STANDARD OPERATING PROCEDURE

R&B Milwaukee Strap "Fold-Out" Hose Pack

Transport and rapid deployment of a 150-foot attack hoseline for standpipe operations in multi-story and complex structures.

🏢 Mission

High-rise & large commercial standpipe attack support

📏 Capacity

150 ft of 1.5" or 1.75" double-jacketed fire hose

⚙️ Core Feature

Fold-out clamshell design for kink-free deployment

👥 Crew

Trained high-rise firefighting personnel required

SECTION 1

Mission Brief & Intended Use

Primary Mission

This SOP governs the transport and rapid deployment of a **150-foot attack hoseline** in support of standpipe operations within multi-story or complex structures — including high-rises, large commercial buildings, and hotels.

Core Design Advantage

The **fold-out, clamshell configuration** is engineered to mitigate deployment failures in constrained environments like stairwell landings. Unlike traditional tube-style bags, this system allows the entire hose load to be laid open and flaked out *before* the line is charged.

⚠️ **This equipment is a component carrier.** Successful deployment depends on properly loaded, high-quality hose, a compatible nozzle, and operation by trained firefighting personnel. The pack does not guarantee a functional attack line on its own.

Operational Benefit

→ Lays flat on landing

Entire hose load presented for visual inspection prior to charging

→ Reduces kinks & snags

Controlled flake-out eliminates tangling at the critical point of entry

→ Rapid single-action open

Velcro® straps allow immediate access without managing buckles or zippers

SECTION 2

Equipment & Component Familiarization

Structure & Containment

- **22 oz. Reinforced Vinyl Shell:** Protects hose load from abrasion, moisture, and impact during transport through stairwells and corridors
- **Double-Thick Walls, Bottom & Ends:** Provides structural rigidity for dragging across concrete, non-slip decking, and metal grating without compromising the internal hose load

Deployment & Accessibility

- **Fold-Out / Clamshell Design:** Lays completely flat when unstrapped — presents the entire hose load for inspection and organized flaking on a stairwell landing
- **Heavy-Duty Velcro® Straps (×2):** Secure pack during transport; allow rapid, single-action opening at the deployment point

Transport & Handling

- **Central 2-inch Webbing Handle:** Single-person suitcase-style carry over level ground or moderate inclines
- **Dual End Handles:** Two-person carry — standard method for safely managing weight up multiple flights of stairs
- **Heavy-Duty D-Rings:** Attachment points for optional shoulder strap, freeing hands for tools or maintaining three points of contact

Sustainment & Maintenance

- **Brass Drainage Grommets (×3):** Located on pack bottom — provide passive drainage of residual water after use, preventing mildew, corrosion, and material degradation during storage

SECTION 3

Standard Operating Procedure: Deployment

📍 **Scenario:** An engine company is assigned to fire attack on the **7th floor** of a commercial high-rise. The attack line will be connected to the standpipe outlet in the **B-stairwell on the 6th floor** (the floor below the fire), per department policy.

Phase I — Transport to Staging Area

1. **Crew Assignment:** Two-firefighter team assigned to transport the hose pack to the 6th floor
2. **Carry Method:** Utilize the **dual end handles** for a two-person carry — provides maximum control and ergonomic safety during stairwell ascent
3. **Ascent:** Proceed to 6th-floor landing maintaining situational awareness; protect pack from unnecessary impact against walls or railings

Phase II — Staging & Deployment

1. **Placement:** Place pack on a flat, clear section of the stairwell landing — maximize working space for crew and equipment
2. **Open Pack:** Release both Velcro® straps; unfold the pack so it lays completely flat, exposing the entire hose load
3. **Inspect & Connect:** Visually inspect hose lay for twists; identify female coupling and connect securely to standpipe outlet; confirm connection is tight
4. **Prepare for Advance:** Nozzle firefighter flakes out approximately **50 ft of working line** from the top of the pile to facilitate movement from landing onto the fire floor

Phase III — Advancing the Line

1. **Charge the Line:** Once the nozzle team is in position and ready, order the line to be charged
2. **Advance:** Nozzle firefighter advances toward the objective (up stairs to 7th floor door); hose flakes smoothly and predictably from the opened pack below
3. **Pack Management:** Once the hoseline is fully deployed, the empty vinyl pack remains on the staging floor, clear of the primary egress path

SECTION 4

Critical Warnings, Limits & Safety

⛔ Capacity Limit

Engineered for a **maximum of 150 feet** of 1.5" or 1.75" double-jacketed fire hose only. Over-packing or using larger diameter hose will compromise the closure system, hinder deployment, and create a safety hazard.

📐 Deployment Footprint

The fold-out design requires a relatively clear, flat area of approximately **36" × 24"** to function as intended. Cluttered or uneven deployment areas may negate the anti-kink benefits.

🔍 Pre-Charge Inspection

ALWAYS visually inspect the hose lay *after* opening the pack and *before* ordering the line to be charged. Transportation can shift the hose load — this is the **final opportunity** to identify and correct a potential kink.

👩‍🚒 User Training

This is a professional-grade tool. Effective use requires personnel trained and proficient in **high-rise firefighting tactics, standpipe operations, and hoseline management**.

🔗 Component Integrity

The pack is a carrier only. Overall operational reliability depends on the condition and quality of the **hose, couplings, and nozzle** loaded by the end-user. Damaged or improperly maintained components are a point of failure.

SECTION 5

Readiness, Inspection & Sustainment

A. Pre-Shift / Pre-Use Inspection

- **Visual Check**

  Inspect entire vinyl shell for significant rips, tears, or punctures that could snag during deployment or compromise hose protection

- **Hardware & Stitching**

  Physically pull on all handles (center and end) and D-rings to confirm stitching is intact and secure

- **Closures**

  Check both Velcro® straps — ensure they are free of debris (dirt, grit) and that hook-and-loop material engages securely along its entire length

- **Drainage**

  Confirm all three brass grommets are patent and clear of obstructions

B. Post-Incident Sustainment

01

Empty

Remove all hose and equipment from the pack

02

Clean

Rinse with fresh water to remove soot, dirt, and contaminants; use mild soap and soft brush for heavy contamination, then rinse thoroughly

03

Dry

Hang pack fully opened to air dry completely; position so grommets are at the lowest point to facilitate complete drainage before reloading

C. Recommended Loading Procedure

01

Lay Flat

Lay empty, clean pack open and completely flat

02

Load Hose

Load 150 ft using a department-approved method (e.g., Cleveland Load, Flat Load) for a compact, low-friction lay

03

Pack Top Layer

Ensure nozzle and first 50 ft of working length are packed on top for rapid nozzle firefighter access

04

Secure

Fold pack sides up and around the hose load; secure both Velcro® straps firmly