



# Protection with Reliability and Trust

A white rectangular box with a thin black border, containing the text '2018 Edition' in a bold, white, sans-serif font. The box is positioned over a blurred background image of firefighters.

**2018 Edition**



## NewAge



### Consisting of...



**NewAge**® was founded in the year of 1960 at Surendranagar, Gujarat and it has 5 decades of experience of manufacturing various kind of Fire Fighting Equipments and Fire Hoses. **NewAge**® Group has the factories spread over 50,000 sq. mtr. At Surendranagar. It has it's regional offices in New Delhi, Ahmedabad, Pune, Chennai, Kochi. Vadodara, Kolkata and Bangalore. **NewAge**® also sells its equipment's through through its efficient network of Distributors throughout India. Since last 45 years **NewAge**® is selling its product abroad as well and today exports the products to 60 countries. Since it's inception, **NewAge**® has grown to become the only manufacturer in the subcontinent to provide the complete range of Fire Fighting Equipments starting from Fire hoses, Hydrants, Water Foam Monitors, Foam Equipments to Fire Fighting Portable Pumps, Trailer Fire Pumps and Fire Vehicles and is the indisputably the leading manufacturer of these products. It is considered a benchmark in the fire industry due to it's consistent and quality based principle.

**NewAge**® group has acquired Jayshree Textiles – a division of India Rayon Corpn. , Aditya Birla Group in 2003 and Hose divn. Of one of the other International Co. in 2007 making **NewAge**® Group, Asia's largest production for the Fire Fighting Hoses with daily production capacity of 20,000 meters. **NewAge**® Group of Companies are backward integrated and fully self reliant for its production activities with own Foundry and Machine Shop with daily casting capacity of 2,000 Kilograms.

**NewAge**® has been a regular supplier of of approved quality goods to sectors like Oil and Gas, Chemical and Fertilizer, Power Plants, Aviation Industry. Construction , Port Trusts, Defense Establishments and other industries.

The group of companies employs about 500 people. It is a regular recipient of Export Excellence Awards for exporting the product to countries like Singapore, Malaysia, Kuwait, Myanmar, Indonesia, United Kingdom, Italy, Germany, Denmark, Belgium, Greece, Canada, Ireland, United States of America, South Africa, United Arab Emirates, Philippines etc.

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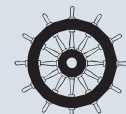
# Assurance



## QUALITY & COMPLIANCE

At **NewAge**® Group , when it comes to fire protection of people and property, there is no scope for error because we believe its our responsibility to be the good stewards of safety. For complete customer satisfaction and safety, quality is ingrained in our work and our values.

Since its inception, the Company endeavors to continually and effectively improve the quality of its products and services in accordance with the International standards. As a part of our quality policy, our fire equipment meet the ISO 9001:2008 guidelines and we are accredited by numerous National and International regulatory bodies for the remarkable quality of our work. At each phase of production, our quality control personnel rigorously tests and examines the performance and durability to present our customers with the finest portfolio of products. At **NewAge**®, we have a relentless passion for quality as we aim to make the community, a safer and better place to live.



# TRADE MARK CERTIFICATE

प्रारूप ओ - 2  
FORM O-2

सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

व्यापार चिन्ह रजिस्ट्री  
TRADE MARKS REGISTRY

क्रमांक  
No. 1176918

व्यापार चिन्ह अधिनियम, 1999  
Trade Marks Act, 1999

व्यापार चिन्ह के रजिस्ट्रीकरण का प्रमाणपत्र, धारा 23 (2) नियम 62 (1)  
Certificate of Registration of Trade Mark, Section 23 (2), Rule 62 (1)

व्यापार चिन्ह संख्या / Trade Mark No. 2192724 दिनांक / Date 19/08/2011 ज संख्या / J.No. 1609

यह प्रमाणित किया जाता है कि जिस प्रकार चिन्ह की समाकृति इसके साथ संलग्न है, वह  
के बारे में दिनांक ..... नाम से रजिस्ट्रीकृत हो चुका है।

Certified that the Trade Mark / a representation is annexed hereto, has been registered in the name(s) of  
SHRI JIMIT MAHESHKUMAR SHAH, AMBAWADI INDUSTRIAL ESTATE, SURENDRANAGAR - 363 001 - GUJARAT,  
SHRI ASHOKKUMAR MAHIPATLAL SHAH, SHRI NISHA JIGNESH SHAH, SHRI HEMANTKUMAR MAHIPATLAL SHAH,  
AN INDIAN NATIONAL PARTNERSHIP FIRM, Trading as : NEWAGE INDUSTRIES, MANUFACTURER AND  
MERCHANT, (Partnership Firm)

In Class 9 Under No. 2192724 as of the Date 19 August 2011 in respect of  
FIRE FIGHTING AND SAFETY TOOLS, APPLIANCES, ACCESSORIES, EQUIPMENTS AND FABRICATED  
STRUCTURES OF FIRE FIGHTING VEHICLES INCULDED IN CLASS-09.

व्यापार चिन्ह रजिस्ट्री  
TRADE MARKS REGISTRY

NEWAGE

रे निदेश पर आज के मास के वे दिन को इस पर मुद्रा लगायी गई।  
Sealed at my direction, this 07<sup>th</sup> day of July, 2014

व्यापार चिन्ह रजिस्ट्री  
Trade Marks Registry  
AHMEDABAD

Registrar of Trade Marks

रजिस्ट्रीकरण आवेदन की तारीख से 10 वर्ष के लिए है और तदुपरोक्त वह 10 वर्ष की कालावधि के लिए और प्रत्येक 10 वर्ष की कालावधि के अवसान पर भी नवीनीकृत किया जा सकेगा।  
Registration is for 10 years from the date of application and may then be renewed for a period of 10 years and also at the expiration of each period of 10 years.  
यह प्रमाणपत्र विधि कार्यवाहियों में प्रयोग के लिये या विदेश में रजिस्ट्रीकरण अभिप्राप्त करने के लिये नहीं है।  
This certificate is not for use in legal proceedings or for obtaining Registration abroad.  
टिप्पणी - इस व्यापार चिन्ह के स्वामित्व में कोई परिवर्तन होने पर, या कारोबार के मुख्य स्थान के पते में या भारत में तामील के लिये पते में परिवर्तन होने पर परिवर्तन के लिये आवेदन तुरन्त किया जाना चाहिये।  
Note : Upon any change of ownership of this Trade Mark, or change in address, of the principal place of business or address for service in India a request should AT ONCE be made to register the change.

