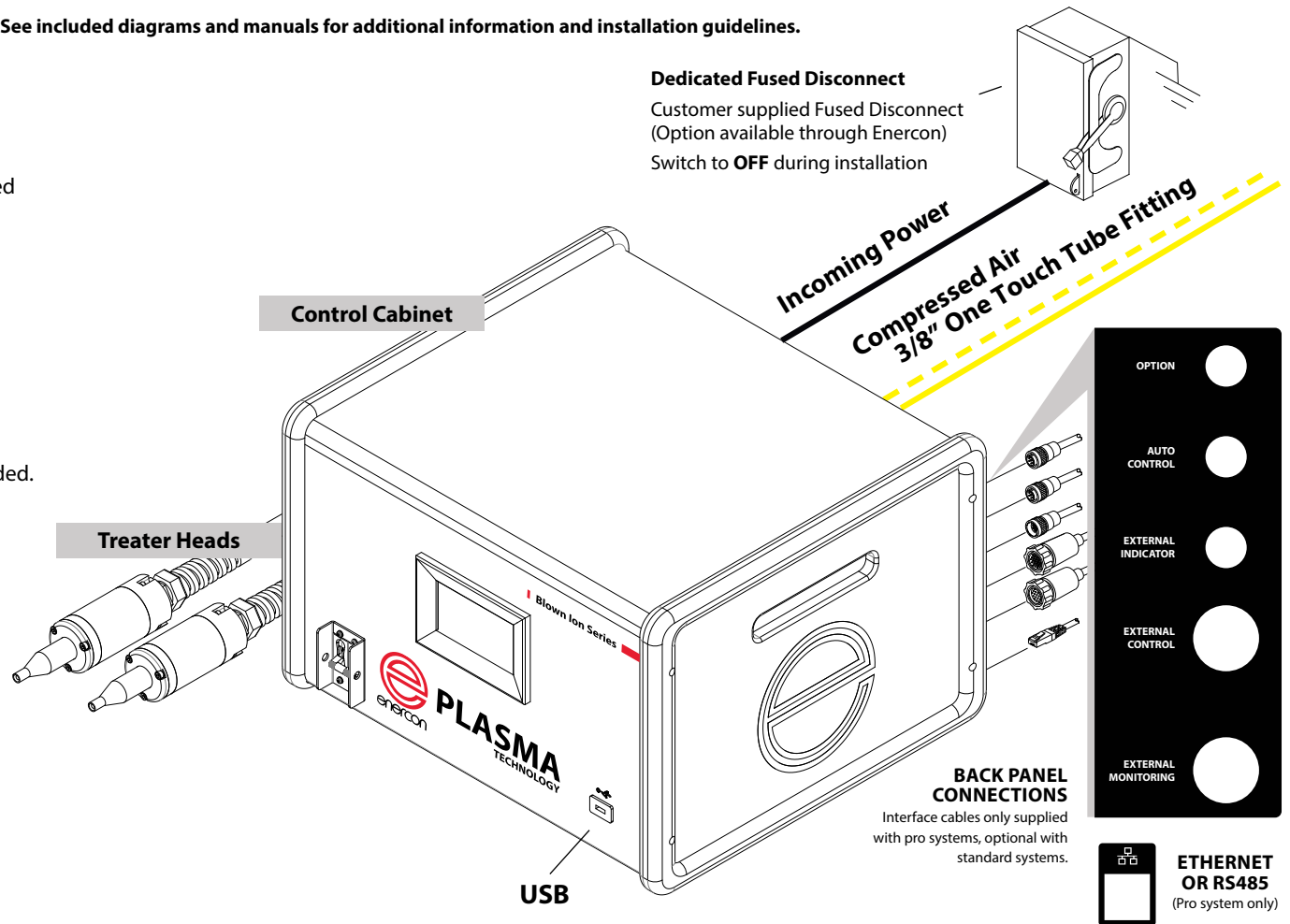
## 4 Incoming Power

Connect power to fused disconnect.  
120v, 208v, 240v (plug not supplied)

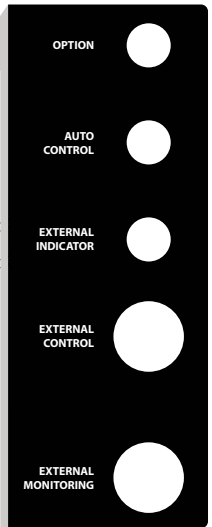
Operate in a maximum ambient temperature of 40°C (104°F) @ 80% relative humidity, non-condensing.

