



جائزة محمد بن راشد آل مكتوم للأعمال
MOHAMMED BIN RASHID AL MAKTOUM BUSINESS AWARD

EXPORT 2005 التصدير
MANUFACTURING 2006 الصناعة
MANUFACTURING 2010 الصناعة
JAFZA

HOSES & ACCESSORIES



THE FIRE PROTECTION SPECIALISTS



Introduction

National Fire Fighting Manufacturing FZCO (NAFFCO) was established in 1991 and has grown to become the largest fire fighting equipment manufacturer in the Middle East and one of the top manufacturers worldwide.

The company's core business focuses on design, manufacture, supply, installation and after sales services with our highly trained and experienced technicians and engineers for fire fighting products ranging from basic fire extinguishers to highly sophisticated fire engines. The company provides total fire protection solutions to the most prestigious developments around the world, including residential buildings, commercial complexes, telecommunication centers, industrial installations, oil refineries and petrochemical plants and airport installations.

With its presence in over 80 countries, NAFFCO headquarters is located in United Arab Emirates, where a wide range of innovative fire fighting equipment is manufactured with the company's state-of-the-art technology.

The company is renowned for providing superb quality and assuring the timely performance of its products at all times. With simple yet effective fire extinguishers of all sizes, custom made fire cabinets, heavy duty fire hoses, high capacity powerful pumps, mobile fire fighting systems, including CAFS systems, and highly advanced fire engines, NAFFCO dedicated itself to the science of fire fighting.

Moreover, NAFFCO has diversified from the passive fire protection arena and is now one of the specialists in the field of automation and control for all types of fire alarm and security systems.

NAFFCO's ISO 9001 QUALITY MANAGEMENT SYSTEM is certified by UL, LPCB and BV. This organization endeavors to continually and effectively improve the quality of our products which are certified by international bodies like UL, FM, LPCB, BSI, SAI Global and SABS in accordance with the international standards of NFPA.

As recognition to the success of our business growth, we have been accredited thrice with the prestigious Mohammed Bin Rashid Al Maktoum Business Award, in the year 2005 for excellence in exports, in 2006 & 2010 for manufacturing excellence under the free zones category. Furthermore as a manufacturer of complete fire protection solution provider, NAFFCO has also been recognised by the Dubai Quality Appreciation Program 2008, which is a testimony to our commitment to quality and consistent focus on business excellence.

Motivated by our slogan "Think Safety, Think NAFFCO!" we strive to be the global leader in providing comprehensive and reliable fire protection solutions to make the world a safer place to live in.



Australian Standard

SINGLE JACKET HOSE

Single jacket fire hose consists of 100% polyester plain-woven single jacket and synthetic rubber and natural rubber lining. This fire hose has very good resistance to ageing and abrasiveness. 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. Between the jacket and the rubber tube there is special adhesion.



FIRE FIGHTING HOSE (2LAYERS) - SINGLE JACKET

Model No	Diameter(Inch)	Service Test Pressure (Bar / Psi)	Hydrostatic Strength Test Pressure (Bar / Psi)	Standard Compliance / Approvals
NF-FH38	1.5	14 / 200	50 / 725	UL 19, NFPA 1961/ UL listed
NF-FH65	2.5	14 / 200	50 / 725	

FIRE FIGHTING HOSE (2LAYERS) - SINGLE JACKET

Model No	Diameter(Inch)	Maximum Working Pressure(Bar)	Burst Pressure (Bar)	Manufacturing Standard
Syntex Series	1.5/2/2.5	15	50	BS 6391: 2009 & DIN 14811

Features:

- Manufactured according to BS 6391
- Outside - synthetic woven textile reinforcement.
- Inside - High tensile synthetic rubber (Optional material: P.U.).
- Maintenance free: Do not need drying.
- Unaffected by Mildew & Rot proof.
- Abrasion resistance due to synthetic coating.
- Excellent resistance to Ozone.

Specifications

- Available colors: White & Red
- Standard lengths: 75ft, 100ft, 200ft, Other lengths available upon

SINGLE JACKET 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 Hose are non-percolating lay flat type used in fire fighting purpose. Hose are suitable for use with couplings with the requirements of BS 336: 2010 standards. Hose intended for use at working pressure not exceeding 15 bar. Delivery hose are manufactured to comply BS 6391: 2009 Standards.

Features:

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



Specifications:

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



FIRE FIGHTING HOSE (2LAYERS) - SINGLE JACKET

Model No	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				

Applications:

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

RACK & REEL HOSE

Synthetic, Single Jacket Fire Hose

(250 PSIG / 1725 kPa Service Pressure)

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

Applications

- Cabinet / Fire Hose Reel / Fire Hose Rack

Scope

- Hose manufactured to this specification are superior quality and workmanship.
- Lined fire hose for interior fire protection are light in weight and designed for emergency use only.

