The SILBERMANN jet scavenging (AGSS) inlet is designed for safe removal of surplus anesthetic gas and explosive gas mixtures from the operating theater.

The SILBERMANN jet scavenging inlet is designed to meet the latest and most rigid NFPA99 requirements and the European EN737 standard.

The gas scavenging inlet uses compressed air which creates suction and propels the contaminated air to the outside atmosphere. When not in use, compressed air (4 bars) enters the assembly and stops at the main valve.

When in use and the probe is connected to the inlet, allowing the compressed air to flow into the injector assembly and then out through the exhaust line. At this time a green pneumatic indicator is activated.

The vacuum created by the injector absorbs the contaminated gas through the outlet and propels it through the exhaust line (see also the technical diagram). When the probe is disconnected, the main valve shuts off the unit automatically. When there is a shut-off switch (optional), it shuts the unit off even when the probe is connected. An adjusting valve permits the adjustment of vacuum and air flow.
How to order SILBERMANN's Gas Scavenging Inlet:

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<tr>
<th>Scavenging Inlet Assembly</th>
<th>Drager Type</th>
<th>EN737-4 Type</th>
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<td>Exposed Box W/Switch</td>
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<td>Panel Mounted</td>
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<td>Hose Assembly</td>
<td>2282100</td>
<td>2282200</td>
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Construction:
- Box: Extruded Aluminum profile.
- Front Panel: Aluminum.
- Injector – Brass.

Dimensions:
- Inlet pipe diameter: 3/8"
- Exhaust pipe diameter: 7/8" nominal 30 cm long.
- Entire assembly(Exposed): 220 mm (length) 140 mm (height) 70 mm (depth)
- Inlet: vacuum 20 mm quick connector Female
- Air supply pressure: 3.5-5 bars
- Air supply flow: 40 LPM
- Free air suction capacity: Adjustable 35 up to 70 LPM
- Vacuum strength: Adjustable 20-50 cm H2O

Technical Data

Assembly Components:
- User Scavenging outlet vacuum with 20 mm quick connect
- Main valve.
- Injector assembly.
- Compressed air inlet pipe.
- Exhaust gas pipe.
- Flexible hose + Probe (Optional).
- Vacuum adjusting valve.
- Shut-off Switch (Optional).
- Pneumatic green indicator
Flexible hose assembly (P/N2282100) consists of:

1. 20 mm quick connect male adaptor.
2. 4.9 m long, 23 mm diameter flexible hose:

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<td>1</td>
<td>Probe</td>
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<tr>
<td>2</td>
<td>Hose 4.9 meter long</td>
<td>6200355</td>
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<td>3</td>
<td>Back adapter</td>
<td>3170600</td>
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**Operation instructions**

1. **How to use unit without shut off switch:**
   1.1. Insert the probe of the hose assembly into its inlet. The locking mechanism will lock the probe into the inlet. Now the unit is activated, and the green indicator in ON.
   1.2. Connect back of hose to anesthetic apparatus.

2. **How to use unit with shut off switch:**
   Turn shut off switch to “ON” position. Repeat as in step 1 above.

3. **How to release hose:**
   3.1. Pull the release ring on the male adapter, this will release the locking mechanism.
   3.2. Release the adapter out of the outlet.

   **Note**
   The green indicator is now turned off and the inlet unit is deactivated.

   If the unit is equipped with shut off switch, the unit can be shut off either by turning shut off switch to “OFF” position or by releasing the adapter as in steps 3.1 and 3.2.

   **Warning**
   Leaving the evacuation inlet activated will place a heavy strain on the compressors.