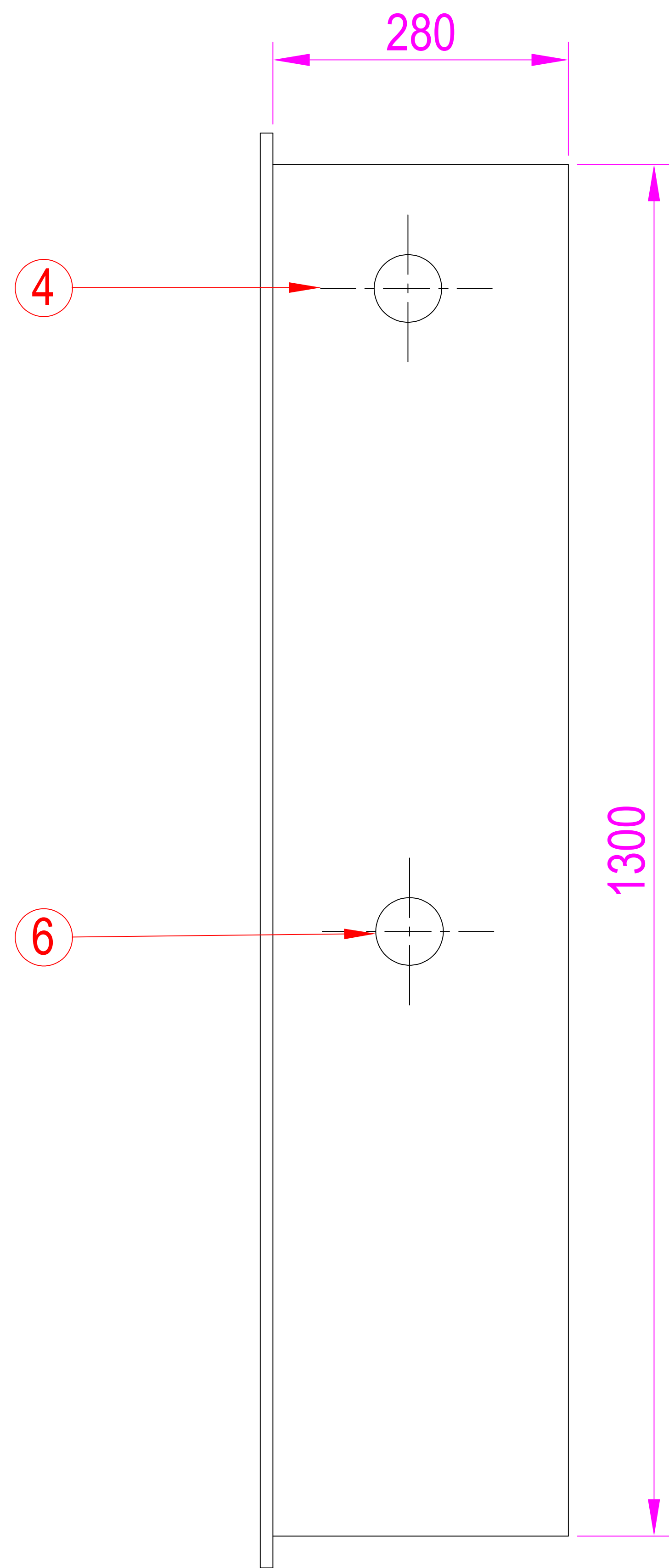
