



# NORTH AMERICAN FIRE HOSE



Municipal Products



The difference is... *your* margin of safety.





# NORTH AMERICAN FIRE HOSE

**NORTH AMERICAN FIRE HOSE (NAFH)** is the industry's most experienced manufacturer of innovative fire hose products. We're proud to be an American manufacturer of custom municipal, forestry, and industrial hoses. Our top priority is the safety of firefighters and others who depend upon the performance of these premium lines of fire and industrial hose. We never forget who we protect. Our mission is to provide the highest quality products at competitive prices along with the most responsive level of customer service possible.

NAFH was established in 1992 in Santa Maria, CA by Joseph Aubuchon and his son, Michael. Prior to establishing the company, both Joe and Mike were responsible for manufacturing, quality control and product development with another fire hose manufacturer. Together, they accumulated a total of over 100 years in the fire hose manufacturing industry. In 2009, Mike acquired the family business and currently operates the company.

At NAFH, quality is not just a buzz word. We use only the highest quality raw materials available to manufacture our hose products. Our equipment and processes are designed to produce premium, high quality, fire fighting and industrial products. Our facility is one of the most modern fire hose manufacturing plants in the world. Our equipment is state of the art and includes the latest weaving and extrusion technology. We meet or exceed all requirements of fire hose industry standards, including NFPA, Underwriters Laboratory, Factory Mutual, U.S. Forest Service, Military, U.S. Coast Guard, Mine Safety and Health Administration specifications and standards.

For all of these reasons, we know you'll agree. The difference is... **your** margin of safety.



Mike Aubuchon  
President / CEO

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# D-BAK 800™

EPDM Rubber Lining /  
Nylon 6-6 Double Jacket



### D-BAK 800™ FEATURES

- Exclusive **DURA-CORD®** advanced air-textured Nylon 6-6 continuous filament warp yarns, resulting in superior toughness, abrasion resistance, cut resistance, tear strength and heat resistance when compared to competitive nylon, spun polyester or filament polyester warp constructions.
- Unique **Ultra-Shield™** high performance polymeric coating seals each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The EPDM rubber lining is unaffected by Ozone deterioration and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and improving nozzle performance.
- The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
- The result is an extremely strong and flexible hose with exceptional heat, abrasion, chemical and **kink resistance**.
- Reflective directional indicator is optional at an additional cost.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack, High Rise and CAFS**  
**Available in 50 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCLD
1 3/4"	D-BAK	800 PSI	400 PSI	2 3/16"	19 lbs.
2"	D-BAK	800 PSI	400 PSI	2 15/16"	24 lbs.

# Dura-Built 800™

EPDM Rubber Lining /  
Nylon 6-6 Double Jacket



### DURA-BUILT 800™ FEATURES

- Exclusive **DURA-CORD®** advanced, air-textured nylon 6-6 continuous filament warp yarns, resulting in superior toughness, abrasion resistance, cut resistance, tear strength and heat resistance when compared to competitive nylon, spun polyester, or filament polyester warp constructions. **DURA-CORD®** is the registered trademark for NAFH. Fire hose sold under this brand is specifically manufactured by NAFH.
- Unique **Ultra-Shield™** high performance polymeric coating seals each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and significantly improving nozzle performance.
- The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
- The result is an extremely strong and flexible hose with exceptional heat, abrasion, chemical and kink resistance.
- As the name implies, this product is built for durability.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack and CAFS**  
**Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCLD
1"	DB-800	800 PSI	400 PSI	1 1/16"	11 lbs.
1 1/2"	DB-800	800 PSI	400 PSI	1 15/16"	16 lbs.
1 3/4"	DB-800	800 PSI	400 PSI	2 3/16"	18 lbs.
2"	DB-800	800 PSI	400 PSI	2 1/16"	22 lbs.
2 1/2"	DB-800	800 PSI	400 PSI	3"	26 lbs.
3"	DB-800	800 PSI	400 PSI	3 17/32"	33 lbs.

