

NMC SERIES DUAL FUEL BURNERS



Designed and built locally by Honeywell India team, the NMC Dual Fuel Burner is an offering for Dual Fuel applications across verticals like Metal Heat Treatment, Food & Beverages, Ceramics, and Auto Ancillaries that provides a maintenance free, long lasting product for customers who prefer to interchange the fuel mix between Oil and Gas.

Description

NMC series of Dual Fuel Burners enables customer to run operations with best fuel economics, flame stability, steady output due to impressive turndown ratio and maintenance free operations. NMC burner can be fired in both vertical and horizontal positions leading to optimum use of available space. NMC burners backed up by years of experience of Honeywell Thermal Solutions ensures one stop solution for heating requirements for a variety of industries

This program delivers a burner to:

- Existing and new customers who are looking to optimize operations cost by keeping flexibility between fuels
- Customers who expect gas penetration in near future but want to continue with oil (#2) as a fuel

Key applications

- Metals (heat treating, re-heating, continuous furnaces)
- Steel Rolling Mills
- F&B - Indirect heating
- Rotary Kilns for chemical / special material mixing

How it works

This proven technology of Nozzle mixing leads to high turbulence, high turndown and eliminates possibility of Flash Back. Flame diameter of 10" and length of 3.5ft creates an effective flame envelope. Burner comes pre-installed with Oil Micro ratio valve ensures stable air fuel ratio and uniform operation; valve can either be operated manually OR automated. Pre-heated air (up to 425-degree C) ensures high operational efficiency. These burners can be fired using Natural Gas / LPG and #2 Oil and are available in three sizes to cover a wide range of required capacity.

Key features and benefits

Key Customer Benefits	What Honeywell Delivers
Better cost economics	Can easily switch between Oil and Gas as per fuel costs
Maintenance Free Design	No moving parts hence less maintenance
Precise and Unrestricted Oil Flow Control	No Oil clogging due to self-cleaning action of Hauck's Micro Oil Valve
Operation Continuity	Easy switch between various fuels (Oil and Gas)
Long life	Due to high quality castings for body parts, sturdy Nozzle Design and superior material for Burner Block
Stable Operations	High Turndown: <ul style="list-style-type: none"> • 8:1 on Gas @ pre-heat temp of 200° C • 7:1 on Gas @ pre-heat temp of 425° C • 4:1 on Oil
High Quality Output	Stable flame and Output temperature
High Efficiency and Fuel Saving	Pre-heated air up to 425° C
Wide application range	3 sizes – Max heat output of 275KW,525KW,1100KW
One stop-shop	Honeywell offers customized solutions for various industries with its own burners, gas train components, burner management system and service team

NMC SERIES burners to meet your needs

- The Burner can fire in any position and can be installed through the roof, base or side walls
- No moving parts – requires very little maintenance
- Can be controlled automatically or manually through ratio regulator or control v/v respectively
- Good flame stability over the firing range
- Back loaded pilot regulator system for taking care the varying chamber pressure condition which ensures consistent system ignition every time