PERFECT FLAME™

SINGLE AND MULTI-TORCH DESIGNS



KEY FEATURES

Braze like a Pro with the new Perfect Flame[®]. Its patented design allows the use of pre-saved flame settings when and where you need them. This smart technology ensures quality and consistency through your entire process.

Featuring built-in software that sets and monitors an engineered flame.

The Perfect Flame's game-changing software captures each operator's "torch on time" and flame settings. This information is available on a custom dashboard which allows your engineering and quality teams to analyze this information for the first time.

The Perfect Flame™ is ideally used to:

- » Analyze Data to find the perfect flame for your specific operation
- » Define the Flame to identify your production needs
- » Measure the Energy to understand the exact BTU or KCAL of your flame
- » Improve Efficiency make adjustments to the flame for each application
- » Control Security Lock settings for consistent performance from operator to operator

Input » 80 - 240V AC 50/60Hz Gases Supported » Natural Gas/Methane, Propane/LPG,Propylene, Butane, Acetylene, and Hydrogen





KEY FEATURES CONTINUED

CONTROL TECHNOLOGY

- » LCD Touchscreen control
- Built-in, Wifi -based telemetry system and data acquisition via a remote server (connection to a Wifi network required)
- Customized alerts and notifications via email and SMS
- Secure login to protect settings
- Hands Free Foot pedal operator control
- Gases supported:
 - Natural Gas/Methane, Propane/LPG, Propylene, Butane, Acetylene, and Hydrogen
- Thermal mass based Mass Flow Controller (MFC)
- Control based on flow of gas in CFH or LPM

FIRMWARE

- » Flame settings are stored on the local machine memory
- Secure login to protect settings
- Ability to save different settings unique to each job being performed
- Collects and stores data from several parameters
- Wi-Fi relays data to custom dashboard for review and analysis

TORCH

- Tamper proof non adjustable
- Torch off/on with harris gas block or

FLEXIBLE INSTALLATION

Wall mount, table top or pedestal mount

MONITOR TRACK AND CONTROL



Now that the Perfect Flame® has given you full control over the flame settings, our new firmware technology, ViziBraze™, gives management the ability to track the

"torch on time" for each individual operator. Imagine setting a standard brazing time for any braze connection and being able to ensure that your operators are following procedure. With multiple Perfect Flames in operation, you can monitor, track, and control operating factor for one operator, one shift, one line, one facility, or over your entire organiztion. With this information, you can see where quality and consistency can be improved, waste can be cut, time can be saved, and profits can be grown.

Perfect Flame® data is stored and secured in the cloud, and is accessible to you from any place, at any time. Usage data is owned by you and and never shared outside the organization









RECOMMENDED ACCESSORIES

PEDESTAL

The Perfect Flame 2 pedestal is used to provide free-standing support for both the single torch (ST) and multi-torch (MT) model torch systems. The water-resistant, black powder-coated epoxy finish over metal, is rust resistant and durable for longer service life. It measures 30.57" (776.55mm) H x 19.79" (502.59mm) W x 19.79" D (502.59mm). It is shipped partially assembled.

Order 4301947

SINGLE VS. MULTI-TORCH MODELS

Single-Torch Model ST

The single-torch configuration allows the brazer to toggle between five different settings to quickly and seamlessly switch between different preset flames for different braze connections. Hands-free technology allows users to switch between flames via foot pedal, selecting up to 5 preset flames from a library of up to 100. This configuration is perfect for the brazing operator who has multiple different braze joints per job and needs to quickly adjust the flame settings.

Multi-Torch Model MT

This configuration is best suited for high production operations where individual operators are brazing the same or different joints. Three operators can be using the same or different flames, each controlled by one Model MT unit.

DATA SUBSCRIPTION

Ensure you have access to the updated software and service to access the full functionality of the Perfect Flame. Your subscription gains you access to the multiple features and data collection needed to better control your process for your application.

INCLUDES:

- » Full Functionality Mode
- » Customer Flame Setting Options
- » Up to 25 Custom Job Setups
- » Up to 5 Preset Flames per Job
- » ViziBraze Date

| Part Number | Description | | | | | |
|-------------|--------------------------|--|--|--|--|--|
| 9504662 | SERVICE,PF2-ST/MT ANNUAL | | | | | |

PRODUCT INFORMATION

| Model No. | Part Number | Gas Service | Max. Output Flows SCFH | Min. Inlet Pressure | Max. Inlet Pressure | Inlet Connection | Outlet Connection | Input Power Voltage/Phase/ Hertz | Input Current | Temperature Operating Range F (C) | Dimensions H x W x L in (mm) | Weight lbs.(kg) |
|-----------------------|----------------|---|------------------------------|------------------------|---------------------------|---|--|--|------------------|---|---------------------------------------|--------------------|
| PF2ST Single torch | 4301948 | Natural Gas/ Methane, Propane/ | 1200 (02, N20, CO2) | 100 PSI | 3000 PSI | 9/16-18 B fi ttings Chrome-plated | 9/16-18 B fittings Chrome-plated | 80-240 /1 /50/60 | 1.5A | 0° to 140° (-17° to 60°) | 29 x 15.6 x 16.8 (736 x 396 x 427) | 68 lbs. (30.8) |
| PF2MT Multi torch | 4301949 | LPG,Propylene, Butane, Acetylene, and Hydrogen | 2000 (N2/Air) | | | brass | brass | | | | | |

CUSTOMER ASSISTANCE POLICY

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