# Dura-Flow 800™

Polyurethane (TPU) Lining /  
Nylon 6-6 Double Jacket



### DURA-FLOW 800™ FEATURES

- Exclusive **DURA-CORD®** advanced, air-textured nylon 6-6 continuous filament warp yarns, resulting in superior toughness, abrasion resistance, cut resistance, tear strength and heat resistance when compared to competitive nylon, spun polyester, or filament polyester warp constructions. **DURA-CORD®** is the registered trademark for NAFH. Fire hose sold under this brand is specifically manufactured by NAFH.
- Unique **Ultra-Shield™** high performance polymeric coating seals each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The **Dura-Thane™** polyurethane (TPU) inner lining is extremely light weight and compact, and is a National Sanitation Foundation (NSF 60) approved material for safely conveying drinking water.
- The **Friction Fighter System™** results in an extremely smooth waterway surface, significantly reducing friction loss and improving nozzle performance.
- With less weight and reduced coil diameters, Dura-Flow 800™ folds more tightly into high rise hose packs and requires less hose bed space, while at the same time providing more maneuverability and flexibility than traditional hose types.
- The result is an extremely strong and flexible hose, with exceptional heat, abrasion, chemical and kink resistance.
- As the name implies, this product was created to provide superior durability as well as delivering exceptional flow characteristics.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack, High Rise, CAFS and Potable Water**  
**Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCLD
1 1/2"	DF-800	800 PSI	400 PSI	1 15/16"	12 lbs.
1 3/4"	DF-800	800 PSI	400 PSI	2 3/16"	14 lbs.
2"	DF-800	800 PSI	400 PSI	2 1/2"	18 lbs.
2 1/2"	DF-800	800 PSI	400 PSI	3"	21 lbs.
3"	DF-800	800 PSI	400 PSI	3 17/32"	27 lbs.



Curing Process for Dura-Bond™ Vulcanized Adhesion System



## Poly-Tuff 800™

EPDM Rubber Lining / Polyester Double Jacket



### POLY-TUFF 800™ FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
  - Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
  - The EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and improving nozzle performance.
  - The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
  - The result is a very strong, flexible, and "Tuff" hose, with good heat and chemical resistance.
  - Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961, FM and UL Standards.
- Applications: Attack and CAFS**  
**Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCPLD
1"	PT-800	800 PSI	400 PSI	1 1/16"	12 lbs.
1 1/2"	PT-800	800 PSI	400 PSI	1 15/16"	16 lbs.
1 3/4"	PT-800	800 PSI	400 PSI	2 3/16"	19.5 lbs.
2"	PT-800	800 PSI	400 PSI	2 7/16"	22 lbs.
2 1/2"	PT-800	800 PSI	400 PSI	3"	29 lbs.
3"	PT-800	800 PSI	400 PSI	3 17/32"	37 lbs.

## Poly-Tuff 800 LITE™

EPDM Rubber Lining / Polyester Double Jacket



### POLY-TUFF 800 LITE™ FEATURES

- With less weight and reduced coil diameters than the **Poly-Tuff 800™**, the **Poly-Tuff 800 LITE™** folds more tightly into high rise hose packs and requires less hose bed space, while at the same time providing more maneuverability and flexibility than traditional hose types.
  - **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
  - Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
  - The EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and improving nozzle performance.
  - The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
  - Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961, FM and UL Standards.
- Applications: Attack and CAFS**  
**Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCPLD
1 1/2"	PTL-800	800 PSI	400 PSI	1 15/16"	15 lbs.
1 3/4"	PTL-800	800 PSI	400 PSI	2 3/16"	17.5 lbs.
2 1/2"	PTL-800	800 PSI	400 PSI	3"	26 lbs.
3"	PTL-800	800 PSI	400 PSI	3 17/32"	35 lbs.

## True Diameter 800™

EPDM Rubber Lining / Double Jacket



### TRUE DIAMETER 800™ FEATURES

- **Inside diameter is exactly 1 3/4"**
  - **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
  - Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
  - The EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and improving nozzle performance.
  - The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
  - The result is a very strong, flexible, and "Tuff" hose, with good heat and chemical resistance.
  - Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961, FM and UL Standards.
- Applications: Attack, High Rise and CAFS**  
**Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCPLD
1 3/4"	TD-800	800 PSI	400 PSI	2 1/8"	20 lbs.



The ring twister combines multiple plies of high tenacity filament polyester yarns.



# Poly-Flow 800™

**Polyurethane (TPU) Lining / Polyester Double Jacket**



## POLY-FLOW 800™ FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The **Dura-Thane™** polyurethane inner lining is extremely light weight and compact, and is a National Sanitation Foundation (NSF 60) approved material for safely conveying drinking water. The **Friction Fighter System™** in **Poly-Flow 800™** creates an extremely smooth waterway surface, thereby significantly reducing friction loss and improving flow characteristics.

- With less weight and reduced coil diameters, **Poly-Flow 800™** folds more tightly into high rise hose packs and requires less hose bed space, while at the same time providing more maneuverability and flexibility than traditional hose types.
- Extremely strong and flexible hose, with good heat and chemical resistance, along with superior flow characteristics.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961, FM and UL Standards.

**Applications: Attack, High Rise, CAFS and Potable Water Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCLPD
1½"	PF-800	800 PSI	400 PSI	1⅝"	13 lbs.
1¾"	PF-800	800 PSI	400 PSI	2⅜"	15 lbs.
2"	PF-800	800 PSI	400 PSI	2½"	18 lbs.
2½"	PF-800	800 PSI	400 PSI	3"	23 lbs.
3"	PF-800	800 PSI	400 PSI	3⅞"	31 lbs.