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.

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.



TECHNICAL CHART

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 11/16	43	10.4	4.7	11.5	29.2	250	1725	500	3450	750	5175	NFPA 1961/ UL 219
NF-FH65PU	2.5**	64**	2 3/4	70	24.0	10.9	14.5	36.8	250	1725	500	3450	750	5175	

FIRE HOSE RACK

NAFFCO Fire hose racks are designed for use in controlling incipient fire by building occupant use and conform s 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 approval)
 - Hose rack frame
 - Hose rack nipple
 - Hose coupling
 - Fire Hose - 30 mtr.
 - Fog nozzle.
- Hose rack frames are RED (RAL 3000) Polyester powder coated, oven baked.

SPECIFICATIONS

Size	1-1/2"x30 MTR
Model	NHR 38V
Fire Hose Type	Single jacket, Light weight Thermoplastic lining with high tenacity filament polyester yarn, UL listed
Size & Color	1.5"x30MTR., White
Service Pressure	150 PSI
Proof Pressure	500 PSI
Burst Pressure	750 PSI
Couplings:	
Type	1-1/2" NH Female Threaded Coupling, Brass
Angle Valve*	
Working Pressure	300 PSI
Test Pressure	600 PSI
Nozzle	
Inlet Size	1.5" Female NST Threaded
Discharge rate (in full spray pattern)	130 ± 5GPM@100 PSI
* Pressure reducing Type available upon request	

DOUBLE JACKET FIRE 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. It's 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.



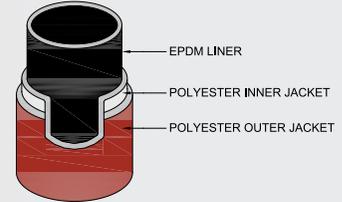
Specifications

Available color:

Red, White.

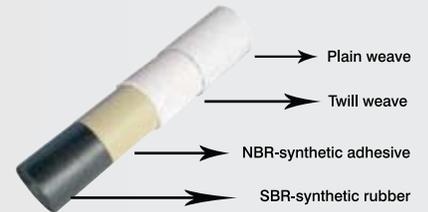
Standard length:

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



FIRE FIGHTING HOSE (3 LAYERS) - DOUBLE JACKET

Model No.	Diameter (Inch)	Service Test pressure (Bar / Psi)	Burst pressure (Bar / Psi)	Standard Compliance / Approvals
NF-FH38DJ	1.5	21 / 300	63 / 900	UL 19, NFPA1961/ UL Listed
NF-FH65DJ	2.5	21 / 300	63 / 900	



FIRE FIGHTING HOSE (3 LAYERS) - DOUBLE JACKET

Model No.	Diameter (Inch)	Minimum Working pressure (Bar)	Minimum Burst pressure (Bar)	Masufacturing Standard
D Syntex W	1.5 / 2 / 2.5	21	60	DIN / BS Standards
D Syntex P	1.5 / 2 / 2.5	21	60	

Applications

Municipal fire brigades, Industrial fire Brigades.

The hose have better abrasion resistance than single jacket hoses and higher service test pressure.

Construction

Double jacket, the wrap yarn shall consist of polyester staple, the filler shall be constructed of high strength, low elongation, filament polyester. The liner shall be a single ply extruded of EPDM rubber and adhere to the to prevent delamination. Hoses are available with polymer impregnation that provides additional abrasion resistance.

Coupling Available

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

DURALEX

High Performance Fire Hose

Duralex Series of Fire Fighting Hoses has smooth inner lining made of a special polymer which facilitates a very low friction. The overall construction is of high tenacity synthetic fibre circular woven seamless reinforcement and totally encapsulated in synthetic special polymer.

Features:

- Fire Hose of BS 6391 Type 3 standard.
- All-in-one construction from synthetic rubber with textile-re-inforcement locked in (Optional material: PVC).
- Resistant to Kinking, Ozone, Ultra-violet, Weather, Heat and Delamination.
- Hard wearing resistance to abrasion, oil and chemicals.
- Maintenance free: Do not need drying.
- Highly flexible and light weight.
- Internal lining - High quality synthetic rubber (Optional Material: PVC).
- External cover - High quality rubber with longitudinal ribs.
- Warp made of high tenacity fibers.
- Weft of multi-ply high tenacity fibers.
- Special inner layer for chemical resistance and anti-ageing.
- Smooth inner layer for low friction loss.
- Outer ribs for better hose protection.