## Mission

### Customer Satisfaction

- ◆ Product Quality
- ◆ On-Time Delivery
- ◆ Quick Response
- ◆ Inventory Stocking
- ◆ Value Added Services
- ◆ Online Support
- ◆ Delivery Reliability

### Operational Excellence

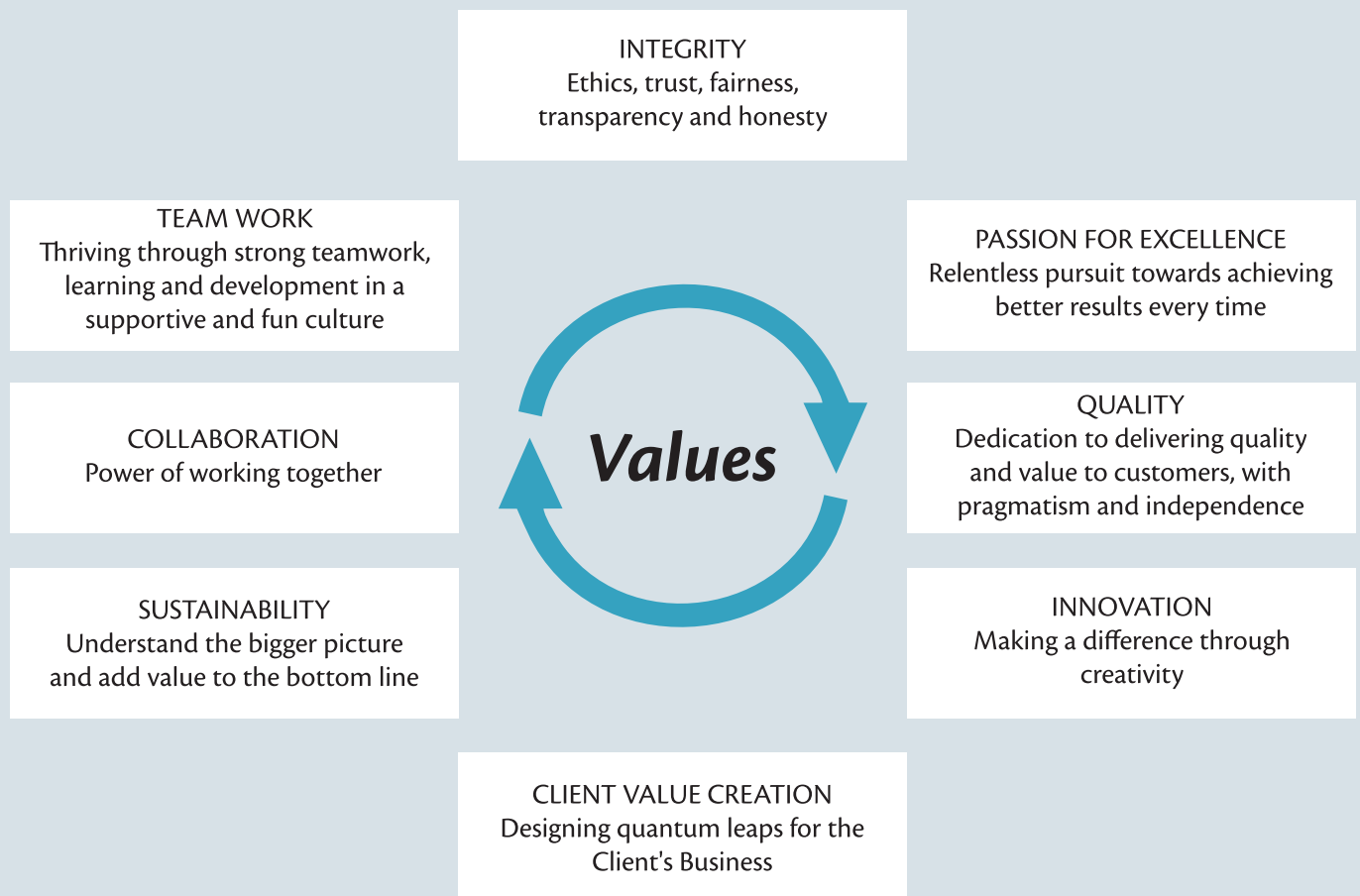
- ◆ Lean Management
- ◆ Product Design
- ◆ Real Time Operation
- ◆ ERP System Efficiency
- ◆ Effective Sales Management
- ◆ Efficient Logistics Management
- ◆ Continuous Improvement

### Competitiveness

- ◆ Strategic Procurement
- ◆ Integrated Manufacturing Network
- ◆ Vertical Integration Assemblies
- ◆ Innovation of Products New Emerging
- ◆ Manufacturing Technologies

### Vision Statement

- ◆ To Acquire and maintain global leadership position in chosen areas of businesses
- ◆ To continuously create new opportunities for growth in our strategic businesses
- ◆ To remain the top 10 most admired companies to work for in the industry



## MILESTONES OF NewAge

- ◆ 1962 - First order for Defense Establishment of India
- ◆ 1970 - Started the unit for manufacturing of Fire Hose
- ◆ 1970 - First order for Export of Fire Equipment
- ◆ 1993 - Started production of Type B Hose
- ◆ 1994 - Bagged order for 'Long Range High Velocity' Foam Monitor
- ◆ 2002 - Took over 'Jayshree Textiles' from Aditya Birla Group of Companies
- ◆ 2007 - Bought out textile division 'Lehavot Fire Protection, Israel'
- ◆ 2012 – Started manufacturing CE marked Hand Controlled Nozzles in India
- ◆ 2013 – Developed UL listed HVLR Monitor ( manual & remote controlled )
- ◆ 2015 – Developed portable Fire Pump with CE marking, Water Curtain Hose and Large Diameter Hose – to supplement Imported products
- ◆ 2015 – First in India to fix HVLR monitor over Fire Tender with 60 mtr. Vertical throw
- ◆ 2016 – First Co. to start Boom Tower manufacturing in India
- ◆ 2016 – Elevated Tower mounted Monitor
- ◆ 2016 – Developed Truck mounted Turbine operated Mist Fire Fighting System in India

