

TF and TFR Burner Advantages

- Pre-packaged, pre-piped complete assembly
- The TFR burner series has been designed with a small “footprint” allowing mounting in applications where other burners may not fit.
- FM and IRI gas trains available
- TF burners are intended for applications with “conventional” sized firing tubes with diameters up to 12" and length to diameter ratios up to 80:1 depending on tube diameter.
- TF burner nominal thermal capacities range from 170,000 to 3,300,000 Btu/hr.
- TFR burners are specifically designed to maximize the heat release in small diameter tubes 2-1/2" through 8" and length to diameter ratios up to 150:1.
- TFR burner nominal thermal capacities range from 240,000 to 2,600,000 Btu/hr.
- Depending on immersion tube selection, TF and TFR burner applications can produce thermal efficiencies of over 80%.
- To prevent overheating of the TFR burner components and immersion tubes at high firing rates, the burner has been designed with a split combustion cone head where air is introduced into the flame at three points to provide cooling.
- The firing tube is cooled so it will not discolor or blister paint including the surrounding area and mounting flange of equipment.
- Meets NFPA standards including double solenoid pilots on the pilot gas line.
- Supplied for operation on natural gas or propane. Can be supplied to operate with other gas types.
- Complete pre-wired flame safeguard.
- The electrical enclosure and all internal components are either UL Listed or UL Recognized.
- Each burner can be optionally fit with complete diagnostic equipment for instant identification of any problem for minimum downtime.
- Easy to install and maintain.
- Air filters are available for dirty environments.
- TEFC Motor (standard) and ODP motors are available.
- Pre-built burner packages are fully tested and the operation of all components are checked before shipment.
- Can be supplied without gas train components.

TF/TFR Packaged Burner Applications

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