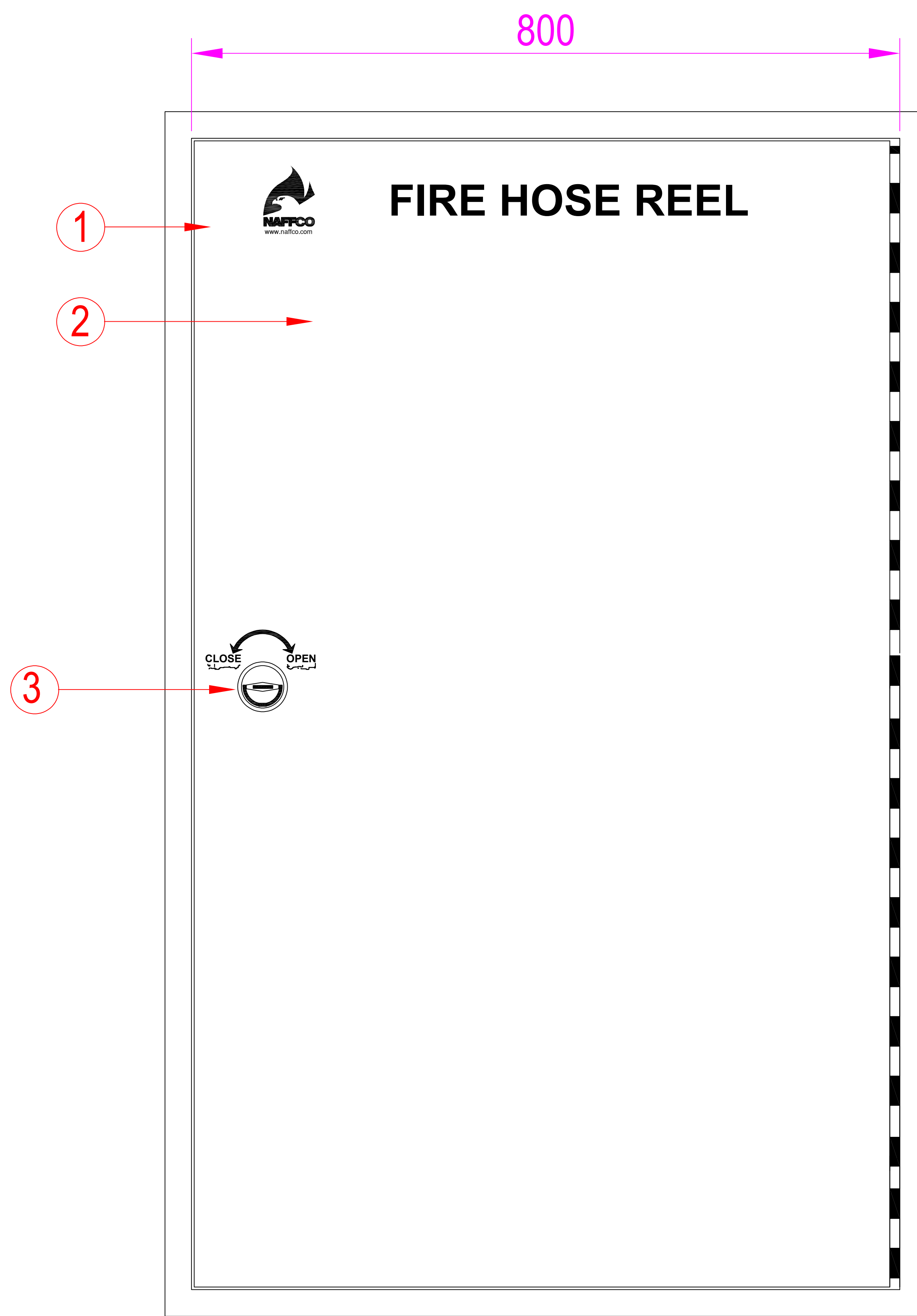