## QUALITY RELIABILITY

- ◆ Quality Objectives
- ◆ Quality Policy
- ◆ Management Commitment
- ◆ Customer Related Processes
- ◆ Customer Focus
- ◆ Resource Management
- ◆ Design and Development
- ◆ Production and Service Provision
- ◆ Monitoring and Measurement
- ◆ Analysis of Data
- ◆ Corrective & Preventive Action
- ◆ Dispatch As Per Schedule



## Premier

### FIRE HOSE

- ◆ Premium quality Rubber lined Single Jacket Hose
- ◆ Circular woven Jacket made up of 100% Polyester yarn
- ◆ High Quality Synthetic EPDM Rubber Lining
- ◆ Light and Flexible, Sea Water and Weather Resistant, Ageing and Ozone Resistant
- ◆ ISI Marked
- ◆ UL Listed
- ◆ Germanischer Lloyd's Approved
- ◆ M.E.D. 96/98/EC Approved
- ◆ Conforming to BS 6391:2009 Type 1



Item Code # NFF-FH-PR

Diameter		Bursting Pressure		Working Pressure	
in mm	in inch	in bar	in psi	in bar	in psi
25	1	60	870	18	260
38	1 ½	60	870	18	260
45	1 ¾	60	870	18	260
52	2	55	800	17	250
65	2 ½	55	800	17	250
70	2 ¾	50	725	16	235
76	3	45	650	14	205
102	4	40	580	12	175
127	5	35	510	10	145
152	6	30	435	10	145

## Premier Extra

### FIRE HOSE

- ◆ Designed for Aggressive Fire Fighting Applications
- ◆ Circular woven Jacket made up of 100% Polyester yarn
- ◆ High Quality Synthetic EPDM Rubber Lining
- ◆ External Coating of specially formulated Synthetic Elastomer
- ◆ Heat and Abrasion Resistant
- ◆ ISI Marked
- ◆ Germanischer Lloyd's Approved
- ◆ M.E.D. 96/98/EC Approved
- ◆ Conforming to BS 6391:2009 Type 2
- ◆ Available Colors – Red, Yellow, Blue, Orange, Green, Black



Item Code # NFF-FH-PE

Diameter		Bursting Pressure		Working Pressure	
in mm	in inch	in bar	in psi	in bar	in psi
25	1	60	870	18	260
38	1 ½	60	870	18	260
45	1 ¾	60	870	18	260
52	2	55	800	17	250
65	2 ½	55	800	17	250
70	2 ¾	50	725	16	235
76	3	45	650	14	205
102	4	40	580	12	175
127	5	35	510	10	145
152	6	30	435	10	145



**Pyroprotect  
FIRE HOSE**



- ◆ Heavy Duty Fully Extruded “Thru-the-Weave” Delivery Hose
- ◆ 100% High Tenacity Polyester / Polyamide Circular Woven Reinforcement
- ◆ Embedded in a high quality special grade of Nitrile / PVC Rubber Compound
- ◆ Ribs on External Cover provides very high Abrasion Resistance and Ease of Handling
- ◆ Resistant to Oil, Fuel & Chemicals, Resistant to Kink
- ◆ Extremely Long Service Life
- ◆ Maintenance Free & Easy to Repair
- ◆ ISI Marked
- ◆ UL Listed
- ◆ Germanischer Lloyd's Approved
- ◆ M.E.D. 96/98/EC Ⓢ Approved
- ◆ BS 6391:2009 Type 3 - Kitemark Approved
- ◆ Available Colors – Red, Yellow, Blue, Black

Item Code # NFF-FH-PP

Diameter		Bursting Pressure		Working Pressure	
in mm	in inch	in bar	in psi	in bar	in psi
25	1	60	870	18	260
38	1 ½	60	870	18	260
45	1 ¾	60	870	18	260
52	2	55	800	17	250
65	2 ½	55	800	17	250
70	2 ¾	50	725	16	235
76	3	45	650	14	205
102	4	40	580	12	175
127	5	35	510	10	145
152	6	30	435	10	145

**Watershield  
FIRE HOSE**



- ◆ Forestry Light Weight, Self-Protecting, Attack Hose
- ◆ Circular woven Jacket made up of 100% Polyester yarn
- ◆ Smooth Rubberized Water Way for Uniform Controlled Percolation and Even Wetting
- ◆ Flame Resistant
- ◆ Also used in for Irrigation, Bush Fires any other Unmanned Areas
- ◆ ISI Marked
- ◆ Conforming to Australian Standard 2792-92, Canadian Standard ULC S519.1-95, New Zealand standard (NRFA) 1998

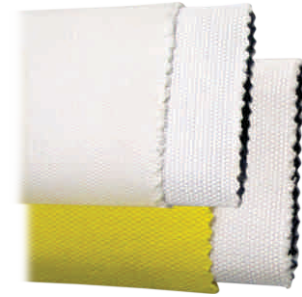
Item Code # NFF-FH-WS

Diameter		Bursting Pressure		Working Pressure	
in mm	in inch	in bar	in psi	in bar	in psi
25	1	50	725	18	260
38	1 ½	50	725	18	260
45	1 ¾	50	725	18	260
52	2	45	650	17	250
65	2 ½	45	650	17	250
70	2 ¾	45	650	15	220

