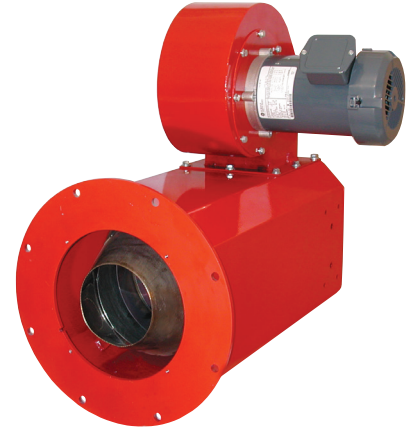


Capacity Range:
170,000 BTU/hr to 3.3 MM BTU/hr



Pyronics™ TF Package Burner

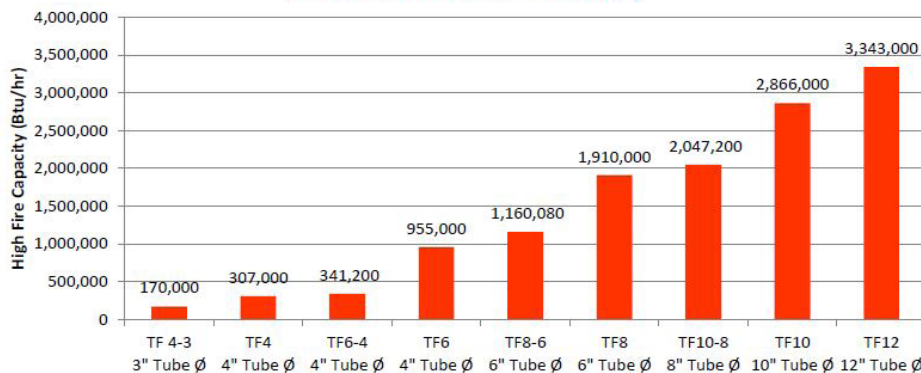
Custom Packages Provide Superior Performance

Pyronics TF Packaged Immersion Tube Burners are pre-packaged burner systems designed to fire into immersion tubes for liquid heating and produce high fire thermal inputs from 170,600 to 3.3 MM Btu/hr. TF burners are manufactured for tube diameters of 3" to 12", and can accommodate length to diameter ratios of up to 80:1.

Wide Range of Air Heating Applications, One Burner

Customizable packages offer compact, pre-piped, pre-wired, prepackaged burners ready to fire in industrial applications. For applications that require higher thermal inputs or smaller bore tube applications, a TFR package burner may be better suited. Gas trains are approved for use in North America, consult factory for configurations for operation in other countries.

TF Burner Capacities (Btu/hr)



Applications:

- Parts Cleaning
- Quench Tanks
- Acid Bath Heaters
- Salt Bath Heaters
- Vaporizers
- Spray Washers
- Water Heating
- Bottle Washers
- Storage Tanks
- Produce Washing
- Plating Solutions
- Liquid Tank Heating



Diverse Combustion Technologies. One Reliable Source.

Typical Burner Packages Include:

- Basic burner assembly includes burner, spark ignitor, flame rod, and peep sight.
- Integral combustion air blower fitted with 50 Hz or 60 Hz TEFC blower motor.
- Fuel control provided by a control motor and threaded butterfly valve offers two control options: fixed air – high/low gas, and fixed air – gas only modulation.
- Gas train includes automatic shut-off valves, air and gas pressure switches, and proof of closure, meeting the requirements of NFPA 86 & CSA for operation in North America.
- Mounted, pre-wired NEMA 12 control panel with external display Includes on-off switch, reset button, and burner run and flame failure indication lights.
- Configurations for operation in other countries are available, consult the factory.

Add-on Options

- Ultra-Violet scanner
- Temperature controller
- High temperature limit
- Main gas regulator
- Remote terminal control panel

Split Combustion Cone for Ultimate Thermal Output

To prevent over heating of the burner components and immersion tubes during high fire, the burner is designed with a split combustion cone head where air is introduced into the flame at three points to provide cooling and proper heat exchange.

Features	Benefits
Small capacity models and limiting orifice configurations are available	Cost-effective solutions for processes with less heat Improved turndown flexibility with interchangeable orifices
Flame sensor and spark plug can be removed without removing burner casing	Reduced maintenance time and effort
100% tested before leaving the factory	Ensures reliable start-up



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