- NOTES :-
- 1. ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE NOTED
 - 2. LETTERS SCREEN PRINTING IN ARABIC AND ENGLISH.
 - 3. GENERAL TOLERANCE $\pm 3\text{mm}$

ITEM No:	DESCRIPTION	MATERIAL	QTY
1	CABINET RECESSED TYPE 1300(H) X 800(W) X 280(D)	1.2mm COMPLETE E.G. SHEET, RED (RAL 3000) POWDER COATED	1
2	SOLID DOOR	1.2mm E.G. SHEET, RED (RAL 3000) POWDER COATED	1
3	ROUND LOCK	NAFFCO STANDARD	1
4	1" KNOCK OUT HOLE	---	1
5	PIANO HINGES	STAINLESS STEEL	1
6	2.5" KNOCK OUT HOLE	---	1

FIRE PROTECTION BY

NAFFCO[®]

WORLD LEADERS IN FIRE PROTECTION SYSTEMS

N A F F C O MISR

NAFFCO MISR, Manufacturing Factory, North Expansion, Industrial zone, (E2) Engineering Square, 6th of October City, Egypt

WEBSITE : www.naffco.com

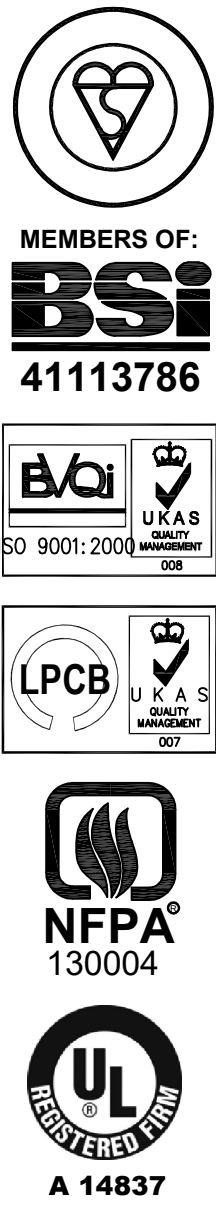
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TITLE

FIRE HOSE REEL CABINET

RECESSED TYPE ,COMPLETE G. STEEL SHEET, WITH SOLID DOORS

DRAWN.BY	CHKD.BY & APPD.BY	DATE	SCALE	REV.
Eng.ESRAA SALAMA	Eng.FATEMA ELHUSSEINY	13.01.2021	N.T.S.	0



SEMI-RIGID REEL HOSE

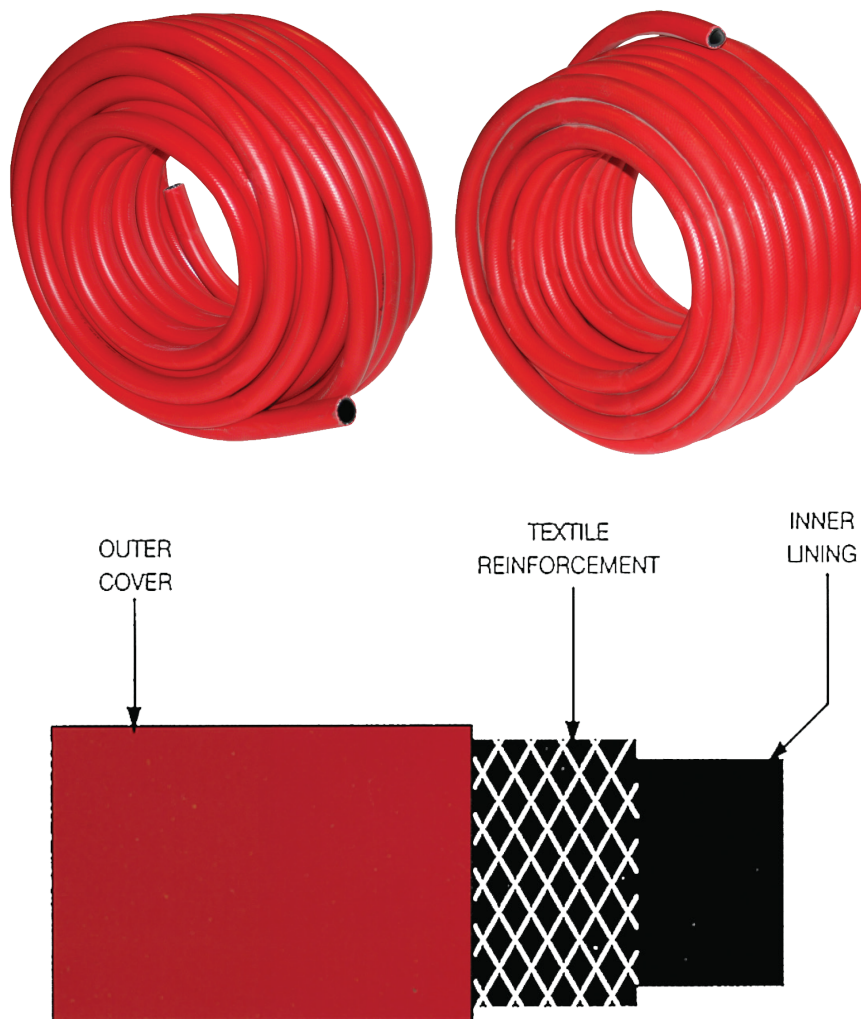
PRODUCT DESCRIPTION

NAFFCO semi-rigid reel hoses are suitable for use in fixed fire fighting system. The hoses are available in sizes of 19 mm and 25 mm inside diameter. The hoses are flexible so that it can be rolled and kept on a drum.