### Dedicated Fused Disconnect

Customer supplied Fused Disconnect  
(Option available through Enercon)  
Switch to **OFF** during installation



**BACK PANEL CONNECTIONS**  
Interface cables only supplied with pro systems, optional with standard systems.



**ETHERNET OR RS485**  
(Pro system only)

	Width	Height	Depth	Weight	Voltage
<b>SINGLE HEAD CABINET</b>	20"	13"	18.5"	60 lbs.	120v, 7 Amps 208, 240v, 3.5 Amps
<b>DUAL HEAD CABINET</b>	20"	13"	18.5"	70 lbs.	120v, 14 Amps 208, 240v, 7 Amps

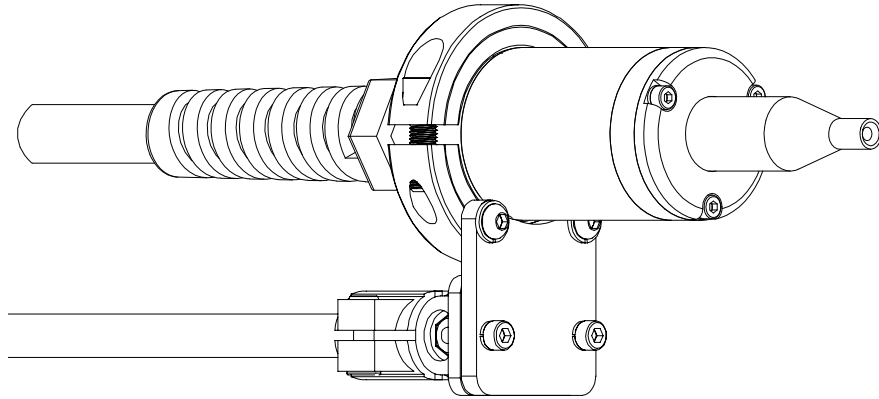


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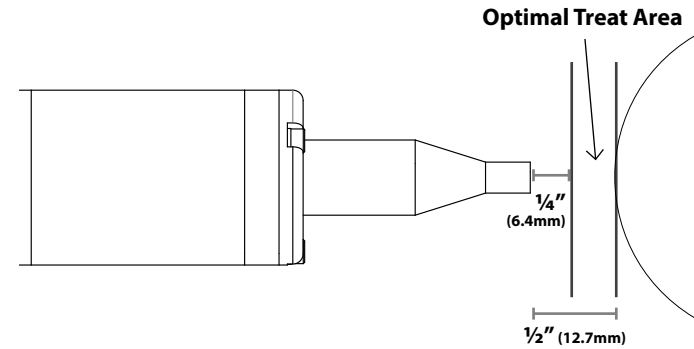
## Head Mounting

The discharge head should be securely mounted to the production line by means of a sturdy clamp and post style mounting system.



## Treatment Distance

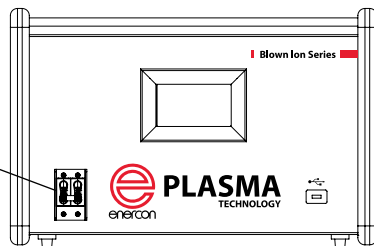
The gap between the front surface of the discharge head and the product surface is dependent upon the application, but the recommended gap range is 1/4" (6.4mm) to 1/2" (12.7mm).



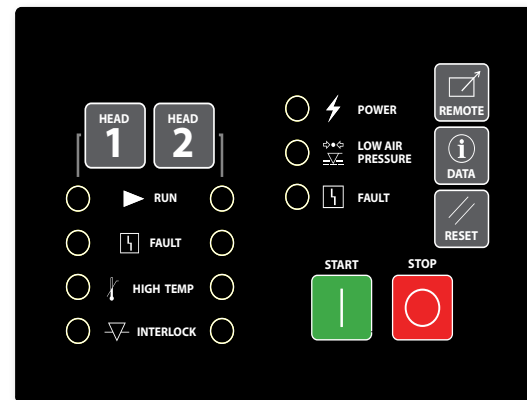
## Blown Ion Operation

### Power On

1 Switch breaker to ON



## Standard Interface Operation



- 1 LED's illuminate once interlocks are satisfied.
- 2 Select head 1, head 2 or both depending on your line combination. When line is up to speed press START, plasma discharge will begin. Run LED lights up when plasma is generated.
- 3 Press STOP to stop the plasma discharge.