## Premier DJ / Hydroline

### FIRE HOSE

- ◆ Double Jacketed Super Strong Premium Construction Hose
- ◆ Designed and manufactured for Fire Brigade and Heavy
- ◆ Industrial Fire Fighting applications where high water pressure is required
- ◆ Jackets are made of 100% polyester yarns, seamless woven on circular weaving looms
- ◆ Inner jacket has extruded tubing of EPDM polymer
- ◆ High Burst Pressure yet Excellent Flexibility
- ◆ Suitable for use with CAFS and Foam Solution
- ◆ Optional : Coating with Red Colored Synthetic Elastomer. Other Color available upon request
- ◆ Manufactured in accordance with NFPA 1961
- ◆ Conforming to UL 19 Standard



Item Code # NFF-FH-PDJ (Uncoated) & NFF-FH-HL (Coated)

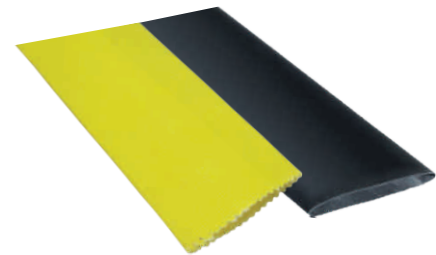
Diameter		Bursting Pressure		Working Pressure	
in mm	in inch	in bar	in psi	in bar	in psi
38	1 ½	84	1200	27	400
52	2	84	1200	27	400
65	2 ½	84	1200	27	400

## Hose Component

### FIRE HOSE

#### HOSE GUARD

- ◆ Made up of 100% Synthetic Polyester Yarn
- ◆ Protects Hose from Binding Wire
- ◆ Diameter from 15 mm up to 150 mm available diameters on request.
- ◆ Different colors and yarn types on request



#### RUBBER COVER

- ◆ Made up of 100% Synthetic Rubber
- ◆ Covers Binding Wire protecting the hands of personnel
- ◆ Diameter from 15 mm up to 150 mm

## Pyrofrac (Large Dia Hose)

### FIRE HOSE

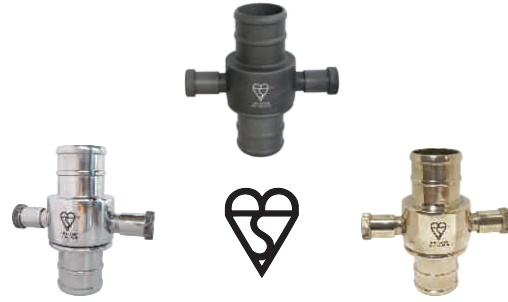
- ◆ 5 times abrasion resistance of Nitrile rubber hoses
- ◆ Extremely hard wearing and durable for long service life
- ◆ Resistance to oil, fuel and a wide range of chemicals
- ◆ Resistance to weathering and ozone
- ◆ Flexible and lightweight compared to mandril built hoses
- ◆ Excellent cold flexibility
- ◆ Quickly deployed and retrieved
- ◆ 50% higher puncture resistance than that of Nitrile rubber hose



Item Code # NFF-FH-FRC

ID		Wall Thickness		Weight	Working Pressure	Bursting Pressure	Tensile Pressure
Inch	mm	Inch	mm	Lbs/ft	PSI	PSI	Lbs
8"	204	0.17"	4.2	2.10	170	540	81,500
10"	254	0.17"	4.2	2.82	150	450	99,900
12"	305	0.18"	4.6	3.35	150	450	123,000

## Instantaneous COUPLING



- ◆ As per BS 336 and IS 903
- ◆ Body – Gunmetal / Aluminum Alloy / Stainless Steel
- ◆ Working Pressure – 10 bar
- ◆ Test Pressure – 23 bar
- ◆ Aluminum couplings available in natural polish as well as hard anodized
- ◆ Gunmetal couplings also available in Chrome finish

Item Code # NFF-CP-IS

Description	Types	Material of Construction
2.5" Inst x 38mm Hose Tail	Ribbed Multi - Serrated	Gunmetal Aluminum Alloy Stainless Steel
2.5" Inst x 45mm Hose Tail		
2.5" Inst x 52mm Hose Tail		
2.5" Inst x 64mm Hose Tail		
2.5" Inst x 70mm Hose Tail		
2" Inst x 64mm Hose Tail		
1.5" Inst x 38mm Hose Tail		

\*Few Models Available

## American Rocker Lug (NH) COUPLING



- ◆ Used with Single and Double Jacketed lined hose.
- ◆ Provides more strength
- ◆ Body – Gunmetal / Aluminum Alloy
- ◆ Complete with expansion rings and swivel washer

Item Code # NFF-CP-RL

Dia Size	Hose Tail	Material
1.5"	38mm	Gunmetal Aluminum Alloy
1.5"	45mm	
2.5"	38mm	
2.5"	45mm	
2.5"	52mm	
2.5"	64mm	
2.5"	70mm	
2.5"	75mm	

## Russian Gost COUPLING

Item Code # NFF-CP-GS

Dia Size	Hose Tail	Material
Gost 50	38mm	Gunmetal Aluminum Alloy
Gost 50	52mm	
Gost 70	38mm	
Gost 70	52mm	
Gost 70	64mm	
Gost 80	64mm	
Gost 80	75mm	



## Storz COUPLING

- ◆ Both halves on the coupling are identical so either half can be connected to any similar size coupling.
- ◆ Distance between locking ears should be same on all fittings
- ◆ Body – Gunmetal / Aluminum Alloy
- ◆ Max working pressure – 16 bar
- ◆ Coupling with reduced shank also available

Item Code # NFF-CP-ST

Size	Material
Storz Coupling for 1.5" Hose	Gunmetal Aluminum Alloy
Storz Coupling for 2" Hose	
Storz Coupling for 2.5" Hose	
Storz Coupling for 3" Hose	
Storz Coupling for 4" Hose	
Storz Coupling for 5" Hose	
Storz Coupling for 6" Hose	



## Suction COUPLING

- ◆ As per BS 336 / IS 902
- ◆ Body – Gunmetal / Aluminum
- ◆ Connection Threads – British Standard Round Thread

Item Code # NFF-CP-ST

Size	Material
3"	Gunmetal Aluminum Alloy
4"	
5"	
5.5"	



