



# Dry Powder Extinguishers



THE FIRE PROTECTION SPECIALISTS



# Dry Powder Extinguishers





# Dry Powder Fire Extinguishers

## Stored Pressure Portable

### Features:

- Ready for instant use.
- Highly effective on class A, B, C & E fire.
- 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.
- 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.
- Plastic Base is available upon request.



### Applications

NAFFCO dry chemical extinguishers are designed for the protection of light, ordinary and extra high hazards.

These compact extinguishers are suited for both industrial and commercial fire protection needs.

Typical applications include: Light Manufacturing, Warehouses, Restaurants, Office Buildings, Shop Areas, Auto Repair Shops, Paint Process Areas, Welding Areas, Machinery, Residential Apartments, Parking Garages, Aircraft Servicing Areas, Material Handling Vehicles, and many others.

Model	NP1	NP2	NP5L	NP4.5	NP6	NP10	NP12
Extinguisher Capacity	1Kg	2Kg	5Lbs	4.5Kg	6Kg	10Kg	12Kg
Working Pressure	14Bar	14Bar	14Bar	15Bar	15Bar	15Bar	15Bar
Test Pressure	30Bar						
Total Weight	1.8Kg	3.7Kg	4Kg	7.3Kg	9.5Kg	14Kg	16.7Kg
Range of Discharge	4-5m	5-7m	5-7m	6-8m	6-8m	6-8m	6-8m
Duration of Discharge	7-9Sec	8-10Sec	9-11Sec	10-12Sec	14-16Sec	16-18Sec	18-22 Sec
Operating Temperature	-20 °C to +60 °C						

# Dry Powder Fire Extinguishers

## External CO<sub>2</sub> Cartridge Portable

### Features:

- Rugged, durable, reliable fire protection.
- Highly effective on class A, B, C & E fire.
- Incorporated with high pressure external CO<sub>2</sub> cartridge.
- Easy maintenance.
- Field rechargeable.
- Simple and safe operation.
- Safety valve is provided on the cartridge and the main valve to ensure maximum safety.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.



### Applications:

External Cartridge extinguishers are designed for the protection of ordinary and high risk hazards. It can be used for reliable fire protection in many industries and applications including Refining, Petro-Chemical, Oil and Natural Gas Production, Mining, Transportation, Utilities, Metal Processing, Paint Process Areas, Welding Areas, Material Storage Areas and many others.

### Options

- Special NPC-M series with metal dry powder for class D fire of Magnesium, Sodium etc.
- Special NPC-F series with Sodium Bicarbonate for class B & C fires
- Special PVC internal coating
- Plastic base

Model	NP6	NP12
Extinguisher Capacity	6Kg	12Kg
Working Pressure	14 Bar	
Test Pressure	30 Bar	
Total Weight	11Kg	18.9Kg
Range of Discharge	6-8m	6-8m
Duration of Discharge	14-16 Sec	18-22 Sec
Operating Temperature	-20 °C to +60 °C	

## Dry Powder Fire Extinguishers



## Options

- Special NPIC-M series with metal dry powder for class D fire of Magnesium, Sodium etc.
- Special NPIC-F series with Sodium Bicarbonate for class B & C fires
- Special PVC internal coating
- Plastic base

## Internal CO<sub>2</sub> Cartridge Portable

### Features:

- Rugged, durable, reliable fire protection.
- Highly effective on class A, B, C & E fire.
- Incorporated with high pressure internal CO<sub>2</sub> cartridge.
- Easy maintenance.
- Field rechargeable.
- Simple and safe operation.
- Ideal for use in corrosive and harsh service conditions such as offshore platforms and marine jetties.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.

Model	NPIC6	NPIC10	NPIC12
Extinguisher Capacity	6Kg	10Kg	12kg
Working Pressure	14Bar		
Test Pressure	30Bar		
Total Weight	12Kg	16.7Kg	19.5Kg
Range of Discharge	6-8m	6-8m	6-8m
Duration of Discharge	14-16 Sec	16-18 Sec	18-22 Sec
Operating Temperature	-20°C to +60°C		

## Automatic Dry Powder Units



MRU 100

## Applications

**Applications**  
Well suited for oil furnaces,  
paint spray booths,  
flammable liquid storage  
areas, electrical hazard areas  
etc.

## Options

- Unit(s) can be released manually by electrical actuator connected to a Manual Release Unit (MRU 100).

