

# PG575 Series Gas Burner



## PG575 Gas Burner features:

- Available configured for Natural Gas, LPG or Biogas - other gases on request
- Applications include steam and high pressure hot water boilers, as well as more diverse processes such as rotary dryers
- Separate floor-mounted combustion air fan unit
- Fully modulating operation as standard
- Microprocessor based Autoflame burner management (Siemens LMV5 or TEC options) with servo motor fuel/air ratio management for up to 7:1 turndown
- Integrated PID control for accurate response to demand
- Optional Extras:
  - Exhaust gas analysis for passive monitoring of emissions
  - Oxygen trim for improved emissions control
  - Variable speed drive combustion fan for improved electrical efficiency
  - Air inlet silencer (<85 dBA)
  - Simple sliding high / low control (Siemens LFL1)
  - Separate or integrated water level controls for steam boiler
  - Data Transfer interface
  - Low NOx head design (<80mg/kWh)\*
- Optional air and gas handling configurations available to suit appliance
- All kW ratings are net CV

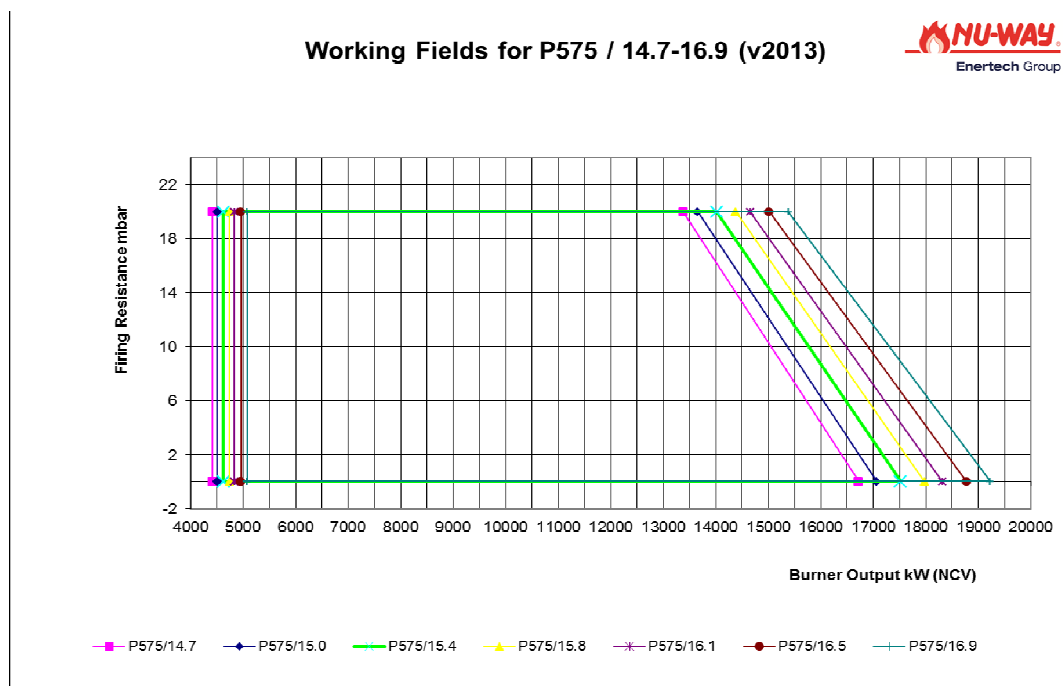


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| Model PG                     |         | 575/14.7                | 575/15.0                | 575/15.4                | 575/15.8                | 575/16.1                | 575/16.5                | 575/16.9                |
|------------------------------|---------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Output (nett CV)             | MW      | 13.2                    | 13.5                    | 13.9                    | 14.2                    | 14.5                    | 14.9                    | 15.2                    |
| Fan Size                     | kW      | 45                      | 45                      | 45                      | 45                      | 45                      | 45                      | 45                      |
| Electrical Supply            | V/Hz    | 400/50                  | 400/50                  | 400/50                  | 400/50                  | 400/50                  | 400/50                  | 400/50                  |
| Gas train inlet conn.        |         | PN16 DN125              | PN16 DN125              | PN16 DN150              | PN16 DN150              | PN16 DN150              | PN16 DN150              | PN16 DN150              |
| Gas train size               |         | 5"                      | 5"                      | 6"                      | 6"                      | 6"                      | 6"                      | 6"                      |
| Gas inlet pressure (min/max) | mbar    | 140/300                 | 140/300                 | 140/300                 | 140/300                 | 140/300                 | 140/300                 | 140/300                 |
| Operation                    |         | Fully Modulating        | Fully Modulating        | Fully Modulating        | Fully Modulating        | Fully Modulating        | Fully Modulating        | Fully Modulating        |
| Control Unit                 |         | Autoflame Mini Mk8      | Autoflame Mini Mk8      | Autoflame Mini Mk8      | Autoflame Mini Mk8      | Autoflame Mini Mk8      | Autoflame Mini Mk8      | Autoflame Mini Mk8      |
| Turndown                     | min/max | up to 7:1               | up to 7:1               | up to 7:1               | up to 7:1               | up to 7:1               | up to 7:1               | up to 7:1               |
| Flame Monitor                |         | UV Sensor               | UV Sensor               | UV Sensor               | UV Sensor               | UV Sensor               | UV Sensor               | UV Sensor               |
| Flame tube lengths           | mm      | 430/610                 | 430/610                 | 430/610                 | 430/610                 | 430/610                 | 430/610                 | 430/610                 |
| Noise                        | dBA     | 92<br><85 with silencer | 92<br><85 with silencer | 92<br><85 with silencer | 92<br><85 with silencer | 92<br><85 with silencer | 92<br><85 with silencer | 92<br><85 with silencer |
| NOx                          | mg/kWh  | 140-190*                | 140-190*                | 140-190*                | 140-190*                | 140-190*                | 140-190*                | 140-190*                |
| CO                           | mg/kWh  | <100                    | <100                    | <100                    | <100                    | <100                    | <100                    | <100                    |

Information for standard design and subject to change.

\* Low NOx head design <80mg/kWh subject to suitable combustion chamber design.



#### BURNER DESIGNATION

PGN575/14.7 LN MM3NA 610  
 P = Burner Series  
 G = Gas  
 N = Natural Gas, T = Towns Gas  
 575 = Casing Size  
 14.7 = Maximum Output MW (GCV)  
 LN = Low NOx head design  
 MM = Micro Modulation Control  
 3 = 3 Phase Electrical Supply  
 N = No Control Junction Box on Burner  
 A = Autoflame Burner Programmer, L = Siemens LMV5  
 610 = 610mm Flame Tube Projection

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