View of High-Speed Weaving Operation

# Poly-Flow 800 LITE™

**Polyurethane (TPU) Lining / Polyester Double Jacket**



## POLY-FLOW 800 LITE™ FEATURES

- With less weight and reduced coil diameters than the **Poly-Flow 800™**, the **Poly-Flow 800 LITE™** folds more tightly into high rise hose packs and requires less hose bed space, while at the same time providing more maneuverability and flexibility than traditional hose types.
- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.

- The **Dura-Thane™** polyurethane inner lining is extremely light weight and compact, and is a National Sanitation Foundation (NSF 60) approved material for safely conveying drinking water.
- The **Friction Fighter System™** in **Poly-Flow 800 LITE™** creates an extremely smooth waterway surface, thereby significantly reducing friction loss and improving flow characteristics.
- Extremely strong and flexible hose, with good heat and chemical resistance, along with superior flow characteristics.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack, High Rise and CAFS and Potable Water Available in 50 and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCLPD
1¾"	PFL-800	800 PSI	400 PSI	2⅜"	13 lbs.
2½"	PFL-800	800 PSI	400 PSI	3"	20 lbs.
3"	PFL-800	800 PSI	400 PSI	3⅞"	28 lbs.



## Tri-Flow 600 LDH™

Polyurethane (TPU) Lining /  
Nylon 6-6 Double Jacket



### TRI-FLOW 600 LDH™ FEATURES

- Exclusive **DURA-CORD®** advanced air-textured nylon 6-6 continuous filament warp yarns, resulting in superior toughness, abrasion resistance, cut resistance, tear strength and heat resistance when compared to competitive nylon, spun polyester or filament polyester warp constructions. **DURA-CORD®** is the registered trademark for NAFH. Fire hose sold under this brand is specifically manufactured by NAFH.
- Unique **Ultra-Shield™** high performance polymeric coating seals each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The **Dura-Thane™** polyurethane inner lining is extremely light weight and compact, and is a National Sanitation Foundation (NSF 60) approved material for safely conveying drinking water.
- The **Friction Fighter System™** in **Tri-Flow 600 LDH™** creates an extremely smooth waterway surface, thereby significantly reducing friction loss and improving flow characteristics.

- With less weight and more compactness than nitrile rubber-covered single jacket reinforced hose, **Tri-Flow 600 LDH™** loads more tightly and requires less hose bed space, while at the same time providing more pressure capability, maneuverability and flexibility.
- **Tri-Flow 600 LDH™** hose is an extremely strong and flexible hose, with exceptional heat, abrasion, and chemical resistance.
- Designed to accomplish three separate fire fighting roles, including, Attack, Relay and Supply applications as defined by NFPA 1961, requiring a higher margin of safety than is possible with nitrile covered hose.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack, Supply, Relay, High Volume CAFS and Potable Water**  
**Available in 25, 50, and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
4"	TF-600-LDH	600 PSI	300 PSI	4 <sup>17</sup> / <sub>32</sub> "	79 lbs.
5"	TF-600-LDH	600 PSI	300 PSI	5 <sup>15</sup> / <sub>32</sub> "	91 lbs.

## Dura-Built 600 LDH™

EPDM Rubber Lining /  
Nylon 6-6 Double Jacket



### DURA-BUILT 600 LDH™ FEATURES

- Exclusive **DURA-CORD®** advanced air-textured nylon 6-6 continuous filament warp yarns, resulting in superior toughness, abrasion resistance, cut resistance, tear strength and heat resistance when compared to competitive nylon, spun polyester or filament polyester warp constructions. **DURA-CORD®** is the registered trademark for NAFH. Fire hose sold under this brand is specifically manufactured by NAFH.
- Unique **Ultra-Shield™** high performance polymeric coating seals each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™** creating an extremely smooth waterway surface, thereby reducing friction loss and significantly improving nozzle performance.
- The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to

