ALTRA PRO

THE RE-INVENTED LOW-PRESSURE ATTACK HOSE

SCOPE

Our all new, ALTRA Pro hose is engineered for aggressive interior fire attack applications, where low pressure and high GPM flows coupled with superior kink resistance and ease of mobility are critical components. ALTRA Pro is manufactured in accordance with NFPA 1961 standard. It was specifically built for the municipal firefighter, with the goal of exceeding all their expectations.

DESIGN

Built specifically for low-pressure operations, our hose will achieve targeted GPM flow with improved nozzle control and provide superior kink resistance which can interrupt and endanger attack crews.

CONSTRUCTION

Made with two high quality layers that deliver top-industry performances. The inner hose jacket is specially constructed with a Through the Weave nitrile rubber liner, made of 100% polyester yarns for durability and with TTW technology, so adhesion will never be a concern. This inner waterway also has a very low friction loss coefficient for maximum flow.

The outer jacket is a Patent Pending 3D weave, 100% polyester yarns that are resistant to abrasion and delivers industry leading burst performance. This new 3D technology allows us to add unique and game changing jacketed ribs that help reduce kinks, improve handling, and attack precision. The exclusive jacketed ribs also help minimize surface tension for a lower drag coefficient, as the hose doesn't drag on its full surface. ALTRA PRO is sealed with our proprietary ENCAP™ treatment which significantly reduces water absorption by up to 40%, further enhancing the hose's longevity and performance.

- **Low Pressure Attack**
- **10 Year Warranty**
- **Chemical and Ozone Resistance**
- **Short lead-times**
- **Standard lengths: 50/100 feet**
- **Passes 18" doorway kink test at 50 psi (345 kPa) nozzle pressure.**

INNOVATIONS IN SAFETY

ALTRA Pro was subjected to a static pressure of 100 PSI and safely withstood a surface temperature of 1200° F (649° C) applied by a hot metal cube for 60 seconds without bursting. To further test the capability of ALTRA Pro, static pressure was increased to over 300 PSI without bursting or significant leakage from the testing site.

NEVER SEEN BEFORE FEATURES:

- 3D weaving technology
- Unique weaved strip design
- Industry-exclusive wear warning safety feature: a high-visibility thread that emerges through the outer jacket. This visual cue highlights wear points, ensuring that you're alerted to any compromise in the hose's integrity.

NEW 3D WEAVING TECHNOLOGY PERFORMANCE ADVANTAGES:

- Highest burst pressure in the industry
- Abrasion resistance that meets and surpasses every industry standard
- Kink-resistant
- Easily packs in cross lays and hose beds
- Easy to use, highly maneuverable
- High stability in use
- Minimum elongation reduces snaking in tight places.

UNIQUE JACKETED RIB DESIGN PERFORMANCE ADVANTAGES

- Drag coefficiency factor is dramatically reduced.
- Superior kink resistance to ensure uninterrupted flow for maximum safety.
- Allows for better hand grip and nozzle control.
- Helps with precision, serves as an index reference for the nozzle operator.
- Best in class handling and maneuverability
- Secondary abrasion resistance
- Unique look and feel

Manufactured in North America.
Covered by NIEDNER's 10-year warranty.
All NIEDNER products are dried before shipping.

TECHNICAL DATA

Trade Size	Weight		Flat Width		Coupling				Pressure				
Inches	50 ft., with couplings				Aluminum set weight		Bowl size		GPM at 50psi	Service test		Burst test	
(mm)	lbs	kg	in	cm	lbs	kg	in	cm		PSI	KPA	PSI	KPA
1.77" (45mm)	22	9.98	3.15	8	1.07	0.49	2.1562	5.48	160*	650	4481	1950	13,445
1.88" (48mm)	25	11.34	3.38	8.59	1.07	0.49	2.1875	5.56	185**	650	4481	1950	13,445

* This value was obtained with a 7/8" smooth bore nozzle for the 1.77in. hose
** This value was obtained with a 15/16" smooth bore nozzle for the 1.88in hose.

AVAILABLE COLORS: White, blue, grey, red, yellow, green, purple, orange, beige-tan.

CONTACT

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