## Instantaneous ADAPTOR



- ◆ Material : Gun Metal / Aluminum Alloy
- ◆ Size : 1.5" / 2.5"
- ◆ Working Pressure : 10 Bar
- ◆ Hydro Test Pressure : 25 Bar

Item Code # NFF-ADP-1A

One End	Other End	Material of Construction
1.5" / 2.5" Male / Female Instantaneous	1.5" / 2.5" BSP / NST / NH / Male / Female Threads	Gunmetal
1.5" / 2.5" Male / Female Instantaneous	1.5" / 2.5" Male / Female Instantaneous	Aluminum Alloy

## Threaded ADAPTOR



- ◆ Material : Gun Metal or Aluminum Alloy
- ◆ Size : 1.5 / 2.5
- ◆ Working Pressure : 10 Bar
- ◆ Hydro Test Pressure : 25 Bar

Item Code # NFF-ADP-TA

One End	Other End	Material of Construction
1.5" / 2.5" BSP / NST / NH / Male / Female Threads	1.5" / 2.5" BSP / NST / NH / Male / Female Threads	Gunmetal
		Aluminum Alloy

## Blank Caps & Chain

### ADAPTOR

Item Code # NFF-ADP-BC&C

Size	Material of Construction
1.5" / 2.5" Male / Female Instantaneous	Gunmetal
2.5 Male Instantaneous	ABS / PVC
1.5" / 2.5" Storz	Gunmetal



## Storz

### ADAPTOR

Item Code # NFF-ADP-SA

One End	Other End	Material of Construction
1.5" / 2.5" Storz	1.5" / 2" / 2.5" BSP / NST / NH Male / Female Threads	Gunmetal



## Gost

### ADAPTOR

- ◆ Body : Gun Metal / Aluminum Alloy
- ◆ Size : 1.5" / 2.5"
- ◆ Working Pressure : 10 Bar
- ◆ Test Pressure : 25 Bar

Item Code # NFF-ADP-GA

One End	Other End	Material of Construction
1.5" / 2.5" Storz	1.5" / 2" / 2.5" BSP / NST / NH Male / Female Threads	Gunmetal



## Flange ADAPTOR



- ◆ Flange adaptors are either the standard flange adaptors or international shore adaptors.
- ◆ Standard flange adaptors basically are of 3 types – ANSI / Table D or PN16 flanges. These comes with any international adaptor.
- ◆ They are also available with NRV (optional)
- ◆ International Shore connections are based on a fixed flange size (178mm Diameter / 132mm PCD) and supplied with 19mm slots for fitting. They come with any international adaptor.

Item Code # **NFF-ADP-FA**

One End	Other End	Material of Construction
Flanges as per ANSI / PN16 / Table D	1.5" / 2" / 2.5" BSP / NPT / NH Male / Female threads	Gunmetal Aluminum Alloy
	1.5" / 2.5" Male / Female Instantaneous	

## BSRT ADAPTOR



Item Code # **NFF-ADP-BSRTA**

One End	Other End	Material of Construction
4" / 5" / 5.5" Male / Female BSRT	1.5" / 2" / 2.5" BSP / NST / NH Male / Female Threads	Gunmetal Aluminum Alloy
	1.5" / 2.5" Male / Female Instantaneous	
	4" / 5" / 5.5" Male / Female BSRT	

## Pumper ADAPTOR



Item Code # **NFF-ADP-PA**

Type	One End	Other End	Material of Construction
BSRT Pumper Adaptor	4" / 5" / 5.5" BSRT	Any Flange or 4" / 5" NPT threads	Gunmetal
Storz Pumper Adaptor	4" / 5" Storz	Any Flange or 4" / 5" NPT threads	Aluminum Alloy

## Collecting BREECHING

- ◆ Two or Multiple Hose Lines merged into Single Water Supply Line for Higher and effective Water delivery
- ◆ Standard version without Control arrangement
- ◆ Controlled versions are available with Spring loaded Non Return Valve, Ball Valve or Screw Down type valve for each dividing line
- ◆ Swivel Connection available on Request



Item Code # NFF-FT-CB

Inlet	Outlet	Connection	Lines	Material of Construction
4 Inch	4 Inch	British Standard Instantaneous	2 Way	Gunmetal Aluminium Alloy
3 Inch	3 Inch	Storz Coupling Russian GOST	3 Way	
2.5 Inch	2.5 Inch	American NST Rocker Lug BSRT Threaded	4 Way	

## Dividing BREECHING



- ◆ Single Water Supply Hose divided into Multiple Hose lines for enhanced water delivery
- ◆ Standard version without Control arrangement
- ◆ Controlled versions are available with Ball Valve or Screw Down type valve for each dividing line
- ◆ Swivel Connection available on Request

Item Code # NFF-FT-DB

Inlet	Outlet	Connection	Lines	Material of Construction
4 Inch	4 Inch	British Standard Instantaneous	2 Way	Gunmetal Aluminium Alloy
3 Inch	3 Inch	Storz Coupling Russian GOST	3 Way	
2.5 Inch	2.5 Inch	American NST Rocker Lug BSRT Threaded	4 Way	



## Oblique Flanged - FM Approved VALVE



Newage FM Landing Valve is used to form a complete Wet Riser System for intense high pressure Fire Fighting Applications.

Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-FM-GM	2 ½"	3" Flanged	2 ½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	700 PSI	Gunmetal
NFF-HV-FM-SS					Stainless Steel

## Oblique Flanged - ISI Marked VALVE



- ◆ Newage ISI Marked Landing Valve, as per IS:5290-1993, is designed for the primary Fire Fighting Application
- ◆ Body of the Valve and the Internals are tested at 300 psi or 21 Kg/cm<sup>2</sup>
- ◆ Compact with Excellent Flow Characteristics
- ◆ Generally conforming to BS:5041 Part 1

Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-OF-GM	2 ½"	3" Flanged	2½" Female Instantaneous	300 PSI	Gunmetal
NFF-HV-OF-SS					Stainless Steel
NFF-HV-OF-AL					Aluminum Alloy

## Double Headed Hydrant - ISI Marked VALVE



- ◆ Newage Double Headed Hydrant Valve are designed and manufactured as per IS:5290-1993
- ◆ Highly Durable and Corrosion Resistant
- ◆ Excellent Flow Characteristics

Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-DHV-GM	2 ½"	4" Flanged	2½" Female Instantaneous	300 PSI	Gunmetal
NFF-HV-DHV-SS					Stainless Steel

## Oblique Threaded VALVE

Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-OT-GM	1 ½" 2 ½" 3	3" Flanged	2½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	300 PSI	Gunmetal



## Bib Nose Type VALVE

Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-BN-GM	2 ½" 3	3" Flanged BSP (M) Thread NP (M) Thread	2½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	300 PSI	Gunmetal



## Right Angled Flanged VALVE

Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-RA-GM	2 ½"	3" Flanged BSP (M) Thread NP (M) Thread	2½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	300 PSI	Gunmetal



## Turn Down Flanged VALVE



Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-TD-GM	2 ½"	3" Flanged BSP (M) Thread NP (M) Thread	2½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	300 PSI	Gunmetal

## Straight VALVE



Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-ST-GM	2 ½"	3" Flanged BSP (M) Thread NP (M) Thread	2½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	300 PSI	Gunmetal

## Gate VALVE



Item Code	Size	Inlet	Outlet	Test Pressure	Material of Construction
NFF-HV-GV-GM	2 ½"	3" Flanged BSP (M) Thread NP (M) Thread	2½" Female Instantaneous / NH (M) / NST (M) / BSP (M) Threaded	300 PSI	Gunmetal

## Hose VALVE



Item Code	Description	Material of Construction
NFF-HV-HV-GM	1 ½" (F) NPT × 1 ½" (F) NST (NH)	Brass
	1 ½" (F) NPT × 1 ½" (M) NST (NH)	
	2 ½" (F) NPT × 2 ½" (F) NST (NH)	
	2 ½" (F) NPT × 2 ½" (M) NST	

## Class F Pressure Regulating

### VALVE

#### Item Code # NFF-LV-PRV

- ◆ The class F Pressure Regulating Valve combines features of a Hydrant Valve and Pressure Control Device.
- ◆ Designed for Applications like High Rise Buildings, High Pressure Lines in Oil & Gas, For Assemblies requiring different pressures for Optimum working, Long Water Mains etc
- ◆ Helps in maintaining Uniform Range of Outlet Pressure irrespective of its Location Eliminates the problems faced by the Fire Fighters of sudden surge and decline in pressure
- ◆ hindering the effective control of Hose Line.
- ◆ Expensive Pressure Relief Piping is eliminated
- ◆ Field Adjustable Pressure Regulator that could be tuned to meet Individual Floor level pressure requirements.
- ◆ Spring loaded Balanced Pressure reducing Mechanism.
- ◆ The main advantage of Pressure Regulating Valve is controlled outlet pressure irrespective of Inlet Pressure without compromising the Flow
- ◆ Gunmetal Construction for Corrosion Resistance and Sea Water Application
- ◆ Design and Construction confirming to BS:5041

#### Pressure Range

**Outlet** : 4.1 - 5.5 Bar (60 - 80 Lbs/in<sup>2</sup>)

5.5 - 8.3 Bar (80 - 120 Lbs/in<sup>2</sup>)

**Inlet** : 4.8 - 20.7 Bar (70 - 300 Lbs/in<sup>2</sup>)

#### Connections

**Outlet** : 2 ½" Instantaneous female coupling to BS: 336.

**Inlet** : (a) 1 ½" Flanged inlet suitable for ANSI · 150 Lbs· BS 4504 · Pn16· BS · 10 Table "H" or DIN·ND16  
(b) 2 ½" Flanged inlet suitable for ANSI · 150 Lbs· BS 4504 · Pn16· BS · 10 Table "H" or DIN·ND16  
Blank Cap and Chain fitted as standard



## Pressure Restricting

### VALVE

#### Item Code # NFF-LV-PRT

- ◆ Designed to reduce excess line Pressure.
- ◆ Simple and can be used a stand-alone pressure restricting device
- ◆ The opening of the Valve is Controlled which restricts the volume of water and thereby lowers the pressure of water
- ◆ Valves are similar to Standard Landing valves but with a specially designed mechanism incorporated into the stem and bonnet to limit how far the valve can be opened. The valve design has no ability to reduce outlet pressure under no-flow conditions.
- ◆ If low supply pressure conditions should arise the adjustable gauge stem can be overridden by removal of stop pin that would allow full opening of the valve and unrestricted flow of water.
- ◆ Unlike pressure regulating type valves, pressure restricting valves have no effect on the static pressure of a system.
- ◆ Gunmetal Construction for Corrosion Resistance and Sea Water Application
- ◆ Available in Valve Size 1.5 Inches and 2.5 Inches
- ◆ Inlet – Flanged or Threaded
- ◆ Outlet – Threaded / British Standard Instantaneous / Russian Gost / Storz



## 2 Way Inlet BREECHING



- ◆ Body : Gun Metal or Aluminum Alloy or Cast Iron
- ◆ Inlet : Two Instantaneous with NRV
- ◆ Outlet : 4" Flanged
- ◆ Working Pressure : 10 Bar
- ◆ Test Pressure : 23 Bar

Item Code	Description
NFF-DRE-2W	Two way inlet Breeching made in Gun Metal
	Two way inlet Breeching made in Aluminum Alloy
	Two way inlet Breeching made in SGI / CI

## 3 Way Inlet BREECHING



- ◆ Body : Gun Metal or Aluminum Alloy or Cast Iron
- ◆ Inlet : Three Instantaneous with NRV
- ◆ Outlet : 6" Flanged
- ◆ Working Pressure : 10 Bar
- ◆ Test Pressure : 23 Bar

Item Code	Description
NFF-DRE-3W	Three way inlet Breeching made in Gun Metal
	Three way inlet Breeching made in Aluminum Alloy
	Three way inlet Breeching made in SGI / CI

## 4 Way Inlet BREECHING



- ◆ Body : Gun Metal or Aluminum Alloy or Cast Iron
- ◆ Inlet : Four Instantaneous with NRV
- ◆ Outlet : 6" Flanged
- ◆ Working Pressure : 10 Bar
- ◆ Test Pressure : 23 Bar