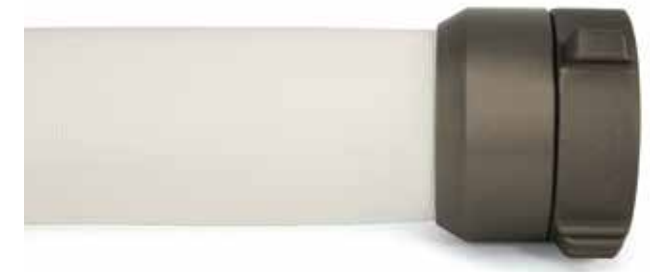
- glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
- With a higher burst strength resulting from the double jacket construction, **Dura-Built 600 LDH™** provides more pressure capability, as well as improved maneuverability and ease of handling than nitrile rubber-covered single jacket reinforced hose.
- **Dura-Built 600 LDH™** is an extremely strong and flexible hose, with exceptional heat, abrasion, and chemical resistance.
- Designed to accomplish three separate fire fighting roles including, Attack and Supply applications as defined by NFPA 1961, as well as Relay applications, where a higher margin of safety is required than available with nitrile covered hose.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack, Supply, Relay and High Volume CAFS**  
**Available in 25, 50, and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
4"	DB-600-LDH	600 PSI	300 PSI	4 <sup>17</sup> / <sub>32</sub> "	83 lbs.
5"	DB-600-LDH	600 PSI	300 PSI	5 <sup>15</sup> / <sub>32</sub> "	94 lbs.

## Poly-Flow 600 LDH™

Polyurethane (TPU) Lining /  
Polyester Double Jacket



### POLY-FLOW 600™ LDH FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The **Dura-Thane™** polyurethane inner lining is extremely light weight and compact, and is a National Sanitation Foundation (NSF 60) approved material for safely conveying drinking water.
- The **Friction Fighter System™** in Poly-Flow 600 LDH™ creates an extremely smooth waterway surface, thereby significantly reducing friction loss and improving flow characteristics.
- With less weight and more compactness than nitrile rubber-covered single jacket reinforced hose, **Poly-Flow 600 LDH™**

loads more tightly and requires less hose bed space, while at the same time providing more pressure capability, maneuverability and flexibility.

- Designed to accomplish three separate fire fighting roles, including, Attack, Relay and Supply applications as defined by NFPA 1961, requiring a higher margin of safety than is possible with nitrile covered hose.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Attack, Supply, Relay, High Volume CAFS and Potable Water**  
**Available in 25, 50, and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
4"	PF-600-AP	600 PSI	300 PSI	4 <sup>17</sup> / <sub>32</sub> "	77 lbs.
5"	PF-600-AP	600 PSI	300 PSI	5 <sup>15</sup> / <sub>32</sub> "	94 lbs.

## Poly-Tuff 600 LDH™

EPDM Rubber Lining /  
Polyester Double Jacket



### POLY-TUFF 600™ LDH FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Available either plain/uncoated "natural" white, or with our optional **Ultra-Shield™** high performance polymeric coating applied to seal each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and significantly improving nozzle performance.
- The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.

With a higher burst strength resulting from the double jacket construction, **Poly-Tuff 600 LDH™** provides more pressure capability, maneuverability and ease of handling than nitrile rubber-covered single reinforcing jacket hose.

- **Poly-Tuff 600 LDH™** hose is a very strong and flexible hose, with good heat, abrasion, and chemical resistance.
- Designed to accomplish three separate fire fighting roles including, Attack, Relay and Supply applications as defined by NFPA 1961, requiring a higher margin of safety than is possible with nitrile covered hose.
- Both the hose and couplings are made in the USA, performance shall meet and exceed all NFPA 1961 standards.

**Applications: Attack, Supply, Relay, High Volume CAFS**  
**Available in 25, 50, and 100 foot lengths**

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
4"	PT-600 LDH	600 PSI	300 PSI	4 <sup>17</sup> / <sub>32</sub> "	79 lbs.
5"	PT-600 LDH	600 PSI	300 PSI	5 <sup>15</sup> / <sub>32</sub> "	97 lbs.



# Hi-Flow 400 LDH™

Nitrile Rubber Through-the-Weave Construction



### HI-FLOW 400 LDH™ FEATURES

- 100% synthetic reinforcement, totally encapsulated in a nitrile rubber compound utilizing a through-the-weave process.
- A heavy duty rubber hose construction with good heat and chemical resistance.
- The couplings are made in the USA, performance of hose and couplings shall meet and exceed NFPA 1961 standards.
- Available in yellow and red.

**Applications: Supply and LDH**  
**Available in 25, 50, and 100 foot lengths**



HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCPLD
4"	HF-400	400 PSI	200 PSI	4 <sup>5</sup> / <sub>16</sub> "	80 lbs.
5"	HF-400	400 PSI	200 PSI	5 <sup>5</sup> / <sub>16</sub> "	110 lbs.



Our state-of-the-art weaving facility



100% NFPA 1961 proof pressure testing

# Hi-Tech 600™

Nitrile Rubber Through-the-Weave Construction



### HI-TECH 600™ FEATURES

- 100% synthetic reinforcement, totally encapsulated in a nitrile rubber compound utilizing a through-the-weave process.
- A medium duty rubber hose construction with good heat and chemical resistance.
- The couplings are made in the USA.
- Available in yellow and red.