Specifications:

- Available colors: Red
- Standard lengths: 75ft, 100ft, 200ft, Other lengths available upon request.
- Applicable standards: BS6391 Type 3 DIN 14811.

Applications:

- Petroleum Refineries.
- Oil & Gas Exploration Facilities.
- Power Plants.
- Ports & Docks.
- Airports.
- Commercial Complexes.
- Residential Complexes.
- Fire Brigades.

DURALEX TOP QUALITY FIRE FIGHTING HOSE

Model No	Diameter (inch)	Working Pressure (Bar)	Burst Pressure (Bar)	Manufacturing Standard
Duralex Series	1-4	17	50	BS6391: 2009 & DIN 14811

SUCTION HOSE & ADAPTORS



SUCTION HOSE & COUPLINGS

SUCTION HOSE		COUPLING	
MODEL NO.	DIAMETER (INCH)	MODEL NO.	DIAMETER (INCH)
NSH250	2.5	NSC250	2.5
NSH300	3	NSC300	3
NSH400	4	NSC400	4
NSH600	6	NSC600	6



Features:

- Made from Rubber or PVC
- Optional - special length and hose diameter available upon request.

Specification:

- Available colors: Black
- Standard lengths: 10ft, other lengths available upon request.



DELIVERY HOSE COUPLING				
REF.	DESCRIPTION	MODEL NO.	NOMINAL SIZE	MATERIAL
1	Instantaneous with Serrated Tails	NHC-QCS	1.5/2.5	Aluminium Alloy / Bronze / Gun Metal
2	Sortz - Serrated Tail	NHC-SZS	1.5/2.5	
3	Instantaneous with Ribbed Tails	NHC-QCR	1.5/2.5	
4	Sortz-Female Thread Coupling	NHC-SZT	1.5/2.5	
5	Male/Female NH Thread Coupling	NHC-NH	1.5/2.5	

Features:

- An instantaneous quick coupling designed to BS336.
- A variety of materials available including Aluminum Alloy, Bronze, Gun Metal Chrome plated.
- *Please specify required material when ordering - A/AL for Aluminum Alloy, B for Bronze and GM for Gun metal.

Optional:

Kite mark and LPCB approved instantaneous with ribbed tail coupling available on request.



ADAPTORS & BLANK CAPS			
REF.	DESCRIPTION	MODEL NO.	SIZE (INCH)
1	Instantaneous Adaptor -Double Female	NAQC-DF	2.5
2	Instantaneous Adaptor -Double Male	NAQC-DM	2.5
3	Female instantaneous-Female Screw Thread Adaptor(NST or BSPT)	NA-FQCFT	2.5
4	Male instantaneous-Male Screw Thread Adaptor	NA-MQCMT	2.5
5	Female instantaneous-Male Screw Thread Adaptor	NA-FQCMT	2.5
6	Male instantaneous-Female Screw Thread Adaptor	NA-MQCFT	2.5
7	Male instantaneous-Female Screw Thread Adaptor	NA-FTMQC	4 Female/2.5 Male
8	Female instantaneous-Male Screw Thread Adaptor	NA-MTFQC	4 Male/2.5 Female
9	Male instantaneous Adaptor-Blank Cap	NA-MQC	2.5

Features:

- Alternate sizes of the above items are also available upon request.
- *Please specify required material when ordering - A/AL for Auminium Alloy, B for Bronze and GM for Gun metal.



Australian Standard

QUALITY SYSTEM

National Fire Fighting Manufacturing FZCO is certified to ISO 9001 Quality system by Underwriters Laboratories Inc, Loss Prevention Certification Board UK & Bureau Veritas. Our manufacturing processes are based on a quality system that ensures the use of raw material conforming to relevant International Standards. Our production process is monitored by work standards & quality plans conforming to relevant International standards enabling us to deliver quality products.

APPROVALS

NAFFCO has successfully achieved ISO 9001 Quality Management system certified by UL, LPCB & BV. Further we have achieved Product certification from UL, FM, LPCB, BSI, CE & SAI Global on wide range of products which include Fire Extinguishers, Fire Hose Reels, Centrifugal Fire Pumps, Diesel Engine for driving Fire pumps, Fire doors, Fire Fighting equipment & Certification for Fire Alarm systems installations.

ENGINEERING CAPABILITIES

NAFFCO is backed by a team of professionals who are well qualified and specialized in their respective field viz - Design, Development, Production and Project Implementation. Our investment in applied research and development program concentrates on innovations which meets customer needs.

PRODUCT RANGE



We reserve the right to modify specifications without prior notice

Our Aim is to become your supplier of choice while focusing on value added products and services that matter most to you



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