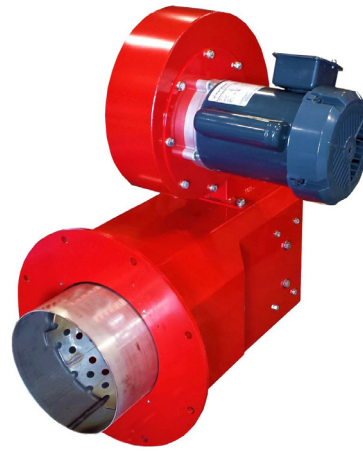


Capacity Range:
170,000 BTU/hr to 3.3 MM BTU/hr



TF Package Burner

The TF package burner is designed to fire immersion tubes for liquid heating applications with a tube diameter of 3" to 12" (77 to 305mm). Packages can produce high fire thermal inputs up to 170,600 to 3.3 MM BTU/hr using natural gas or propane. Powerful medium-velocity flames scrub the tube surface to achieve thermal efficiencies of 70% to 75%. This burner is available in small-capacity models, which is cost effective for processes requiring less heat. The TF burner series can be configured in many forms to include fuel-air ratio control, fuel trains, and control panels.

Burner Package Includes:

- Basic burner assembly includes:
 - > Burner
 - > Spark Ignitor
 - > Flame Rod
 - > Peep Sight
- Integral combustion air blower fitted with TEFC blower motor, 50Hz or 60Hz
- Control motor and threaded butterfly valve offer two (2) control options for fuel control:
 - > Fixed air – high/low
 - > Gas and fixed air – gas only modulation
- Gas train with:
 - > Automatic shut-off valves
 - > Pressure switches & regulators
 - > Meeting the requirements of NFPA 86 & CSA for operations in North America
 - > Configurations for operation in other countries are available; consult factory
- Mounted, pre-wired NEMA 12 control panel with external display includes:
 - > On-off switch
 - > Reset button
 - > Burner run and flame failure indication lights

Applications

- Parts cleaning
- Quench tanks
- Acid bath heaters
- Salt bath heaters
- Vaporizers
- Spray washers
- Water heating
- Storage tanks
- Plating solutions



SCAN FOR MORE INFORMATION



Diverse Combustion Technologies. One Reliable Source.

Thermal Output

- TF burner has a reducing combustion cone head to keep the burner components and immersion tubes from overheating. The flame enters the immersion tube at a reduced diameter to reduce radiation and heat in the mounting / tube interface area.

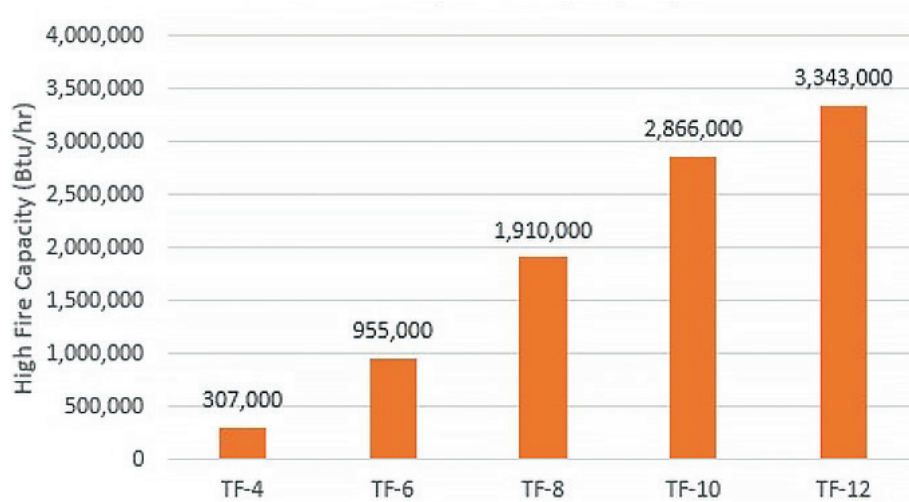
Wide Range of Applications, One Burner

- TF burner has a reducing combustion cone head to keep the burner components and immersion tubes from overheating. The flame enters the immersion tube at a reduced diameter to reduce radiation and heat in the mounting / tube interface area.

Add-On Options

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

TF Burner Capacities (Btu/hr)



Features

Wide capacity range with moderate tube heat flux rate and many configurations available for flexible control

Flame sensor and spark plug can be removed without removing burner casing

100% tested before leaving the factory

Benefits

Accommodates a wide range of immersion heating applications especially those with temperature sensitive solutions.

Reduced maintenance time and effort

Ensures reliable start-up