## Blown Ion Quick Start Guide

# Blown Ion Pro Series Touchscreen Operation

## Independent Head Operation



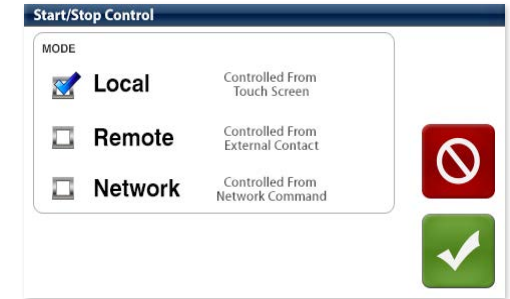
- 1 By default, heads are disabled, press the disabled button to enable head.
- 2 Once enabled press the start button to start the plasma discharge.
- 3 Press the stop button to stop the plasma discharge

## Linking Heads - Both heads operate simultaneously



- 1 Press the unlinked icon between head one and two.
- 2 An alternate way is by pressing SETTINGS > INTERLOCKS and selecting "Head Control Linked".

## Touchscreen Operation Settings



- 1 Set operation mode - Local, Remote or Network
- 2 Press to enable the selected mode and return to the Settings screen, or press to return to the Settings screen without making any changes.

## Blown Ion Help Menu

- 1 Press Data > to access Help Menu.



- 2 Review and select from list.

## Preventative Maintenance

When operated under normal conditions, the Blown Ion Pro Series Surface Treater will require little or no service at all. It is important, however, that the discharge heads are frequently checked to assure that they are free from any dust or dirt build-up. Any accumulation of dirt within the nozzle can cause arcing and subsequent damage to the assembly.

## Blown Ion Series Support

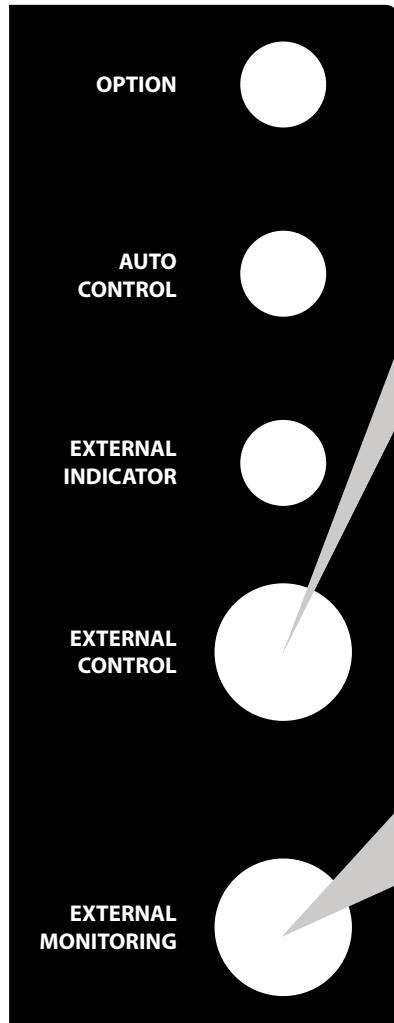
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# Interface Connections

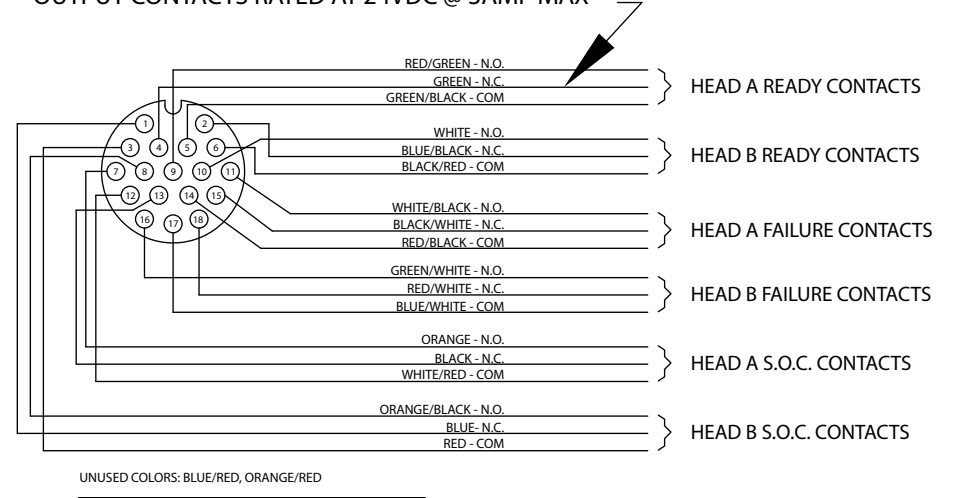
Included on pro models and optional with standard models.



**DETAIL "A"**  
CUSTOMER INTERFACE CABLE CONNECTIONS  
(SHOWN FROM REAR OF CONN)

**DETAIL "B"**  
CUSTOMER INTERFACE CABLE CONNECTIONS  
(SHOWN FROM REAR OF CONN)

## OUTPUT CONTACTS RATED AT 24VDC @ 3AMP MAX



## CUSTOMER SUPPLIED DRY CONTACTS