**Applications: Attack, High Rise and Forestry**  
**Available in 50 and 100 foot lengths**



HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 50' UNCPLD
1½"	HIT-600	600 PSI	300 PSI	1¾"	14 lbs.
1¾"	HIT-600	600 PSI	300 PSI	2 <sup>1</sup> / <sub>16</sub> "	17 lbs.
2½"	HIT-600	600 PSI	300 PSI	2 <sup>13</sup> / <sub>16</sub> "	24 lbs.
3"	HIT-600	600 PSI	300 PSI	3 <sup>5</sup> / <sub>16</sub> "	36 lbs.

## Outback 600™

Polyurethane (TPU) Lining / Polyester Single Jacket



### OUTBACK 600™ FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Fabric construction features a very fine twill weave for improved abrasion and snagging resistance in wildland fire fighting situations.
- High visibility yellow **Ultra-Shield™** polymeric coating seals each and every fiber in the bundle, further improving abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.

The **Dura-Thane™** polyurethane inner lining is extremely strong and durable, while maintaining a lightweight and compact profile.

- Immune to the effects of mildew and rot, requiring less maintenance after use.
- Designed to withstand the rigors of the Outback, as well as other wildland fire fighting situations.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Forestry, Wildland, and CAFS**  
Available in 50 and 100 foot lengths

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
1"	OB-600	600 PSI	300 PSI	1¼"	10 lbs.
1½"	OB-600	600 PSI	300 PSI	1¾"	14 lbs.

## Outback 600 HD™

EPDM Rubber Lining / Polyester Single Jacket



### OUTBACK 600 HD™ FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Fabric construction features a very fine twill weave for improved abrasion and snagging resistance in wildland fire fighting situations.
- High visibility yellow **Ultra-Shield™** polymeric coating seals each and every fiber in the bundle, further improving abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- The EPDM rubber lining is unaffected by ozone deterioration, and is one component in the **Friction Fighter System™**, creating an extremely smooth waterway surface, thereby reducing friction loss and improving nozzle performance.

- **The Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.
- Immune to the effects of mildew and rot, requiring less maintenance after use.
- Designed to withstand the rigors of the Outback, as well as other wildland fire fighting situations.
- Both the hose and couplings are made in the USA, performance shall meet and exceed NFPA 1961 standards.

**Applications: Forestry, Wildland, and CAFS**  
Available in 50 and 100 foot lengths

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
1"	OB-600 HD	600 PSI	300 PSI	1¼"	12 lbs.
1½"	OB-600 HD	600 PSI	300 PSI	1¾"	17 lbs.

## NAFH-187™ Type I

Polyurethane (TPU) Lining / Filament Polyester Single Jacket



### NAFH-187™ TYPE I FEATURES

- Synthetic filament polyester warp and filler yarns are unaffected by the effects of mildew and rot, requiring less maintenance after use.
- The **Dura-Thane™** polyurethane inner lining is extremely strong and durable, while maintaining a lightweight and compact profile.
- Meets all requirements of the U.S. Forest Service Standard 5100-187 for Type I construction.
- Both the hose and couplings are made in the USA.

**Applications: Forestry, Wildland, and CAFS**  
Available in 50 and 100 foot lengths

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
1"	NAFH-187	500 PSI	250 PSI	1⅜"	9.5 lbs.
1½"	NAFH-187	500 PSI	250 PSI	1¾"	14 lbs.

Hose will be marked "450 PSI Working Pressure" in accordance with USDA Forest Service Specification 5100-187 Type I.

## NAFH-187™ Type II

Polyurethane (TPU) Lining / Polyester Single Jacket



### NAFH-187™ TYPE II FEATURES

- **Poly-Cord™** ring-spun polyester warp yarns are combined with filament polyester filler yarns.
- Fabric construction features a very fine twill weave for improved abrasion and snagging resistance in wild land fire fighting situations.
- High visibility yellow **Ultra-Shield™** polymeric coating seals each and every fiber in the bundle, further improving the abrasion resistance, reducing moisture and chemical absorption, and providing vivid color-coded identification.
- **The Dura-Thane™** polyurethane inner lining is extremely strong and durable, while maintaining a lightweight and compact profile.
- Immune to the effects of mildew and rot, requiring less maintenance after use.

- Meets all requirements of the U.S. Forest Service Standard 5100-187 for Type II construction.
- Both the hose and couplings are made in the USA.

**Applications: Forestry, Wildland, and CAFS**  
Available in 50 and 100 foot lengths

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
1"	NAFH-187 II	600 PSI	300 PSI	1⅜"	10 lbs.
1½"	NAFH-187 II	600 PSI	300 PSI	1¾"	14 lbs.

Hose will be marked "450 PSI Working Pressure" in accordance with USDA Forest Service Specification 5100-187 Type II.



