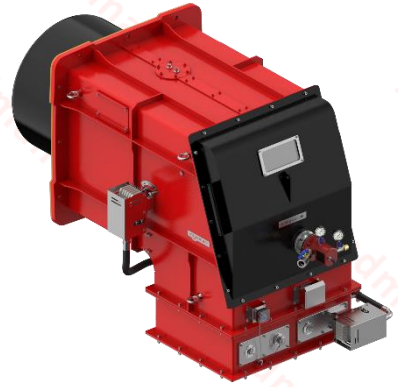


RGB-M-4550-DB, Electronic Modulating Gas Burner (Dual block configuration)

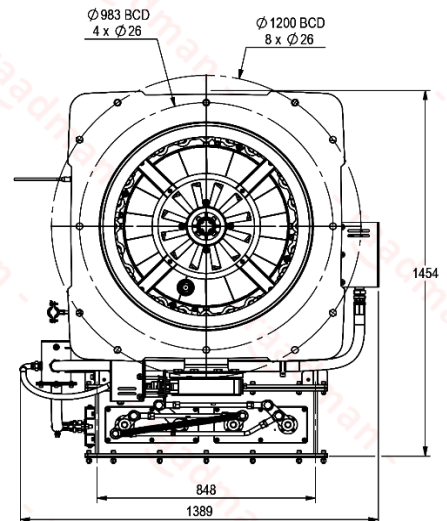
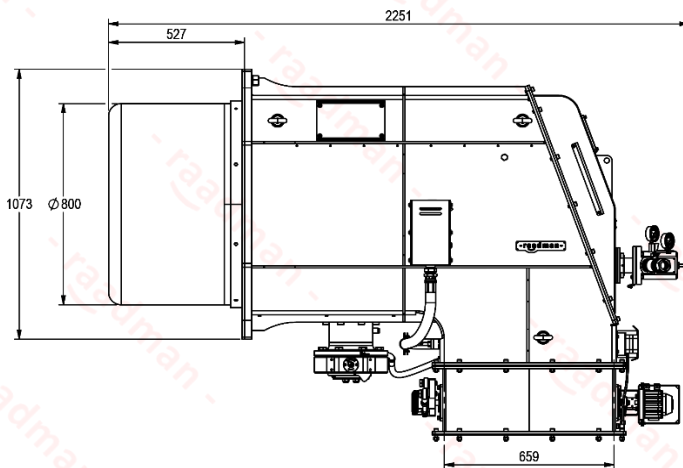
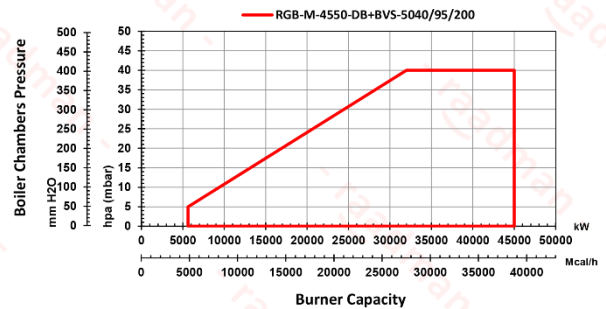
Specifications

- Electronic modulating burner with capacity of 5630-45000 kW on gas side (563-4500 Nm³/h for G20), and turn down ratio of 1:8
- Compatible with all types of combustion chambers according to EN-303 or BS-EN 12953 standards.
- Suitable for water tube boilers.
- The burner includes: mechanical components, burner head, flame tube, Raadman ignition system (RIS) cooling system, ignition devices, air pressure switches, Ignition transformers, valves and all necessary safety devices in the gaseous fuel lines.
- Burner controller: AUTOFLAME MK8 or depends on the policy of the manufacturer based on the market availability or the customer's order.
- The controller includes: main controller (PID controller), user interface, air pressure sensor, gas pressure sensor, flame scanner and actuators.
- Burner ventilation system with 50400 m³/h capacity and 95 millibar supply pressure.
- The RIS by 500kW power and 212cm length
- The BVS includes: Fan motor, mechanical components, and sound proofing material for further reduction in sound level.
- The RMS includes: Inverter, fan, Emergency switch, Compact switch MCCB and electrical components for power system.
- The gas train includes: filter, high pressure regulator, multi block solenoid valve, pressure gauges, maximum pressure switch, minimum and leak test pressure switch, pilot regulator, pilot valves, butterfly valve, (All according to BS-EN 676).
- The recommended gas train is offered in below type:
 - DN150 Multi-block high-pressure gas train (inlet pressure of 3.5-4 bar).
- Advantages: optimal design, high modulating ratio, valve proving system, communication with external systems via Bus, exhaust gas analysis (EGA) and data transfer interface (DTI), rail system for ergonomic servicing of the mixing assembly, Installation in different directions ease of installation and maintenance.
- Optional ability: running with FGR (Flue Gas Recirculation) in order to further reduction in NO_x level, running with O₂ and CO sensors (plus CO₂, NO, NO₂, and SO₂ sensors with AUTOFLAME controller), LPG fuel compatibility with LPG nozzle kits.



More information

- BVS motor: 200 kW, 3 Phase, 380-400 Volt, 50 Hz, 1500 rpm
 - Operating ambient temperature: 5-60°C
 - Maximum combustion air temperature: 60°C
 - Casing insulation class: IP43
 - Combustion block weight: 950kg ±1%
 - Combustion block Packing dimensions (L x W x H): ~2470 x 1900 x 1790 mm
- Reference conditions: Ambient temperature 20°C - Gas temperature 15°C - Barometric pressure 1013 mbar - Altitude 0 m (According to BS-EN 676)



- Suggested boiler flange diameter = 815 mm

Certifications

- Certified in EAEU countries standard No. 0378484.
- Certified in Iran national standard ISIRI-7595 (BS-EN 676).



Scan to access:
 Technical proposal
 Technical data
 Technical consultation
 Cad model (only for VIP customers)