Item Code	Description
NFF-DRE-4W	Four way inlet Breeching made in Gun Metal
	Four way inlet Breeching made in Aluminum Alloy
	Four way inlet Breeching made in SGI / CI

## Air Release VALVE



- ◆ Body : Copper Alloy
- ◆ Inlet Connection : Threaded male Connection

Item Code	Description
NFF-DRE-ARV	Inlet Connection with 3/8" BSP
	Inlet Connection with 1" BSP

## 200 PSI - OS & Y Type Flanged End

### GATE VALVE

#### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Norminal Pressure: 200 PSI
- ◆ Flange Standard: ANSI B16.1 Class 125 or according to the customer's requirements
- ◆ Both inside and outside of the body need Epoxy Resin Coating

#### Available Sizes

Size 2" 2 ½" 3" 4" 5" 6" 8" 10" 12"



Model No.: NI-GVO-200FF

## 200 PSI - OS & Y Type Flanged End

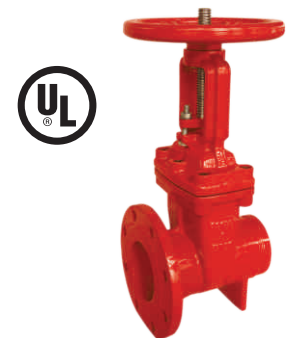
### GATE VALVE

#### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Norminal Pressure: 200 PSI
- ◆ Flange Standard: ANSI B16.1 Class 125 or according to the customer's requirements
- ◆ Groove Standard: Metric or AWWA C606
- ◆ Both inside and outside of the body need Epoxy Resin Coating

#### Available Sizes

Size 2" 2 ½" 3" 4" 5" 6" 8" 10" 12"



Model No.: NI-GVO-200FG

## 200 PSI - OS & Y Type Grooved End

### GATE VALVE

#### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Norminal Pressure: 200 PSI
- ◆ Groove Standard: Metric or AWWA C606
- ◆ Both inside and outside of the body need Epoxy Resin Coating

#### Available Sizes

Size 2" 2 ½" 3" 4" 5" 6" 8" 10" 12"



Model No.: NI-GVO-200CG

## 200 PSI NRS Type Flanged End

### GATE VALVE

#### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Nominal Pressure: 200 PSI
- ◆ Flange Standard: ANSI B16.1 Class 125 or according to the customer's requirements
- ◆ Both inside and outside of the body need Epoxy Resin Coating
- ◆ It could also be operated by the handwheel

#### Available Sizes

Size 2 ½" 3" 4" 5" 6" 8" 10" 12"



Model No.: NI-GVN-200FF



Model No.: NI-GVN-200FG

## 200 PSI - NRS Type Grooved GATE VALVE

### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Nominal Pressure: 200 PSI
- ◆ Flange Standard: ANSI B 16.1 Class 125 or according to the customer's requirements
- ◆ Groove Standard: Metric or AWWA C606
- ◆ Both inside and outside of the body need Epoxy Resin Coating
- ◆ It could also be operated by the handwheel

### Available Sizes

Size	2 ½"	3"	4"	5"	6"	8"	10"	12"
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Model No.: NI-GVN-200GG

## 200 PSI NRS Type Grooved End GATE VALVE

### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Nominal Pressure: 200 PSI
- ◆ Groove Standard: Metric or AWWA C606
- ◆ Both inside and outside of the body need Epoxy Resin Coating
- ◆ It could also be operated by the handwheel

### Available Sizes

Size	2 ½"	3"	4"	5"	6"	8"	10"	12"
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Model No.: NI-GVO-300FF

## 300 PSI - OS & Y Type Flanged End GATE VALVE

### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Nominal Pressure: 300 PSI
- ◆ Flange Standard: ANSI B 16.1 Class 125 or according to the customer's requirements
- ◆ Both inside and outside of the body need Epoxy Resin Coating

### Available Sizes

Size	2 ½"	3"	4"	5"	6"	8"	10"	12"
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Model No.: NI-GVN-300FF

## 300 PSI NRS Type Flanged End GATE VALVE

### Technical Specifications

- ◆ Design Standard: AWWA C515
- ◆ Nominal Pressure: 300 PSI
- ◆ Flange Standard: ANSI B16.1 Class 125 or according to the customer's requirements
- ◆ Both inside and outside of the body need Epoxy Resin Coating
- ◆ It could also be operated by the handwheel

### Available Sizes

Size	2 ½"	3"	4"	5"	6"	8"	10"	12"
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## Wafer Type

### BUTTERFLY VALVE

**Model No.:** NI-BVW

- Working Pressure: 300 PSI (21 Bars)
- Working Temp: -20 °C ~ 110 °C (-4 °F ~ 230 °F)



#### Carried Standard

Design Standard	API609
Face to Face Standard	ASME B16.1
Top Standard	ISO 5211
Test Standard	UL Listed

#### Available Sizes

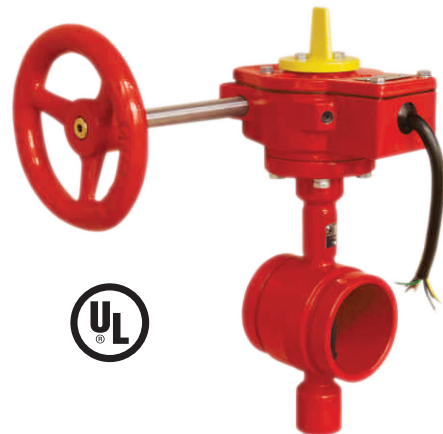
Size	2 ½"	3"	4"	5"	6"	8"	10"	12"
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## Grooved Type

### BUTTERFLY VALVE

**Model No.:** NI-BVG

- Working Pressure: 300 PSI (21 Bars)
- Working Temp: -20 °C ~ 110 °C (-4 °F ~ 230 °F)



#### Carried Standard

Design Standard	API609
Groove Standard	ANSI / AWWA C606
Top Standard	ISO 5211
Test Standard	UL Listed