### Features:

- Ready for immediate risk protection, no need for piping.
- Fully automatic release to extinguish class A, B, C & E fire effectively.
- Different sizes are available to protect various sizes of hazard areas.
- Rigid construction to provide maximum protection for the risk areas.
- Easy assembly and easy maintenance.
- Provided with safety valve.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.

Model	ND4.5 MATIC	ND6 MATIC	ND10 MATIC	ND12 MATIC	ND15 MATIC	ND20 MATIC	ND25 MATIC	ND30 MATIC
Extinguisher Capacity	4.5Kg	6Kg	10Kg	12Kg	15Kg	20Kg	25Kg	30Kg
Working Pressure	15Bar							
Test Pressure	30Bar							
Total Weight	10.0Kg	10.5Kg	15.9Kg	17.9Kg	25Kg	33.5Kg	39Kg	45Kg
Distance Between Unit & Risk	1.5 - 4m							
Duration of Discharge	10-12 Sec	14-16 Sec	16-18 Sec	18-22 Sec	22-26 Sec	26-31 Sec	30-35 Sec	35-40 Sec
Protected Volume	10m³	13m³	22m³	26m³	33m³	43m³	54m³	65m³
Room Temperature Range	-20 °C to +60 °C							
Operating Temperature	68 °C,    Optional: 79 °C / 93 °C							

# Dry Powder Fire Extinguishers



## Stored Pressure Mobile

### Features:

- Ready for instant use and simple to operate.
- Fully controlled and easy operation by rust free brass valve.
- Cart and cylinder 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.

### Options

- For three wheels, suffix "S"
- Other hose lengths available upon request

Model	NTDP25	NTDP30	NTDP50	NTDP75	NTDP100	NTDP150
Extinguisher Capacity	25Kg	30Kg	50Kg	75Kg	100Kg	150Kg
Working Pressure	15Bar					
Test Pressure	30Bar					
Total Weight	59.5Kg	76Kg	100Kg	127.5Kg	180.7Kg	239Kg
Range of Discharge	7-9m	7-9m	7-9m	7-9m	8-9m	8-9m
Duration of Discharge	25-30 Sec	30-35 Sec	40-45 Sec	65-70 Sec	85-90 Sec	135-140 Sec
Operating Temperature	-20 °C to +60 °C					
Hose Length	3m	3m	5m	7m	7m	7m

# Dry Powder Fire Extinguishers



## External CO<sub>2</sub> Cartridge Mobile

### Features:

- Ready for instant use and simple to operate.
- Fully controlled and easy operation by rust free brass valve.
- Cart and cylinder are made of rugged steel and welded to meet extreme use conditions.
- Easily transportable.
- Incorporated with high pressure external CO<sub>2</sub> cartridge.
- Electrostatic powder painting after shot blasting ensures maximum corrosion resistance.

### Applications

NAFFCO Mobile Fire Extinguishers are manufactured to provide protection for hazardous areas where the potential for large fire exists.

Typical applications include: Paint Spray Booths, Dip and Quench Tanks, Offshore Platforms, Loading Racks, Fuel Storage Areas, Airports, and Heavy Manufacturing Operations.

### Options

- Special NTDP-C-M series with metal dry powder for class D fire of Magnesium, Sodium etc.
- Special PVC internal coating.

Model	NTDPC25	NTDPC30	NTDPC50
Extinguisher Capacity	25Kg	30Kg	50Kg
Working Pressure	15Bar		
Test Pressure	30Bar		
Total Weight	68Kg	73Kg	105Kg
Range of Discharge	7-9m	7-9m	7-9m
Duration of Discharge	25-30 Sec	30-35 Sec	40-45 Sec
Operating Temperature	-20 °C to +60 °C		
Hose Length	3m	3m	5m

# Dry Powder Cart Unit



## Features:

- Robust design.
- High efficiency in extinguishing power.
- Ideal protection for high risk installations such as military bases, large warehouses, fuel depots, airports etc.
- 2 x 27 litres of compressed Nitrogen cylinders, with charging pressure of approx 200 bars.

## Options:

- Unit with metal dry powder for class D fire of Magnesium, Sodium etc.
- Unit with Monnex dry powder.
- Special rear lights.

