Package Type Foam
Fire Extinguishing System

MIDEX II
Low to Medium Expansion Foam Fire Extinguishing System

Suitable to prevent fires of production machinery incidents and flammable liquids in production facilities

A high-performance and easy-to-use, self-contained foam fire extinguishing system

- **Effective and fast-acting**
  The medium-expansion foam with powerful extinguishing agents and the low-expansion foam with longer discharge range can be switched easily by hand for optimum performance and efficacy.

- **Easy to use for a single person**
  The lightweight rubber hose with internal winding mechanism allows a single person to pull the hose in any direction easily.

- **No need for plumbing or electrical works**
  The package type MIDEX II does not require plumbing, electrical works, water supply, or external pumps. The compact and lightweight cabinet can be placed exactly where needed, and its double doors allow easy access with minimal clearance.
**Condition during firefighting**
Dischargeable more than 3,000 liters of medium-expansion foam.

**Condition after fire extinguished**
The foam residue has slight impact on surrounding environment and is easy to clean up.

Fires of industrial machinery and equipment are best treated with medium-expansion foam of the MIDEX III, which is able to reach inaccessible areas such as behind screens or at the rear of the machine by flowing over the top and down the sides.

**Suitable applications**
Anywhere that flammable liquids or materials are used.

- Metalworking and machining equipment, cutters, hydraulic equipment such as presses, oil cellars, painting equipment
- Oil feed systems
- Various testing equipment
- Vehicle maintenance workshops
- Printing facilities
- Small-scale hazardous material storage facilities
- Small-scale rubbish pits

**Specifications**

<table>
<thead>
<tr>
<th>Product code</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRFJ001</td>
<td>Outdoor fire extinguishing system</td>
</tr>
<tr>
<td>Operating environment</td>
<td>Indoor</td>
</tr>
<tr>
<td>Drive system</td>
<td>Manual</td>
</tr>
<tr>
<td>Working pressure (pressure regulator setting)</td>
<td>0.94 MPa</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>0°C – 40°C</td>
</tr>
<tr>
<td>Enclosure material</td>
<td>SECC</td>
</tr>
<tr>
<td>Dimensions</td>
<td>700 mm (W) x 250 mm (D) x 1,400 mm (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 130 kg</td>
</tr>
<tr>
<td>Color</td>
<td>Ivory (JPMA code E22-90D)</td>
</tr>
<tr>
<td>Classification</td>
<td>Aqueous foam fire extinguishing agent</td>
</tr>
<tr>
<td>Foam type</td>
<td>Aqueous film forming foam</td>
</tr>
<tr>
<td>Tank capacity</td>
<td>53 L (26.5 L x 2 tanks)</td>
</tr>
<tr>
<td>Gas type</td>
<td>Nitrogen</td>
</tr>
<tr>
<td>No. of cylinder</td>
<td>One</td>
</tr>
<tr>
<td>Capacity</td>
<td>3.4 L (3.0 L for India market)</td>
</tr>
<tr>
<td>Hose</td>
<td>Winding mechanism</td>
</tr>
<tr>
<td>Length</td>
<td>Internal winder</td>
</tr>
<tr>
<td>Nozzle</td>
<td>Toggles between low and medium expansion foam</td>
</tr>
<tr>
<td>Foam switcher</td>
<td>At least 70 seconds (at 20°C)</td>
</tr>
<tr>
<td>Discharge time</td>
<td>Low-expansion foam (at 20°C)</td>
</tr>
<tr>
<td>Discharge distance (approx.)</td>
<td>5 m for medium-expansion foam (at 20°C)</td>
</tr>
<tr>
<td>Expansion ratio</td>
<td>Medium expansion: at least 60 times (at 20°C)</td>
</tr>
</tbody>
</table>

Note: Foam works only on areas where it can reach.

**NOTE:**
- The information contained herein does not purport to cover all the details or variations of the equipment described, nor to provide for every possible contingency that may be met in connection with its installation, operation, or maintenance.
- Specifications are subject to change without notice. Contact NOHMI before relying on the information.
- Actual performance is based on proper application of the product by a qualified professional.
- Should further information be required or should particular concerns arise that are not covered sufficiently for the purchaser’s purposes, the matter should be referred to NOHMI or your nearest distributor.

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**Low to Medium Expansion Foam Fire Extinguishing System**

**Specifications**

- **Operating environment:** Indoor
- **Drive system:** Manual
- **Working pressure (pressure regulator setting):** 0.94 MPa
- **Operating temperature range:** 0°C – 40°C
- **Enclosure material:** SECC
- **Dimensions:** 700 mm (W) x 250 mm (D) x 1,400 mm (H)
- **Weight:** Approx. 130 kg
- **Color:** Ivory (JPMA code E22-90D)
- **Classification:** Aqueous foam fire extinguishing agent
- **Foam type:** Aqueous film forming foam
- **Tank capacity:** 53 L (26.5 L x 2 tanks)
- **Gas type:** Nitrogen
- **No. of cylinder:** One
- **Capacity:** 3.4 L (3.0 L for India market)
- **Hose:** Winding mechanism
- **Length:** Internal winder
- **Nozzle:** Toggles between low and medium expansion foam
- **Foam switcher:** At least 70 seconds (at 20°C)
- **Discharge time:** Low-expansion foam (at 20°C)
- **Discharge distance (approx.):** 10 m for low-expansion foam (at 20°C) 5 m for medium-expansion foam (at 20°C)
- **Expansion ratio:** Medium expansion: at least 60 times (at 20°C)

Note: Please inquire for details regarding use on certain hazardous materials that contain aqueous solution.

- In internal testing, the MIDEX III successfully extinguished a 4 m² pan fire of n-Heptane (similar component to gasoline) within 40 seconds.
- Product performance also rated by the Hazardous Materials Safety Techniques Association (KHK) in Japan.
- Permitted for use as Type 3 fire-fighting equipment in hazardous goods facilities by application only.

(for Buildings and Other Structures and Type 4 Hazardous Materials)