IKEUCHI, with over 30 years of experience in gas-cooling nozzles, has developed a new model of hydraulic high-pressure return nozzle in our SBP series:

**GSPB series with large flow of 10t/hr!**

- **Min. spray capacity**
  - Supply pressure: 3.5MPa
  - Spray capacity: 1t/hr (16.7L/min)
  - Spray angle: 130°

- **Max. spray capacity**
  - Supply pressure: 3.5MPa
  - Spray capacity: 10t/hr (167L/min)
  - Spray angle: 90°

Turndown ratio of 1:10 with minimal variation in spray droplet size

Ideal for gas cooling!

“**The Fog Engineers**”

H. IKEUCHI & CO., LTD.
Specifications

<table>
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<tr>
<th>Thread size Series</th>
<th>Nozzle code</th>
<th>Spray capacity (L/min) at supply pressure 3.5MPa and Return pressure at 0.7MPa</th>
<th>Spray angle (degrees) at supply pressure 3.5MPa and Return pressure at 0.7MPa</th>
<th>Free passage diameter (mm)</th>
<th>Sauter mean droplet diameter (μm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;1/2F GSPB</td>
<td>35°90/167</td>
<td>167 128 32.3 16.7 90 99 130 5.7 132~151</td>
<td></td>
<td></td>
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</table>

* Sauter mean droplet diameter measured by phase Doppler particle analyzer

Spray performance

[Flow rate diagram]

Spray dimensions

\[ h = \text{Reaching height} \]

\[ d = \text{Largest spread width} \]

Spray tip: Tungsten carbide
Other parts: S316L, S304, S440C
Protector: S316
(In our material code, "S" represents "stainless steel")

Nozzle dimensions
Please inquire with us for the total length (L2) and the length between the nozzle head and flange (L1).

Structure, Dimensions and Materials

Materials
- Spray tip: Tungsten carbide
- Other parts: S316L, S304, S440C
- Protector: S316
(In our material code, "S" represents "stainless steel")

Nozzle dimensions
Please inquire with us for the total length (L2) and the length between the nozzle head and flange (L1).

How to inquire/order

Please specify the total length (L2), the length between the nozzle head and flange (L1) and the flange size.