# Lightweight Booster Hose 600™



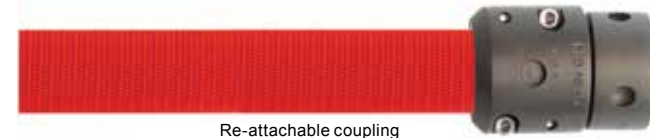
EPDM Rubber Lining / Polyester Single Jacket

## LIGHTWEIGHT BOOSTER HOSE 600™ FEATURES

- Lightweight, 100% polyester woven jacket construction designed for ease of handling.
- Fabric construction features a very fine weave for improved abrasion resistance and to resist snagging in wildland fire fighting situations.
- The **Dura-Bond™** vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues.



Expansion ring coupling



Re-attachable coupling

- Immune to the effects of mildew and rot, requiring less maintenance after use.
- The perfect lightweight choice for wildland booster reels.
- Both the hose and couplings are made in the USA.

**Applications: Booster, Wildland, and Reels**  
Available in 50 and 100 foot lengths in Red only

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
1"	LBH-600	600 PSI	300 PSI	1 1/4"	15 lbs.



# Booster Hose 800™

Rubber-Covered Braided Reinforcement



## BOOSTER HOSE 800™ FEATURES

- Heavy duty, ozone resistant, rubber-covered construction with braided reinforcement.
- Couplings are polished chrome plated brass, hole type style.
- Coupling thread options: NST or SIPT.
- Both the hose and couplings are made in the USA.

**Applications: Booster, Wildland, and Reels**  
Available in lengths up to 200 feet

HOSE SIZE	SPECIFICATION NUMBER	ACCEPTANCE TEST PSI	SERVICE TEST PSI	BOWL SIZE	WEIGHT PER 100' UNCLD
3/4"	BH-800	1600 PSI	800 PSI	1 1/4"	48 lbs.
1"	BH-800	1600 PSI	800 PSI	1 19/32"	64 lbs.



Quality control lab testing in our Ozone exposure chamber



# Ultra-Shield™ Coating

Our exclusive **Ultra-Shield™** high performance polymeric coating provides improved functionality to the hose constructions, while also providing a means of vivid color coding in order to simplify hose identification.

**Ultra-Shield™** is applied in a multi-step process, which starts by thoroughly impregnating the outer jacket under tremendous pressure in order to completely saturate the fabric cross-section with the polymer rich polymeric coating, followed by heat set curing in a two-stage process for maximum adhesion and durability.

The **Ultra-Shield™** formulation seals each and every fiber in the yarn bundle to create a very tough and ultra-violet light stable polymeric matrix, further improving abrasion resistance, reducing moisture absorption, and increasing the chemical resistance of our products. In addition, the Ultra-Shield™ coatings are available in a wide range of vivid colors to enable color-coded identification methods.

**Ultra-Shield™** is standard on America's Finest products and is optional on most other woven jacket items.

Formulated, developed and manufactured by North American Fire Hose Corporation, **Ultra-Shield™** is the most effective and the highest quality coating system available in the industry today.

STANDARD COLORS	
Yellow	Red
Tan	Orange

AVAILABLE UPON REQUEST	
Blue	Black
Green	White

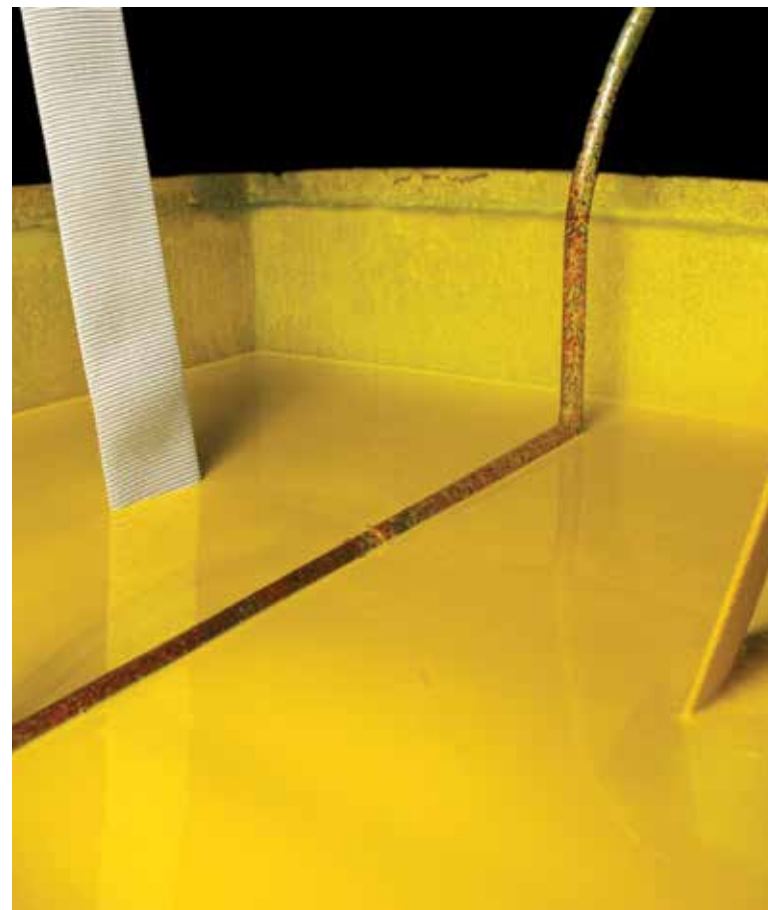
Ultra-Shield™ is standard on the following woven jacket constructions:

- D-BAK 800™
- Dura-Built 800™
- Dura-Built 800™
- True Diameter 800™
- Tri-Flow 600 LDH™
- Dura-Built 600 LDH™
- Outback 600™ (Available in yellow.)
- Outback 600 HD™ (Available in yellow.)
- NAFH-187™ Type II (Available in yellow.)

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Ultra-Shield™ is available on the following woven jacket constructions:

- Poly-Tuff™ series
- Poly-Flow™ series



Woven jackets begin the Ultra-Shield™ impregnation process.

# Couplings

## Features and Options

- All municipal brass and aluminum couplings are manufactured in the USA, with domestic components only. We will not offer any products that are "Assembled in the USA" with substandard, imported components and manufacturing tolerances.
- Proof-of-origin of domestic manufacturing will be provided upon request.
- Couplings and components are fully compliant with all requirements of NFPA 1963.

## Extruded Aluminum Couplings

- All extruded aluminum couplings are produced with domestically extruded, seamless 6061-T6 materials conforming to ASTM B-221, which are then hardcoat anodized in strict compliance with MIL-A-8625 Type III, Class 1 standards for superior resistance to abrasion, corrosion and electrolysis, as well as preventing excessive thread wear in use.
- Imported port hole or seamed "architectural" aluminum stock is strictly prohibited due to the inherent weakness and lack of reliability experienced with such materials.
- Available in standard rocker lug configuration for 1" through 5" hose sizes, as well as 1" through 1 1/2" USDA Forestry types.

## Re-Attachable Storz Couplings

- All re-attachable forged Storz couplings feature the same extruded aluminum materials for the tail piece and collars as referenced for the extruded aluminum couplings, which are then combined with forged 6061-T6 aluminum Storz heads for superior strength and reliability.
- Aluminum components are hardcoat anodized for durability.
- A stainless steel locking lever prevents accidental separation of hose while in use.

## Cast Brass Expansion Ring Couplings

- All brass couplings are produced from high grade red brass components (conforming to ASTM B584 or B505 standards), which are 100% cast, machined and assembled in the USA.
- Standard rocker lug configuration.





## Municipal Fire Hose

All woven jacketed products provided by North American Fire Hose (NAFH) shall be delivered in first-class condition, and shall be free from defects in material and workmanship for a period of ten (10) years from the date of shipment. All nitrile products provided by North American Fire Hose (NAFH) shall be delivered in first-class condition, and shall be free of defects in material and workmanship for a period of five (5) years from the date of shipment. During the warranty period, any fire hose removed from service for such defects shall be repaired or replaced free of charge to the customer.

This warranty does not apply to normal wear, abrasion, snags, cutting, holes, tears, punctures, burning, melting, chemical attack or contamination, or any damage resulting from accident, mistreatment, misuse, abuse or neglect that may render the fire hose unfit for service. Damage due to mildew or rot are also excluded. This warranty expressly excludes all incidental or consequential damages.

Warranty returns cannot be accepted without prior written authorization. Upon issuance of a Return Materials Authorization (RMA) number by NAFH, the hose must be clean, properly packaged and returned to NAFH freight prepaid, and in a timely manner. Upon receipt of the returned goods, NAFH will inspect and test the hose as required. Should it be determined by NAFH that the hose is covered by the materials and workmanship warranty, it will be repaired and/or replaced, and then returned to the customer freight prepaid by NAFH.

Please contact customer service should you have any questions about the warranty.



All woven jackets are inspected for defects after weaving.



Application of Dura-Bond™ vulcanized rubber backing



## Lifetime Delamination Warranty Dura-Bond™ Rubber-Lined Products

This lifetime warranty statement applies to all North American Fire Hose (NAFH) **Dura-Bond™** rubber-lined products listed in our current Municipal Products Catalog.