Model	NF/TDP250	NF/TDP500
Extinguisher Capacity	250Kg	500Kg (ABC Powder)
Working Pressure	15Bar	
Test Pressure	30Bar	
Total Weight	500Kg (Approx)	1000Kg (Approx)
Range of Discharge	10-12m	10-12m
Duration of Discharge	110 Sec	390 Sec (with 2 Discharge Guns)
Charge Cap Diameter	4inch dia brass cap	
Hose Length	1inch Hose of 15m x 2Nos	



# Dry Powder Skid Unit

## Features:

- Custom-built to meet specific client requirements.
- Capacity up to 1000kg.
- Provides ideal protection for high risk area where there is high chances of fire.
- The system can be activated remotely or by manually opening the nitrogen cylinder valve.
- Discharge can be via handline nozzles or monitors to suite site requirements.
- Special marine paint available for offshore or coastline applications.

## Applications

Petroleum / Petrochemical:

Loading Racks, Refinery Processing Equipment, Product Transfer and Processing Areas

Marine:

Tanker Decks, Machinery Spaces, Loading Docks

Manufacturing:

Industrial Operations (paint spray booths, dip and quench tanks), Warehouses, Steel Mills, Paint and Solvent Mixing Areas, Machinery Lubricating Systems, Flammable Liquid Storage Areas

Utilities:

Transformers, Generators, Turbines, Control Equipment, Fuel Storage Areas

Natural Gas:

LNG Tankers, Natural Gas Plants, Process Piping, Vaporizers, Compressors, Liquification Plants, Sump Areas, Truck Loading Areas.

Model	NSDP250	NSDP500
Capacity	250Kg	500Kg
Working Pressure	15Bar	
Test Pressure	30Bar	
Range of Discharge	7-9m	
Duration of Discharge	220 Sec	390 Sec
Operating Temperature	-20 °C to +60 °C	
Hose Length	15m	



# Twin Agent Units



## Applications

Petroleum / Petrochemical:

Marine:

Manufacturing:

Utilities:

Natural Gas:

Loading Racks, Refinery Processing Equipment, Product Transfer and Processing Areas  
 Tanker Decks, Machinery Spaces, Loading Docks  
 Industrial Operations (paint spray booths, dip and quench tanks), Warehouses, Steel Mills, Paint and Solvent Mixing Areas, Machinery Lubricating Systems, Flammable Liquid Storage Areas  
 Transformers, Generators, Turbines, Control Equipment, Fuel Storage Areas  
 LNG Tankers, Natural Gas Plants, Process Piping, Vaporizers, Compressors, Liquification Plants, Sump Areas, Truck Loading Areas

## Features:

- The system comprises two extinguishing agents ABC dry powder and AFFF foam.
- Excellent extinguishing power. Dry Powder knocks of the fire rapidly while foam prevents burn back.
- Dry powder and foam are provided with external CO<sub>2</sub> cartridge for the expulsion of the agents.
- Discharge of the agents is via double delivery hoses mounted on the hose reel.
- Rugged construction.
- Specially designed handgun to release the twin agent simultaneously.

## Options:

- Unit with Class BC dry chemicals (Purple K or sodium bicarbonate).
- Unit with Freeze protected AFFF for operating temperature up to -20°C.



NT100DF



NT200DF

Model	NT50DF	NT100DF	NT200DF
Capacity	50Kg ABC DCP+ 50Litre AFFF	100Kg ABC DCP+ 100Litre AFFF	200Kg ABC DCP+ 200Litre AFFF
Working Pressure	15Bar		
Test Pressure	30Bar		
Range of Discharge	7-9m	8-10m	10-12m
Duration of Discharge	40-45 Sec	80-85 Sec	160-170 Sec
Operating Temperature	0°C to 60°C		
Hose Length	5m	10m	15m



## QUALITY SYSTEM

National Fire Fighting Manufacturing Co. Ltd. is certified to ISO 9001 Quality System by Loss Prevention Certification Board, U.K. and Bureau Veritas Quality International. Manufacturing process are based on a quality control system, that ensures conformity of raw materials, well monitored process control techniques and vigilant final inspection, giving a consistently high quality finished product.

## APPROVALS

Quality assurance is of paramount importance in NAFFCO's priorities. NAFFCO has been awarded many product approvals like Kite Mark, CE Mark etc. against a wide range of Fire Extinguishers and Fire Hose Reels.

## 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***



NATIONAL FIRE FIGHTING MANUFACTURING FZCO  
PO Box 17014, Dubai, United Arab Emirates.  
Tel 971 4 881 5653, Fax 971 4 881 6229  
Email: [info@naffco.com](mailto:info@naffco.com)  
[www.naffco.com](http://www.naffco.com)