

# SINGLE JACKET HOSE



## A) UL LISTED HOSE

Single jacket fire hose consists of 100% polyester plain-woven synthetic and natural rubber linings. This fire hose has very good resistance to ageing and abrasion. The light fire hose is suitable for normal situation.

Single jacket hose made of high tenacity polyester staple and polyester filaments. Lining is natural rubber. Jacket is plain. There is a special adhesion between the jacket and the rubber.



SPECIFICATIONS				
Model Number	Diameter (inch)	Service Test Pressure (Bar/Psi)	Hydrostatic Strength Test Pressure (Bar/Psi)	Standard Compliance/ Approvals
NF-FH38	1.5	14/200	50/725	UL19,NFPA 1961 / UL listed
NF-FH65	2.5	14/200	50/725	

NH threaded. Storz & instantaneous coupling or other types are available upon request.

## B) KITEMARK AND LPCB APPROVED HOSE, TYPE 2

Single jacket fire hose consists of an impermeable elastomeric lining, a synthetic fibre reinforcement and externally applied elastomeric coating to the reinforcement. Delivery hoses are non-percolating lay flat type used in fire fighting purpose. Hoses are suitable for use with couplings with the requirements of BS 336:2010 standards. Hose is intended for use at working pressure not exceeding 15 bar. Delivery hose are manufactured to comply BS 6391: 2009 Standards.



### FEATURES

- BSI Kitemark and LPCB Certified.
- Light weight and flexible.
- Hose belongs to Type 2 with Elastomeric lining, Synthetic fibre reinforcement and elastomeric coating on the reinforcement.
- Hose give good protection against the absorption of

### APPLICATIONS

- Industrial and rural fire brigades as well as building protection.
- For general industrial, commercial and civil engineering applications.

- liquids and resistance of the reinforcement.
- Anti rot and anti twist.
- Hose with couplings are wound by Galvanized mild steel / SS wire.

### HOSE DATA

Hose : Type 2  
 Available Color : Red, White  
 Standard Length : 25/30 Meters

SPECIFICATIONS				
Model Number	Diameter (Inch.)	Working Pressure (Bar/Psi)	Burst Pressure (Bar/Psi)	Standard Compliance/Approvals
NF-DH2-65R	2.5	15/215	50/725	BS 6391: 2009/ Kitemark&LPCB
NF-DH2-65W				

NH threaded. Storz & instantaneous coupling or other types are available upon request.

## C) DURALEX FIRE HOSE, UL LISTED

### DESCRIPTION

#### Outer and Inner Layers

Specially formulated rubber, extruded through the tubular fabric. Minimum load loss thanks to its smooth liner surface. High temperature resistance.

#### Intermediate Textile Fabric Reinforcement

Jacket manufactured with tubular weave with high-tenacity polyester thread. Free of defects such as broken threads, knots, etc.

### CHARACTERISTICS

- Excellent resistance to abrasion and to intensive professional use.
- High resistance to oil, gasoline and wide range of chemicals.
- Highly resistant to both contact and radiant heat.
- Lightweight hose, remaining flexible even at low temperatures (-30°C)

### APPLICATIONS

#### Fields of Application

- Ideal for Fire Departments and Professional Industry services.
- Refineries.
- Armed Forces.
- Airports.
- Ships and Oil Rigs.
- Heavy Industry.



- Easy to handle and wind up thanks to its great flexibility.
- High breaking resistance thanks to its special textile construction.
- No maintenance or drying required.

### HOSE DATA

- Hose: Type 3.
- Color: Red.
- Coupling: Instantaneous hose quick coupling (Aluminum/Brass).
- Standard Length: 30 Meters, other lengths available upon request.

SPECIFICATIONS								
Model Number	Diameter		Weight	Thickness	Working Pressure	Test Pressure	Burst Pressure	Standard Compliance/ Approvals
	Inches	mm						
Duralex 38	1 ½"	38	360	2.30	25	50	75	UL19, NFPA 1961/UL Listed
Duralex 65	2 ½"	64	575	3.60	15	30	50	
Duralex 100	4	102	1.050	3.00	15	30	45	

NH threaded. Storz & instantaneous coupling or other types are available upon request.