The hose are intended for use at a maximum working pressure of 12 bar (1.2 MPa) and temperature range of

-20°C to +60°C at ambient temperature condition in non aggressive or non-corrosive atmosphere.

The semi-rigid reel hoses are manufactured to comply with BSEN 694:2014 standards.



FEATURES

- Materials for inner lining and cover of hose are plasticized PVC compound
- High tensile textile polyester yarn is used for reinforcement of hose.

SPECIFICATION		
Hose Classification	Type A, Class 2	
Color of Hose	Red	
Bore	19mm	25mm
Length of Hose	30m	
Hydrostatic Properties		
Maximum Working Pressure	12 Bar	
Proof Pressure	24 Bar	
Burst Pressure	42 Bar	

FIRE HOSE REEL WITH SEMI-RIGID HOSE

PRODUCT DESCRIPTION

NAFFCO fire hose reels provide a very effective fire fighting facility with a continuous supply of water available immediately. The construction and performance of a fire hose reel with semi-rigid hose ensures suitable installation in buildings and other construction works for use by the

occupants. The fire hose reels are manufactured in both manual and automatic versions to comply to BS EN 671-1:2012 standard with semi-rigid hose complying with BSEN 694:2014 standards.



FEATURES

- BSI Kitemark and LPCB certified.
- The fire hose reels are capable of rotating in one plane (fixed type) or rotating in more than one plane with mounting on one of the following: swinging arm, swinging pipe or swinging door in manual and automatic version.
- The automatic fire hose reels will open fully within 3 revolution of the reel.
- The nozzle have SHUT, JET and SPRAY control settings.

- The minimum flow rate of hose reels in JET and SPRAY setting is 41 L/MIN. at 0.6 MPa (6 bar) pressure and setting in chrome plated rotary nozzle is 53Lpm at 0.6 Mpa (6 bar) pressure.
- The effective throw range of discharge at 0.2 MPa (2 bar) pressure is 10 mtrs. in JET setting.
- The reel discs are painted RED with printed user instructions.

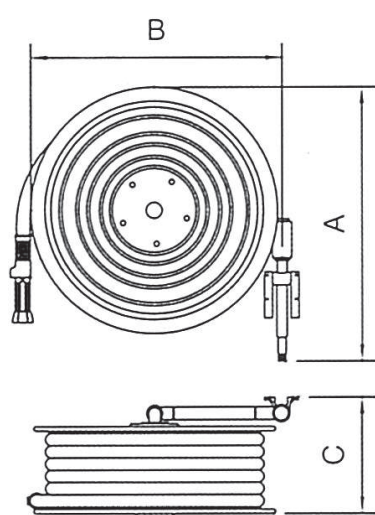
OPERATING INSTRUCTIONS

AUTOMATIC HOSE REELS

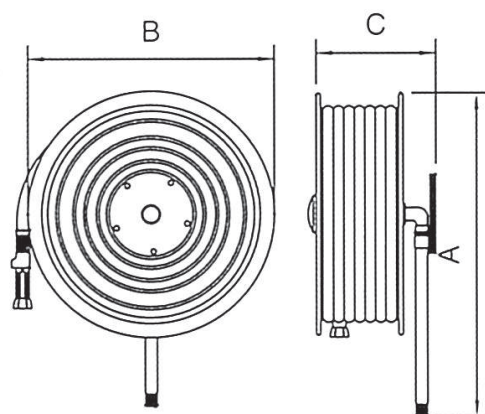
- Pull out the hose and then water flow will start within 3 rotations.
- Open nozzle, adjust to spray or jet as required.
- Aim nozzle at base of fire.
- After use, close the nozzle and rewind the hose, ensuring that it is properly wound around the hose reel (not overlapping side plates). Open the nozzle to drain water from the hose and then close the nozzle on completion.

