- Hot gas generation through combustion chamber for constant pressure and temperature.
- Wide range and various application for turbocharger.
- Fast data acquisition with RT(Real Time) Controller.
- Available Manual Test/Full automatic test with requirements.
- Precise measuring with coriolis mass flow meter.
- Possibility of special test - high pressure in low temperature.
- Compact oil / water control cart.
- Optimization performance test & thermal shok test and data acquisition & analysis with latest developed LabVIEW program.
- Possibility of customized gas stand system.
- Low NOx with 2 stage burning system.
**OVERVIEW**

**Main device cabinet**
- RT/Real Time Controller
- Data acquisition
- TC Actuator Control
- Compressor Discharge
- Valve Control
- Burner Control
- Oil Control
- Cooling Water Control

**Manual operate desk**
1. Compress Discharge Valve
2. Burner Power (Temp Set Value)
3. Mixing Air Valve (Turbo Speed)

- Burner system
  - Temperature sensor
  - Pressure sensor
  - Flow sensor
- Oil system
  - Temperature sensor
  - Pressure sensor
  - Flow sensor
- Cooling Water system
  - Temperature sensor
  - Pressure sensor
- Pressure Sensor (Installed in cabinet)
  - Turbine Inlet
  - Burner Air

**Host Computer**
- Installed Software
  - LabVIEW Software
  - OPC Software

**Installed Software**
- LabVIEW Software
- OPC Software

**Measurement Pipe**
- Measurement Pipe
- Boom box

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>JGS-25</th>
<th>JGS-35</th>
<th>JGS-50</th>
<th>JGS-75</th>
<th>JGS-100</th>
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<tbody>
<tr>
<td>Hot Gas Mass Flow Rate (kg/sec)</td>
<td>Design</td>
<td>0.25</td>
<td>0.35</td>
<td>0.5</td>
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<td>Normal</td>
<td>0.175</td>
<td>0.245</td>
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<td>Minimum</td>
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<td>0.012</td>
<td>0.017</td>
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<td>Design</td>
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<td>360</td>
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<tr>
<td>Normal</td>
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<td>420</td>
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<td>Minimum</td>
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<td>7.5</td>
<td>9</td>
<td>13.5</td>
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<td>Combustion Method</td>
<td>2 stage Low NOx</td>
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<tr>
<td>Compressed Air Pressure</td>
<td>600 kPa G (up to 800 kPa G) at burner inlet</td>
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<tr>
<td>Fuel Gas Pressure</td>
<td>700 kPa G (up to 800 kPa G) at burner inlet</td>
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<td>Hot Gas Temperature</td>
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<td>Combustion Method</td>
<td>2 stage Low NOx</td>
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<td>Control Software</td>
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<td>Water Press/Temp/Flow Control</td>
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<td>Available Single / Double Selection</td>
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The descriptions and specifications are subject to change without notice.