



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

التصدير EXPORT 2005
الصناعة MANUFACTURING 2006
المنامة MANUFACTURING 2010
JAFZA

FOAM EXTINGUISHERS



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.



Portable Foam (AFFF) Extinguishers

Stored Pressure

AFFF extinguishers are suitable for both Class A & B fires. Foam has the ability to reduce the risk of re-ignition. Foam extinguishers combine the smothering effect of AFFF and the cooling and penetrating effect of water.

Model	NF1	NF2	NF3	NF6	NF9	NF10
Extinguisher capacity	1Litre	2Litre	3Litre	6Litre	9Litre	10Litre
Fire Rating	21B	34B	13A 89B	8A 113B	13A 183B	13A 183B
Working Pressure	14Bar	14Bar	14Bar	15Bar	15Bar	15Bar
Test Pressure	30Bar	30Bar	30Bar	30Bar	30Bar	30Bar
Total Weight	1.8Kg	3.7Kg	6.0Kg	11Kg	15.5Kg	16.5Kg
Range of Discharge	2m	2m	4m	6-8m	8-9m	9-10m
Duration of Discharge	7-9Sec	8-12Sec	14-16Sec	16-20Sec	22-24Sec	28Sec
Operation Temperature	+5° C to +60°C					

FEATURES:

- Ready for instant use.
- Exceptionally effective on class A and B fire.
- Portable and compact design.
- Made of special CRCA sheet with Argon/CO₂ welding process.
- Simple operation and maintenance.
- Cylinders are 100% factory tested t 30 bar.
- Easy grip valve for comfortable operation.
- Nickel plated Brass Valve with reliability and long life.
- Rugged PVC pick up tube enables smooth flow of the agent.
- Precision built mechanical pressure gauge.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process.

APPLICATIONS:

- Flammable Liquid Storage Areas
- Ships
- Airports
- Chemical Plants and Laboratories
- Quench Tanks
- Petrochemical Industries
- Solvents Storage & Processing Areas
- Spray Booths

AFFF AGENT

- Rapid fire knockdown
- AFFF seals the burning surface against re-igniting
- Water draining our from the AFFF cools the fuel surface
- AFFF forms a self-healing film, hence when damaged a new film will float out and cover fuel surface
- AFFF extinguishers flammable and combustible liquids either in surface or spill type fires.
- Excellent penetrating and wetting qualities when used on class A fires

Options

- Special extinguishers which are freeze protected up to -20°C
- Extinguishers made of stainless steel is available upon request
- Plastic base



Portable Foam (AFFF) Extinguishers

External CO₂ Cartridge

FEATURES:

- Rugged, durable, reliable fire protection.
- Incorporated with high pressure external CO₂ cartridge.
- Easy maintenance.
- Field rechargeable
- Simple and safe operation.
- Safety valve is provide on the cartridge and the main valve to ensure maximum safety.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process.

APPLICATIONS:

Cartridge type extinguishers are designed for the protection of ordinary and high risk hazards. It can be used for reliable fir protection in many industries and applications including refining, petrochemical, oil and natural gas production, mining, transportation, utilities, metal processing, painting process areas, material storage areas and many others.

Model	NFC6	NFC9	NFC10
Extinguisher capacity	6Litre	9Litre	10Litre
Fire Rating	8A 113B	13A 183B	13A 183B
Working Pressure	14 to 15 Bar		
Test Pressure	30Bar		
Total Weight	13Kg	17Kg	18Kg
Range of Discharge	8-9m		
Duration of Discharge (Minimum)	16Sec	22Sec	28Sec
Operation Temperature	+5° C to +60°C		



Portable Foam (AFFF) Extinguishers

Internal CO₂ Cartridge

FEATURES:

- Rugged, durable, reliable fire protection.
- Incorporated with high pressure external CO₂ cartridge.
- Easy maintenance.
- Field rechargeable
- Simple and safe operation.
- Safety valve is provide on the cartridge and the main valve to ensure maximum safety.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- Internally coated with Polyolefin & thermosetting polymer powder using whirl sintering process.
- Ideal for use in corrosive and harsh service conditions such as offshore platforms and marine jetties.

Options

- Special extinguishers which are freeze protected up to -20°C
- Plastic base

Model	NFIC6	NFIC9	NFIC10
Extinguisher capacity	6Litre	9Litre	10Litre
Fire Rating	8A 113B	13A 183B	13A 183B
Working Pressure	14 to 15 Bar		
Test Pressure	30Bar		
Total Weight	12Kg	16.5Kg	17.5Kg
Range of Discharge	6-5m	8-9m	9-10m
Duration of Discharge (Minimum)	16Sec	22Sec	28Sec
Operation Temperature	+5° C to +60°C		



FOAM

Portable Foam (AFFF) Extinguishers

FEATURES:

- Ready for instant use and simple to operate.
- Fully controlled and easy operation by rust free brass valve.
- Cart and cylinders are made of rugged steel and welded to meet extreme use conditions.
- Easily transportable.
- Highly visible pressure-indicating gauge.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- Internally coated with Polyolefin & thermosetting polymer powder using resin for corrosion resistance.

Options

- For three wheels, suffix "S"
- Other hose lengths available upon request.
- Special Extinguishers which are freeze protected up to -20°C

Stored Pressure

Model	NTF25	NTF10G	NTF50	NTF100	NTF35G
Extinguisher capacity	25Litre	10Gallons	50Litre	100Litre	35Gallons
Fire Rating	13A IB	13A IB	13A IIB	13A IIIB	13A IVB
Working Pressure	15Bar				
Test Pressure	30Bar				
Total Weight	58Kg	70Kg	95Kg	170Kg	227Kg
Range of Discharge	7-8m	7-8m	7-8m	7-8m	7-8m
Duration of Discharge	25-30Sec	30-33Sec	45-50Sec	90-95Sec	110-115Sec
Operation Temperature	+5° C to +60°C				
Hose Length	3m	3m	5m	7m	7m

External CO₂ Cartridge

Model	NTFC25	NTFC10G	NTFC50	NTFC100	NTFC35G
Extinguisher capacity	25Litre	10Gallons	50Litre	100Litre	35Gallons
Fire Rating	13A IB	13A IB	13A IIB	13A IIIB	13A IVB
Working Pressure	15Bar				
Test Pressure	30Bar				
Total Weight	65Kg	82Kg	102Kg	189Kg	236Kg
Range of Discharge	7-8m	7-8m	7-8m	7-8m	7-8m
Duration of Discharge	25-30Sec	30-33Sec	45-50Sec	90-95Sec	110-115Sec
Operation Temperature	+5° C to +60°C				
Hose Length	3m	3m	5m	7m	7m

Foam Master

FEATURES:

- Ideal for rapid deployment to flammable liquid fires & chemical spills.
- Can be operated by one person.
- Foam tank made of stainless steel.
- Externally powder painted (yellow color)

Model	NFM 150 L25	NFM 500L
capacity*	150Litre	500Litre
Foam Inductor	2"dia, 1-6% variable	
Foam Branchpipe	2 inch	
Fire Hose	1½" X 15m	2½" X 15m

*Other capacity available upon the request





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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