MANUAL HOSE REELS

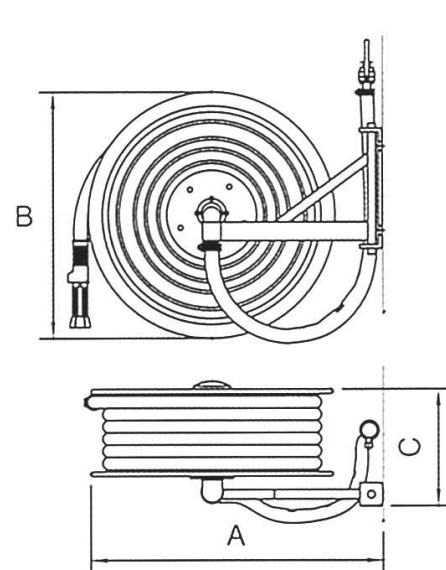
- Open the main valve fully.
- Pull out the hose.
- Open nozzle, adjust to spray or jet as required.
- Aim nozzle at base of fire.
- After use, close the nozzle, turn off the main valve, rewind the hose, ensuring that it is properly wound around the hose reel (not overlapping the side plates). Open the nozzle to drain water from the hose and then close the nozzle on completion.



SWINGING PIPE TYPE



FIXED TYPE



SWINGING ARM TYPE

FIRE HOSE REEL ASSEMBLY

Type	Model No.	Hose Diameter & Length	Reel Height (A in mm)	Reel Width (B in mm)	Reel Depth (C in mm)
Swinging Arm (Plastic Nozzle)	19 NFH-020M/SS	19mm (3/4") & 30m	645	550	205
Cabinet Mounted Manual (Brush / Mirror Finish)	25 NFH-020M/SS	25mm (1") & 30m	645	550	235
Swinging Arm (Brass chrome plated rotary Nozzle)	19 NFH-020M/SS-B	19mm (3/4") & 30m	645	550	205
Cabinet Mounted Manual (Brush / Mirror Finish)	25 NFH-020M/SS	25mm (1") & 30m	645	550	235
Swinging Arm (Plastic Nozzle)	19 NFH-020M	19mm (3/4") & 30m	645	580	205
Cabinet Mounted Manual (Red Painted)	25 NFH-020M	25mm (1") & 30m	645	580	235
Swinging Arm (Brass Chrome Plated Rotary Nozzle)	19 NFH-020M-B	19mm (3/4") & 30m	645	580	205
Cabinet Mounted Manual (Red Painted)	25 NFH-020M-B	25mm (1") & 30m	645	580	235
Swinging Arm (Plastic Nozzle)	19 NFH-020A/SS	19mm (3/4") & 30m	645	550	235
Cabinet Mounted Automatic (Brush / Mirror Finish)	25 NFH-020A/SS	25mm (1") & 30m	645	550	235
Swinging Arm (Brass Chrome Plated Rotary Nozzle)	19 NFH-020A/SS-B	19mm (3/4") & 30m	645	550	235
Cabinet Mounted Automatic (Brush / Mirror Finish)	25 NFH-020A/SS-B	25mm (1") & 30m	645	550	235
Swinging Arm (Plastic Nozzle)	19 NFH-020A	19mm (3/4") & 30m	645	580	235
Cabinet Mounted Automatic (Red Painted)	25 NFH-020A	25mm (1") & 30m	645	580	235

