



TF & TFR BURNER

The TF & TFR series of packaged gas burners have been specifically designed for the firing of immersion tubes installed in liquid tanks.

TF and TFR burners are blown units, this means that there is no requirement for a suction exhaust fan on the tube. This enables simple installation and low maintenance. The unit is simple and safe to operate. All burners are pre-fired and fully tested before leaving our works.

The TF burner utilises Comtherm PC nozzle mix burner heads and is intended for application to conventional sized tubes with diameters up to 300mm and length to diameter ratios up to 60:1.

The TFR burner head has been specially developed for small bore applications and is available for firing into immersion tubes with diameters up to 200mm and length to diameter ratios up to 140:1.

The TFR burner uses split combustion cone heads where air is introduced into the flame at three points and provides cooling for the combustion tubes.

All Comtherm burners are designed with ease of maintenance a top priority. All parts can be removed without unbolting the unit from the mounting flange. The rear panel on the burner can be removed which allows easy access to the gas nozzle, spark electrode and flame sensor.

Typical Applications

- Anodising Lines
- Quench Tanks
- Spray Tanks
- Chem Coat
- Dip Tanks
- Fryers
- Vats

Duties

The TF burner is available in sizes from 50kW to 1000kW and available in on-off and high/low versions. The TFR burner is available in sizes from 50kW to 750kW and available in on-off and high/low versions.

Efficiency

Depending on tube layout, efficiency in excess of 80% can be achieved.

Gas Supply Pressure

The units can operate on gas pressures as low as 20mbar but higher pressures can be accommodated.

Fuels

Suitable for operation on Natural gas or LPG.



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