



HydroVeil™

Percolated Forestry Hose



TECHNICAL DATA SHEET

HydroVeil™ is the self-protecting forestry lay-flat hose engineered for the front line of wildland fire suppression. Its weeping design allows a controlled amount of water to weep through the hose wall, creating a veil that protects against heat and flame while maintaining full flow to the attack point. The single-jacket construction combines high tenacity filament polyester with an extruded TPU liner that is ozone and age resistant.

APPLICATIONS

Forestry lightweight, self-protecting, attack hose

Urban interface and grass fire kits

Wildland brush fire truck attack hose

KEY FEATURES

Percolated / Self-Protecting

Controlled weeping protects the hose wall under direct heat – keeping the line alive when conditions change around it.

Mildew-Resistant Jacket

Lightweight, all-synthetic single jacket construction with mildew-resistant treatment.

Extruded TPU Liner

One-piece liner fully bonded to jacket – ozone resistant, age resistant, built for long service life.

Lay-Flat Design

Compact coiling for efficient storage and pack-in deployment.

Lightweight Construction

Minimizes carry weight for foot crew operations in rugged terrain and air transport.

Quick-Connect Couplings

Forged external lug quick-connect. Fast, positive engagement without tools.



TECHNICAL SPECIFICATIONS

NOMINAL SIZE	1.5 in (38 mm)
SERVICE PRESSURE	300 psi (2,070 kPa)
PROOF PRESSURE	600 psi (4,137 kPa)
BURST PRESSURE	900 psi (6,200 kPa)
FLOW (GPM @ 150 PSI)	50
FLAT WIDTH	2.6 in (66 mm)
BOWL SIZE	1 11/16 in (43 mm)
COIL DIAMETER (COUPLED, 100 FT)	15 in (38 cm)
WEIGHT (WITH COUPLING, PER 100 FT)	11.5 lbs (5.2 kg)
FRICTION LOSS (PER 100 FT @ 150 PSI)	7.6 psi (52 kPa)
LEAKAGE RATIO (@ 100 PSI)	Less than 150 ml/m/min

AVAILABLE OPTIONS

AVAILABLE SIZE	1.5" (standard)
COLOUR	Natural
STANDARD LENGTHS	50 ft and 100 ft
	ULC certified forged external lug quick-connect (standard).
COUPLING OPTIONS	Cast external lug quick-connect or aluminum threaded NST-NPSH available on request.

CERTIFICATION & STANDARDS

STATUS	NOTES
CERTIFIED ULC S519.1	Synthetic percolating forestry.

CONSTRUCTION DETAILS

HOSE TYPE	Single jacket, percolated, lay-flat
APPLICATION	Forestry / wildland fire suppression
OUTER JACKET	High tenacity filament polyester
INNER LINER	Extruded TPU – ozone and age resistant
LINER CONSTRUCTION	One-piece extruded, fully bonded to jacket
PERCOLATION	Seeping design – controlled water seepage through hose wall
COUPLING MATERIAL	Aluminum or Black Anodized Aluminum

WARRANTY

WARRANTY PERIOD	10 years - manufacturing defects
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