# DOUBLE JACKET FIRE HOSE

## A) UL LISTED HOSE

### FEATURES

• This durable, double jacket hose is constructed of 100% high tensile strength polyester yarns, both wrap and filler, and lined with a high-tech EPDM tube. Its engineered design guarantees minimum weight with maximum durability and flexibility. The UL Listed Double Jacket Fire Hose and its assemblies under this specifications shall be constructed with superior quality materials, manufactured in accordance with National Fire

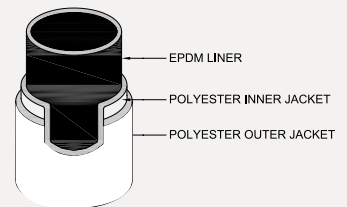
- Protection Association (NFPA) 1961 standard.
- Outstanding abrasion resistance.
- Tough, dependable and lightweight attack hose.
- A stripe of a contrasting color running the full length of the hose can be provide into the jacket to meet NFPA recommendations for pump panel.

### HOSE DATA

• Available colors: White & Red

### STANDARD LENGTH

• 50', 75', 100' (Other length available upon request.)



SPECIFICATIONS				
Model Number	Diameter (Inch.)	Service Test pressure (Bar/Psi)	Burst Pressure (Bar/Psi)	Standard Compliance/Approvals
NF-FH38DJ	1.5	21/300	63/900	UL19, NFPA 1961/UL Listed
NF-FH65DJ	2.5	21/300	63/900	

NH threaded. Storz & instantaneous coupling or other type available upon request.

# PU LINED HOSE

## SYNTHETIC, SINGLE JACKET FIRE HOSE

(250 PSIG / 1725 kPa Service Pressure)

Hose interior is all synthetic, light weight, and are UL approved.

### HOSE DATA

- Available colors: Red, White.
- Standard lengths: 75ft, 100ft, 200ft, Other lengths available upon request.
- Applicable standards: UL219.

### CONSTRUCTION AND FEATURES

- The hose is of single jacket construction.
- The jacket is made with high tenacity filament polyester yarn in both the warp and weft directions, to provide maximum strength to weight ratio.
- The hose is resistant to chemicals and petrol products, rot & mildew, hydrolysis, and resist deterioration due to exposure UV-rays and ozone

### APPLICATIONS

- Cabinet / Fire Hose Reel / Fire Hose Rack.

### PERFORMANCE

- The hose, in all sizes, have minimum service, test, and burst pressures as specified in the technical chart.
- The hose have a maximum flow with minimum friction loss.
- The hose have no defects, dirt, knots, lumps or other irregularities affecting the performance of the hose.
- The hose is resistant to kinking and remain flexible to -65°F(-53°C).
- Twisting and warping are at least 100% better than required, by the applicable NFPA standards.



### SPECIFICATIONS

Hose Model	Size (inside)		Size (outside)		Wt. 100 (30.5M) Un-coupled		Coil Diameter 100' (30.5M)		Service Pressure		Proof Pressure		Burst Pressure		Standard Compliance/ Approvals
	In.	mm.	In.	mm.	lbs.	kg.	in.	cm.	PSI	kPa	PSI	kPa	PSI	kPa	
NF-FH38PU	1.5**	38**	1 1/16	43	10.4	4.7	11.5	29.2	250	1725	500	3450	750	5175	UL219, NFPA 1961/ UL Listed
NF-FH65PU	2.5**	64**	2 3/4	70	24.0	10.9	14.5	36.8	250	1725	500	3450	750	5175	

Couplings; NH threaded (1 1/2" or 2 1/2") in Brass or Aluminium Anodized.

Storz & instantaneous coupling or other type available upon request.

# FIRE HOSE RACK ASSEMBLY

NAFFCO Fire hose racks are designed for use in controlling incipient fire by building occupant use and conform to NFPA 14 standards for CLASS II service. The Fire Hose Racks are manufactured to comply FM standard Class 2141.



## FEATURES

- Hose rack frame material made of Stainless Steel Gr.304.
- Provides an immediate water source for fire suppression.
- Easy operational for single person.
- Hose rack is designed to hold the hose with movable pins for easy & quick operation at the time of Emergency.
- An automatic release mechanism allows water to flow through the hose after removal of the hose and nozzle.
- Standard assemblies include:
  - \* Angle Valve or pressure reducing type valve (UL/FM approved).
  - \* Hose rack frame.
  - \* Hose rack nipple.
  - \* Hose coupling.
  - \* Fire Hose - 30 Mtr. (UL Listed).
  - \* Fog nozzle. (UL and/or FM approved).
- Hose rack frames are RED (RAL 3000) Polyester powder coated, oven baked.