All NAFH **Dura-Bond™** rubber-lined products have a lifetime warranty against delamination. By definition, as long as the hose is suitable for service in accordance with current NFPA Standards in effect, including the capability to pass both the visual examination and annual service test procedure, then NAFH will replace any **Dura-Bond™** rubber-lined hose products that is found to be delaminated per the NFPA 1961/1962 Standard definitions at no charge to the fire department.

Warranty returns cannot be accepted without prior written authorization. Upon issuance of a Return Materials Authorization (RMA) number by NAFH, the hose must be clean, properly packaged and returned to NAFH freight prepaid, and in a timely manner. Upon receipt of the returned goods, NAFH will inspect and test the hose as required. Should it be determined by NAFH that the hose is covered by the delamination warranty, it will be replaced, and then returned to the customer freight prepaid by NAFH. Should it be determined that the hose is not covered by the warranty for defects in materials and workmanship, then it will be the responsibility of the customer to prepay the freight for the return of the product if desired.

Please contact customer service should you have any questions about this warranty.



## NFPA Definitions

### Test Pressure

#### Service Test Pressure

Annual hydrostatic test to be conducted by purchaser on all in-service (used) hose to determine suitability for continued use. The service test pressure is to be 10% greater than the “normal highest operating pressure” at which the hose is expected to be used.

#### Proof / Acceptance Test Pressure

“One-time” test pressure, performed by the factory, on every new hose prior to shipment. The proof test pressure shall not be less than two times the specified service test pressure.

#### Burst Test Pressure

Minimum burst test pressure shall not be less than three times the specified service test pressure.

#### Operating / Working Pressure

Maximum advised operating/working pressure that should not exceed 90% of the service test pressure (which is stenciled on the hose) or the maximum operating pressure of the attached coupling.

### Country of Origin

#### Fire Hose

NFPA 1961, Standard on Fire Hose, 2013 Edition, 5.6.1 “Marking” states: “Each length of fire hose shall be indelibly marked in letters and figures at least 1 inch (25 mm) high with the manufacturer’s identification, the country of origin, the month and year of manufacture, and the words “service test pressure to [the service test pressure the hose is designed to] psi (bar) per NFPA 1962 [Standard for the Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose]”

#### Couplings

NFPA 1963, Standard For Fire Hose Connections, 2014 Edition, 4.17 “Marking” states: “...Also, the fire hose connection or fitting shall be permanently and legibly marked on the outside surface of the product, with the country of manufacturing origin.”

### Hose

#### Attack Hose

Hose designed to be used by trained firefighters and fire brigade members to combat fires beyond incipient stage.

#### Forestry Hose

Hose designed to meet specialized requirements for fighting wildland fires.

#### Large Diameter Hose (LDH)

Hose of 3½ inch (90 mm) or larger size in diameter.

#### Suction Hose

Hose designed to prevent collapse under vacuum conditions so that it can be used for drafting water from below the pump (lakes, rivers, wells, etc.).

#### Supply Hose

Hose designed for the purpose of moving water between a pressurized source and a pump that is supplying attack lines.

## NAFH Trade Names

#### **DURA-BOND™**

The Dura-Bond™ vulcanized fusing system, which creates both a mechanical and chemical permanent bond between the EPDM lining and the inner jacket to eliminate the possibility of delamination. Other fire hose manufacturers use of adhesives to glue the lining to the inner jacket in rubber-lined construction can cause delamination issues. - **Lifetime Delamination Warranty** - refer to page 21.

#### **DURA-CORD®**

Warp yarn consisting of high pressure air-jet entangled filament nylon 6-6, incorporated into the construction of North American Fire Hose offerings listed in **America’s Finest Products** - refer to page 3.

**DURA-CORD®** is the registered trademark for NAFH. Fire hose sold under this brand is specifically manufactured by NAFH.

#### **Dura-Thane™**

Polyurethane inner lining (TPU) – Thermoplastic Polyurethane: extremely lightweight and compact, approved material for safely conveying drinking water (NSF 60 – National Sanitation Foundation).

#### **Friction Fighter System™**

Both the inside jacket construction and the lining fusion process provide reduction in surface frictions resulting in a smooth waterway.

#### **Poly-Cord™**

Ring-spun polyester warp yarns combined with continuous filament polyester filler yarns.

#### **ULTRA-SHIELD™ Coating**

High performance two part polymeric coating thoroughly saturates and encapsulates each and every fiber in the yarn bundle, enhances the inherent abrasion resistance, durability, environmental resistance, reduction in moisture absorption, increase chemical resistance and vivid color coding to simplify hose identification - refer to page 18.





# NORTH AMERICAN FIRE HOSE

 **FAMILY OWNED  
AMERICAN MADE**



The difference is... *your* margin of safety.

## NORTH AMERICAN FIRE HOSE

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