

HOMATE INTERNATIONAL LTD

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For and on behalf of
HOMATE INTERANTIONAL LTD


Authorized Signature(s)

Technical Offer

Portable Backpack Firefighting FF005 Unit (20 Liters Capacity)

1. Product Description

The Portable Backpack Firefighting Unit is a manually operated, high-performance water sprayer designed for rapid initial response in forest, grassland, and agricultural fire situations. Its ergonomic design allows easy transport and effective fire suppression in areas inaccessible to vehicles.

2. Technical Specifications

Item	Specification
Model	Backpack Firefighting Water Sprayer
Capacity	20 liters
Material (Tank)	Heavy-duty, flame-retardant reinforced PVC fabric (yellow color)
Cap	Large red screw-type filler cap with sealing gasket
Carrying System	Adjustable shoulder straps with padded handle
Pump Type	Double-action hand pump with stainless steel or chrome-plated brass components
Hose Length	Approximately 1.3 meters, high-pressure resistant rubber hose
Nozzle Type	Adjustable spray nozzle (jet/mist mode)
Jet distance	Up to 8-10 meters manual pressure
Accessories	O-ring seals, hose clamps, spare gaskets, and filter screen
Weight (empty)	Approx. 2.5
Dimensions	Approx. 59 × 40 × 15 cm
Color	Yellow (for high visibility)

3. Materials and Components

- **Tank:** Durable, UV-resistant and flame-retardant PVC fabric.
 - **Pump:** Stainless steel or chrome-plated brass for corrosion resistance.
 - **Hose:** Reinforced rubber for flexibility and high-pressure performance.
 - **Nozzle:** Metal with adjustable spray pattern.
 - **Straps:** Heavy-duty nylon webbing with comfort padding.
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4. Usage Instructions

1. **Filling:**
Open the red cap and fill the tank with clean water or foam solution. Do not overfill beyond the indicated 20 L mark.
 2. **Pressurizing:**
Operate the hand pump to build pressure inside the tank.
 3. **Spraying:**
Adjust the nozzle for the desired spray pattern (jet for distance, mist for coverage). Aim at the base of the fire.
 4. **Maintenance:**
 - Clean and dry the tank after each use.
 - Check O-rings and seals regularly.
 - Store in a cool, dry place away from direct sunlight.
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5. Applications

- Forest and brush fire suppression
 - Grassland and agricultural fire control
 - Hot spot extinguishing during controlled burns
 - Industrial and rural fire prevention operations
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Director

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