SPECIFICATIONS		
Model Number	NHR 38V	NHR 64V
<b>FIRE HOSE</b>		
Fire Hose Type	Single jacket, Light weight Thermoplastic lining with high tenacity filament polyester yarn, UL listed	Single jacket, Light weight Thermoplastic lining with high tenacity filament polyester yarn, UL listed
Size & Color	1½"x30Mtr., White	2½"x30Mtr., White
Service Pressure	250 PSI	250 PSI
Proof Pressure	500 PSI	500 PSI
Burst Pressure	750 PSI	750 PSI
<b>COUPLINGS</b>		
Type	1-1½" NH Female Threaded Coupling, Brass	2-½" NH Female Threaded Coupling, Brass
<b>ANGLE VALVE</b>		
Working Pressure	300 PSI	300 PSI
Test Pressure	600 PSI	600 PSI
<b>NOZZLE</b>		
Inlet Size	1.5" Female NST Threaded	2.5" Female NST Threaded
Discharge rate (in full spray pattern)	130±5GPM@100PSI	205±5GPM@100PSI

Pressure reducing valve available upon request.

## Handheld Branch Pipe



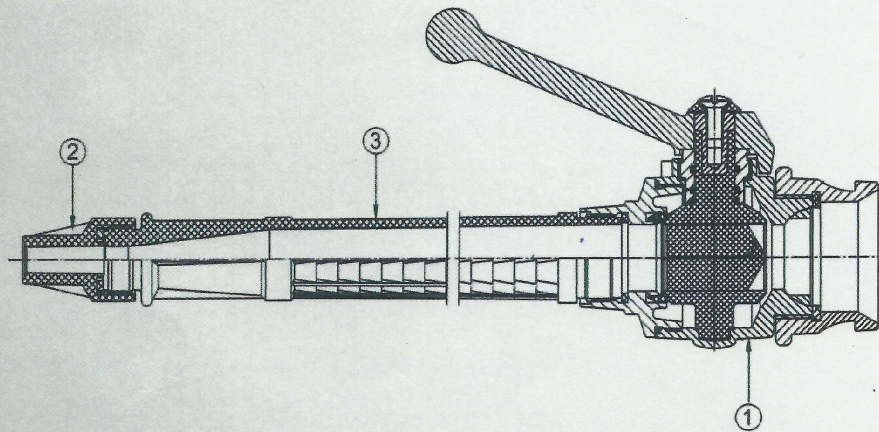
### PRODUCT DESCRIPTION

NAFFCO hand-held branch pipe is made by combination of metal and plastics. The water flow control is by means of SHUT, JET and SPRAY. The branch pipe has male instantaneous coupling inlet manufactured to comply with BS 336:2010 standards.

### FEATURES

- BSI Kitemark & LPCB certified
- Metal body material made of aluminium alloy to BS EN 1706:1998
- Pipe & Tip material made of polyamide

MODEL	NF-FB-320
Type	Handheld Controllable
Flow Control	Jet and Spray
Inlet Connection	Male Instantaneous Coupling to BS 336:2010
Nozzle Hole Diameter	12.5mm
Working Pressure	16 Bar
Test Pressure	35 Bar



BILL OF MATERIAL		
S. No.	Description	Material
1	Metal Body	Aluminium Alloy to BS EN 1706:1998
2	Tip	Polyamide
3	Pipe	Polyamide

## BRANCHPIPE NOZZLES



### JET NOZZLE COMPLETE WITH BRANCHPIPE

Code No.	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS077-LA-STD-NA	Aluminium Alloy	Natural	Male	210L/min (12mm dia.)	16m (12mm dia.)
WRS077-GM-STD-NA	to BS 1490 Copper Alloy to BS 1982		Instantaneous BS 336	510L/min (19mm dia.)	22m (19mm dia.)