Type	Model No.	Hose Diameter & Length	Reel Height (A in mm)	Reel Width (B in mm)	Reel Depth (C in mm)
Swinging Arm (Brass Chrome Plated Rotary Nozzle)	19 NFH-020A-B	19mm (¾") & 30m	645	580	235
Cabinet Mounted Automatic (Red Painted)	25 NFH-020A-B	25mm (1") & 30m	645	580	235
Swinging Pipe (Plastic Nozzle)	19 NFH-030M/SS	19mm (¾") & 30m	665	550	200
Wall Mounted Manual (Brush / Mirror Finish)	25 NFH-030M/SS	25mm (1") & 30m	665	550	245
Swinging Pipe (Brass Chrome Plated Rotary Nozzle)	19 NFH-030M/ SS-B	19mm (¾") & 30m	665	550	200
Wall Mounted Manual (Brush / Mirror Finish)	25 NFH-030M/ SS-B	25mm (1") & 30m	665	550	245
Swinging Pipe (Plastic Nozzle)	19 NFH-030M	19mm (¾") & 30m	665	580	200
Wall Mounted Manual (Red Painted)	25 NFH-030M	25mm (1") & 30m	665	580	245
Swinging Pipe (Brass Chrome Plated Rotary Nozzle)	19 NFH-030M-B	19mm (¾") & 30m	665	580	200
Wall Mounted Manual (Red Painted)	25 NFH-030M-B	25mm (1") & 30m	665	580	245
Swinging Pipe (Plastic Nozzle)	19 NFH-030A/SS	19mm (¾") & 30m	665	550	250
Wall Mounted Automatic (Brush / Mirror Finish)	25 NFH-030A/SS	25mm (1") & 30m	665	550	250
Swinging Pipe (Brass Chrome Plated Rotary Nozzle)	19 NFH-030A/ SS-B	19mm (¾") & 30m	665	550	250
Wall Mounted Automatic (Brush / Mirror Finish)	25 NFH-030A/ SS-B	25mm (1") & 30m	665	550	250
Swinging Pipe (Plastic Nozzle)	19 NFH-030A	19mm (¾") & 30m	665	580	250
Wall Mounted Automatic (Red Painted)	25 NFH-030A	25mm (1") & 30m	665	580	250
Swinging Pipe (Brass Chrome Plated Rotary Nozzle)	19 NFH-030A-B	19mm (¾") & 30m	665	580	250
Wall Mounted Automatic (Red Painted)	25 NFH-030A-B	25mm (1") & 30m	665	580	250
Manual (Plastic Nozzle)	19 NFH-040M/SS	19mm (¾") & 30m	625	550	220
Fixed (Brush / Mirror Finish)	25 NFH-040M/SS	25mm (1") & 30m	625	550	265
Manual (Brass Chrome Plated Rotary Nozzle)	19 NFH-040M/ SS-B	19mm (¾") & 30m	625	550	220
Fixed (Brush / Mirror Finish)	25 NFH-040M/ SS-B	25mm (1") & 30m	625	550	265
Manual (Plastic Nozzle)	19 NFH-040M	19mm (¾") & 30m	625	580	220
Fixed (Red Painted)	25 NFH-040M	25mm (1") & 30m	625	580	265
Manual (Brass Chrome Plated Rotary Nozzle)	19 NFH-040M-B	19mm (¾") & 30m	625	580	220
Fixed (Red Painted)	25 NFH-040M-B	25mm (1") & 30m	625	580	265

SINGLE JACKET HOSE

A) UL LISTED HOSE

The 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.

The 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 (in.)	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 purposes. 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 provides good protection against the absorption of liquids and resistance of the reinforcement.

- Anti rot and anti twist.
- Hose with couplings are wound by Galvanized mild steel / SS wire.

APPLICATIONS

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

HOSE DATA

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

SPECIFICATIONS				
Model Number	Diameter (in.)	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.

2
 9
 6
 4
 1
 3
 7
 5
 8

JET & SPRAY NOZZLE

This durable, plastic nozzle produces a strong, concentrated jet of water that can fight fires in a most efficient way. Yet it is quickly and easily adjustable from a jet to a diffused spray, or a complete shut off.

SPECIFICATIONS	
Model No	: NF FB320
Body	: Polyamide tip with Aluminium Alloy inlet
Inlet Size	: Male Instantaneous coupling to BS 336 - 2010
Working Pressure	: 16 Bar
Flow Control	: Shut-Jet & Spray

* Kitemark & LPCB approved branchpipe available upon request.



NF FB320

WATER COMBINATION NOZZLES

These kinds of nozzles have been the trend in the Fire Service for several years to utilize greater water flow for initial attack. The most popular water delivery fire hoses are 1½" or 2½" with nozzle which flows from 490 to 1,020 LPM. It is also very convenient to use completed shut-off ball valve.

SPECIFICATIONS	
Model No	: NFL-13SPQ 1½" Ø
Flow Rate	: 490LPM @ 7 Bar
Model No.	: NFL-13BPQ 2½" Ø
Flow Rate	: 660 - 1020 LPM @ 7 Bar
Body	: Aluminium Alloy, Anodised
Inlet	: Male Instantaneous to BS 336 : 2010
Range	: 40-45M
Optional	: 1) NST threaded Inlet available upon request 2) Bronze construction Nozzles available upon request



NFL-13SPQ

DIFFUSER NOZZLE

Diffuser nozzle has an adjustable annular orifice which enables the jet of water to be controlled from shut-off to small jet through to large jet then to spray pattern by turning of the rubber sleeve.

