



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

التصدير 2005 EXPORT  
الصناعة 2006 MANUFACTURING  
الصناعة 2010 MANUFACTURING  
JAFZA

# WATER 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 100 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 DQS inc, 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 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 recognized by the Dubai Quality Appreciation 2008, which is a testimony to our commitment to quality and consistent focus on business excellence.

Motivated by our motto "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.



## WATER FIRE EXTINGUISHERS

Water extinguishers are effective on Class A fires involving solid materials such as wood, paper and textiles. Class A fire when not complicated by other classes of risk, are effectively extinguished by the cooling effect of water.

### Type of Extinguishers

Stored Pressure – NW Series  
Internal Cartridge – NWIC Series  
External Cartridge – NWC Series

### Options

- Special Extinguishers which are freeze protected.
- Extinguishers made of stainless steel are available upon request.
- Portable Extinguishers with Plastic Base.
- For mobile extinguisher with 3 wheels suffix "S".

### Portable Extinguishers – Stored Pressure/Cartridge Type

Type	Stored Pressure		External Cartridge			Internal Cartridge	
Model	NW8	NW9	NWC8	NWC9	NWC10	NWIC8	NWIC9
Extinguisher capacity	6Liters	9Liters	6Liters	9Liters	10Liters	6Liters	9Liters
Fire Rating	13A	13A	13A	13A	13A	13A	13A
Working Pressure	15Bar	15Bar	14-15Bar	14-15Bar	14-15Bar	14-15Bar	14-15Bar
Test Pressure	30Bar	30Bar	30Bar	30Bar	30Bar	30Bar	30Bar
Total Weight	11.5kg	15.5kg	13kg	17kg	18kg	12kg	16.5kg
Total Height	610mm	635mm	610mm	635mm	635mm	610mm	635mm
Range of Discharge	6m	6-7m	6-7m	6-7m	7-8m	8m	9m
Duration of Discharge (Minimum)	20Sec	30Sec	20Sec	30Sec	25Sec	20Sec	35Sec
Operation Temperature	+5° C to +60°C						

### Options

- Manufacturing Standard is BSEN3 for Portable Extinguisher and BSEN1866-1 for Mobile Extinguisher.
- Ready for instant use.
- Heavy duty steel cylinder.
- Made of special CRCA sheet with Argon/CO<sub>2</sub> welding process.
- Simple operation and maintenance.
- Cylinders are 100% factory tested to 30 bar.
- Nickel plated Brass Valve with reliability and long life.
- Precision built mechanical pressure gauge.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.
- Internally coated with Polyolefin – based thermosetting polymer powder resin using whirl sintering process.
- Cartridge type extinguishers are incorporated with CO<sub>2</sub> cartridge.



### Mobile Extinguishers – Stored Pressure

Model	NTW25	NTW10G	NTW50	NTW20G	NTW100	NTW35G
Extinguisher capacity	25Liters	10Gallons	50Liters	20Gallons	100Liters	35Gallons
Fire Rating	21A	21A	21A	21A	21A	21A
Working Pressure	15Bar					
Test Pressure	30Bar					
Total Weight	58kg	70kg	95kg	134kg	170kg	227kg
Total Height	970mm	1130mm	1030mm	1000mm	990mm	1080mm
Range of Discharge	7-8m	9-10m	9-10m	9-10m	9-10m	10-11m
Duration of Discharge	25-30Sec	35-40Sec	45-50Sec	63-70Sec	90-95Sec	110-115Sec
Operation Temperature	+5° C to +60°C					
Hose Length	3m	3m	5m	7m	7m	7m



### Mobile Extinguishers – External Cartridge

Model	NTWC25	NTWC10G	NTWC50	NTWC20G	NTWC100	NTWC35G
Extinguisher capacity	25Liters	10Gallons	50Liters	20Gallons	100Liters	35Gallons
Fire Rating	21A	21A	21A	21A	21A	21A
Working Pressure	15Bar					
Test Pressure	30Bar					
Total Weight	65kg	82kg	102kg	148kg	189kg	235kg
Total Height	970mm	1130mm	1030mm	1000mm	990mm	1080mm
Range of Discharge	7-8m	9-10m	9-10m	9-10m	9-10m	10-11m
Duration of Discharge	25-30Sec	35-40Sec	45-50Sec	63-70Sec	90-95Sec	110-115Sec
Operation Temperature	+5° C to +60°C					
Hose Length	3m	3m	5m	7m	7m	7m





Australian Standard

### QUALITY SYSTEM

National Fire Fighting Manufacturing FZCO is certified to ISO 9001 Quality system by UL DQS 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 In process production is monitored by work standards & quality plans confirming 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



Hoses & Accessories



Extinguishers



Reels & Cabinets



Valves & Hydrants



Suppression System



Low Voltage Systems



Pumps



Fire Doors



Fire Trucks



NFPA & Training



Valves & Risers



CAPS



Passive Fire Protection

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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