NEG Oxy-fuel Combustion(NOFC™) Technology



- Combustion system made by glass manufacturer -



NEG was the pioneer company in Japan to successfully introduce oxygencombustion technology (NOFC™:NEG Oxy-Fuel Combustion) to glass melting furnaces. By utilizing NOFC™ technology, which has been accumulated through more than 30 years of experience, NEG contributes to the reduction of fuel consumption and CO2 emissions.

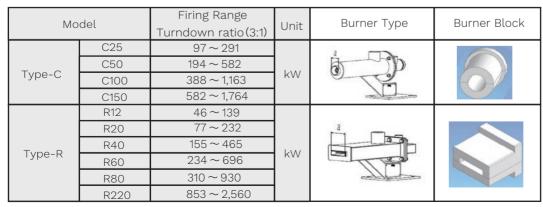
Benefits of Oxy-Fuel Combustion

- Improved Combustion Efficiency :Reduces fuel consumption approximately 50%, (reduction of 50% fuel CO2).
- Increased Flame Temperature :Increases flame temperature by approximately 800K, ensuring efficient combustion.
- Reduced Exhaust Gas Emissions :Reduces exhaust gas emissions by up to 50%, reducing environmental impact.
- Reduced Nitrogen Oxides (NOx) Emissions: Reduces NOx emissions significantly.

Features and Benefits of NOFC™ Burners

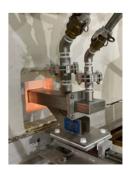
- High luminosity and high flame radiation
- Easy to maintain
- Wide range lineup: 50kW 2500kW
- Wide turndown ratio (3:1)
- Improved heat distribution with wide flame (Type-R)
- Good flame stability (Type-C)

Burner Lineup





Type-C



Type-R