SPECIFICATIONS	
Model No	: NWR 100
Body	: Copper Alloy
Inlet Size	: 2½" Ø
Flow Rate	: 120 Gpm @ 7 Bar
Model No.	: NWR 100A
Body	: Copper Alloy
Inlet Size	: 1½" Ø
Flow Rate	: 50 Gpm @ 7 Bar
Model No.	: NWR 101P
Body	: Plastic
Inlet Size	: 1½" Ø
Range	: 15 M



NWR 100

NWR 100A

NWR 101P

WATER CURTAIN NOZZLE

Water Curtain nozzle produces a strong, rain type pattern of water that can cool the surrounding areas and structures against flame spread.

SPECIFICATIONS	
Model No	: NF WC 380A
Flow Rate	: 380 LPM @ 7 Bar
Body	: Cast Bronze with Chrome Finish
Inlet	: 1½" Ø, NH Female Swivel Inlet



NF WC 380A

ABC DRY POWDER PORTABLE FIRE EXTINGUISHERS



0086



0086



CERTIFICATE NO:463
(Ref redbooklive.com)

FEATURES

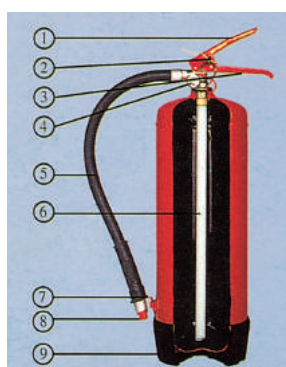
- Mono-ammonium phosphate based dry chemical agent. Capable of fighting Class A, B, C and E fires.
- Kitemark / LPCB certified to BS EN3.
- Cylinders compliance to council directive 2014/68/EU (PED) is certified by BSI (0086).
- Certified by BSI under marine equipment directive, 2014/90/EU
- High quality polyester paint.
- Controlled discharge.
- Brass nickel plated head valve with simple squeeze operation.
- Unique gauge testing system.
- Unique colour coded handle and base (optional).
- Rechargeable and easy to service.
- Choice of capacity from 1 to 12 kg.

***Ideal Use:** Houses, office, buildings, warehouses, farms, wood working area etc.

***Note:** Not recommended for use on expensive and delicate equipment like computers, etc.

Model Number	NP1	NP2	NP3/NP3x*	NP4	NP6	NP9	NP12
Extinguisher Capacity	1 kg	2 kg	3 kg	4 kg	6 kg	9 kg	12 kg
Propellant	95% Nitrogen + 5% Helium						
Fire Rating	8A 34B	13A 70B	21A 89B	21A 113B	34A 183B	43A 233B	55A 233B
Working Pressure	14 bar	14 bar	14 bar	15 bar	15 bar	15 bar	15 bar
Maximum Operating Pressure	18.5 bar @ 60°C						
Test Pressure	30 bar						
Total Weight	2.0 kg	3.7 kg	5.8 kg	7.5 kg	10 kg	14 kg	17.8 kg
Range of Discharge	4-5 m	5-7 m	6-7 m	7-8 m	6-8 m	6-8 m	6-8 m
Duration of Discharge	7-9 sec	10-12 sec	11-12 sec	13-15 sec	18-20 sec	22-24 sec	28-30 sec
Hose Length with Nozzle	N/A	N/A	395 mm	457 mm	534 mm	534 mm	617 mm
Operating Temperature	-20°C to +60°C						
Cylinder Material	CRCA Steel						
Height x Diameter (mm)	365 x 75	385 x 110	420 x 132	408 x 150	520 x 150	515 x 185	620 x 185

*LPCB Approved only.



1. Valve / Extn. Lever
2. Safety Pin with Chain
3. Valve Handle
4. Pressure Gauge
5. Discharge Hose
6. Syphon Tube
7. Hose Holder
8. Discharge Nozzle
9. PVC Base