This nozzle is available with two orifice sizes, 12mm and 19mm.  
Application: Hydrant system, wet or dry riser system



### DIFFUSER NOZZLE 500 (JET/SPRAY)

Code No.	Type	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS099-LA-STD-NA	Standard	Aluminium Alloy to BS 1490	Natural	Male Instantaneous BS 336	500L/min (JET) 590L/min (SPRAY)	26m (JET) 15m (SPRAY)
WRS101-LA-STD-NA	With branchpipe					
WRS099-GM-STD-NA	Standard	Copper Alloy to BS 1982	Natural	Storz DIN 52C	500L/min (JET) 590L/min (SPRAY)	26m (JET) 15m (SPRAY)
WRS101-GM-STD-NA	With branchpipe					
WRS106-GM-52C-NA	Storz inlet					



### DIFFUSER NOZZLE 800 (JET/SPRAY)

Code No.	Type	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS100-LA-065-NA	Standard	Aluminium Alloy to BS 1490	Natural	Male Instantaneous BS 336	800L/min (JET) 880L/min (SPRAY)	35m (JET) 28m (SPRAY)
WRS102-LA-065-NA	With branchpipe					
WRS100-LA-065-HL	With pistol grip	Copper Alloy to BS 1982	Natural	Male Instantaneous BS 336	800L/min (JET) 880L/min (SPRAY)	35m (JET) 28m (SPRAY)
WRS100-GM-065-NA	Standard					
WRS102-GM-065-NA	With branchpipe					
WRS100-GM-065-HL	With pistol grip					



### JET/SPRAY NOZZLE WITH CONTROL VALVE

Code No.	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS078-LA-065-NA	Aluminium Alloy to BS 1490	Natural	Male BS Instantaneous	160L/min (JET)	14m (JET & SPRAY)
WRS078-LA-52C-NA			Storz DIN 52C	140L/min (SPRAY)	
WRS097-LA-050-NA			Male BS Instantaneous		

## BRANCHPIPE NOZZLES



### 1-1/2" JET/SPRAY NOZZLE

Code No.	Type	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
WRS103-LA-038-NA	Standard	Aluminium Alloy to BS 1490	Natural	1-1/2" NST Female thread	200L/min (JET)	14m (JET)
WRS105-LA-038-NA	With pistol grip			280L/min (SPRAY)	8m (SPRAY)	
WRS103-GM-038-NA	Standard	Copper Alloy to BS 1982		1-1/2" NST Female thread	310L/min (JET)	17m (JET)
					400L/min (SPRAY)	10m (SPRAY)

FOS011-LA-STD-NA



### WATER/FOAM PISTOL GRIP NOZZLE (JET/FOG)

This nozzle provides a combination fog and straight stream flow. Flowrate and flow pattern can be change without closing the nozzle. It is available in heavy duty bronze construction and also light weight aluminium alloy construction. Flowrate can be adjusted from 150LPM to 460LPM. Nozzle can be easily open and close with the quick quarter turn handle.

This nozzle provides excellent discharge in the application of AFFF and non-protein foam.

Optional aeration foam tube (FOS011-LA-STD-NA) is available to fit on the end of the nozzle to enhance expansion of foam solution and also deliver a longer and heavier foam blanket (expansion rate 8 to 1). It is easily attach and secure to the nozzle.

Code No.	Material	Finishing	Inlet Size	Flowrate @ 65Psi (4.4 Bar)	Throwrange @ 65Psi (4.4 Bar)
FOS005-LA-038-BK	Aluminium Alloy	Black	2 1/2" Male BS336	150-220-350-460 LPM	22m (JET)
FOS005-GM-038-BK	Copper Alloy	Natural	2 1/2" Male BS336	40-60-95-125 GPM	14m (SPRAY)
FOS005-LA-38BGDV	Aluminium Alloy	Black	Bogdanov/GOST	150-220-350-460 LPM	

### HANDLINE NOZZLE AUTO WATER/FOAM LA 2"

This nozzle provides a combination fog and straight stream flow. Flowrate and flow pattern can be adjusted without closing the nozzle. Flowrate can be adjusted from 340LPM to 530LPM. Nozzle can be easily open and close with the quick turn handle.

This nozzle provides excellent discharge in the application of AFFF and non-protein foam.

Code No.	Material	Finishing	Inlet Size	Flow rate @ 6 Bar
FOS005-LA-050-BK	Aluminium Alloy	Natural	2" & 2 1/2 Male BSP	90-119-140-FLUSH GPM
			2 1/2" Male BS336	340-450-530-FLUSH LPM

Setting	Flow rate @ 6 Bar			Throwrange @ 6 Bar
	JET	1/2 Spray	Full Spray	Jet
90G / 340L	368 LPM	372 LPM	372 LPM	30 m
119G / 450L	464 LPM	482 LPM	494 LPM	25 m
140G / 530L	520 LPM	560 LPM	568 LPM	25 m
FLUSH	564 LPM	620 LPM	620 LPM	15 m