#### Available Sizes

Size	2 ½"	3"	4"	5"	6"	8"	10"	12"
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**Model A**  
**HOSE BOX**



- ◆ Suitable for storing 7.5 Mtr. or 15 Mtr. Single Hose
- ◆ 24" × 24" × 10"
- ◆ Lightweight
- ◆ Weatherproof
- ◆ Wall Mounted with M.S. Stand
- ◆ Finished with P.O. Red Color or Natural

**Item Code # NFF-CB-HC-A**

Item Code	Description
NFF-CB-HC-A	Made in FRP with Wall Mounting Type
	Made in FRP with Self Standing Type
	Made in 18 SWG CRCA Sheet with Wall Mounting Type
	Made in 18 SWG CRCA Sheet with Self Standing Mounting Type

**Model B**  
**HOSE BOX**



- ◆ Suitable for storing two nos 7.5 mtr. or 15 mtr. hoses and one Nozzle
- ◆ M.S. Hose Box - 24" × 24" × 10" / 30" × 24" × 10" / 32" × 24" × 10"
- ◆ FRP Hose Box - 30" × 24" × 10" / 32" × 24" × 10"
- ◆ Lightweight
- ◆ Weatherproof
- ◆ Wall Mounted with M.S. Stand
- ◆ Finished with P.O. Red Color

**Item Code # NFF-CB-HC-B**

Item Code	Description
NFF-CB-HC-B	Made in FRP with Wall Mounting Type
	Made in FRP with Self Standing Type
	Made in 18 SWG CRCA Sheet with Wall Mounting Type
	Made in 18 SWG CRCA Sheet with Self Standing Mounting Type

**Model C**  
**HOSE BOX**



- ◆ Suitable for storing two nos 25 mtr. or 30 mtr. hoses and one Nozzle
- ◆ 46" × 32" × 10"
- ◆ Lightweight
- ◆ Weatherproof
- ◆ Wall Mounted or Self-Standing (M.S. and S.S. Stand) Type
- ◆ Finished with P.O. Red Color

**Item Code # NFF-CB-HC-C**

Item Code	Description
NFF-CB-HC-C	Made in FRP with Wall Mounting Type
	Made in FRP with Self Standing Type
	Made in 18 SWG CRCA Sheet with Wall Mounting Type
	Made in 18 SWG CRCA Sheet with Self Standing Mounting Type

## Foam Station Cabinet

### HOSE BOX

- ◆ 2 nos 2 ½" × 30 mtr fire hose with Aluminium coupling
- ◆ 150 ltr FRP foam tank
- ◆ 2 ½" BSP threaded inlet
- ◆ One Low expansion branch pipe of 60 GPM capacity
- ◆ 60 GPM @ 100 PSI Foam Inductor adjustable 3% to 6%
- ◆ S.S. pick up tube
- ◆ Cabinet made for 1.6mm CRCA sheet
- ◆ Finished by P.O. Red color

**Item Code # NFF-CB-FSC**



## Hose Reel Cabinet

### HOSE BOX

- ◆ Wall Mounting Type
- ◆ For Swinging Hose Reel & Fixed Hose Reel
- ◆ Made Out From 1.6mm CRCA Sheet
- ◆ 27 ½" × 31 ½" × 15 ½"/29" × 41" × 16"
- ◆ Threaded Inlet
- ◆ Finished by P.O. Red Color

**Item Code # NFF-CB-HRC**



## Hose Rack Assembly

### HOSE BOX

- ◆ Available in Two Sizes
- ◆ Available in Two Types of Mounting
- ◆ Complete with Hose Rack Assembly- 30 Mtr Hose, Nozzle and Landing Valve and Nozzle
- ◆ Fixed or Swinging

Item Code	Description
NFF-CB-HRA	Hose Rack Assembly for 1 ½" Hose Right Angle Valve Mounting
	Hose Rack Assembly for 2 ½" Hose Right Angle Valve Mounting
	Hose Rack Assembly for 1 ½" Hose with Wall Mounting Bracket and without Landing Valve
	Hose Rack Assembly for 2 ½" Hose with Wall Mounting Bracket and without Landing Valve



## Fixed Type HOSE REEL



- ◆ Corrosion-free Water Ways
- ◆ Red Powder Coated Finishing
- ◆ Compact space design
- ◆ Available Hose – Rubber / Thermoplastic / PVC
- ◆ Operating Pressure – 12 Bar

Item Code	Hose Reel Material	Hose Diameter	Hose Length	Shut Off Nozzle
NFF-HR-FT	Galvanized Steel	¾"	30 m.	PVC
	Stainless Steel Gr. 304	1"	36 m.	Gunmetal
			40 m.	
	Stainless Steel Gr. 316	1 ½"	45 m.	Stainless Steel

## Swinging Type HOSE REEL



- ◆ Designed and Constructed in conformance to IS 884
- ◆ Aluminum Alloy Corrosion-free Water Ways
- ◆ Red Powder Coated Finishing
- ◆ Compact space design
- ◆ Manual swing type with 180° swivel
- ◆ Available Hose – Rubber / Thermoplastic / PVC
- ◆ Operating Pressure – 12 Bar

Item Code	Hose Reel Material	Hose Diameter	Hose Length	Shut Off Nozzle
NFF-HR-ST	Galvanized Steel	¾"	30 m.	PVC
	Stainless Steel Gr. 304	1"	36 m.	Gunmetal
			40 m.	
	Stainless Steel Gr. 316	1 ½"	45 m.	Stainless Steel

## Stand Mounted HOSE REEL



- ◆ Material – Galvanized Steel / Stainless Steel Gr. 304 / Stainless Steel Gr. 316
- ◆ Threaded / Flanged Inlet Connection
- ◆ Waterway made up from Corrosion Free Material
- ◆ Red Powder Coated Finishing
- ◆ Pedestal Bearing ensures smooth Rotational function
- ◆ Available Hose – Rubber / Thermoplastic / PVC
- ◆ Operating Pressure – 12 Bar

Item Code	Hose Reel Material	Hose Diameter	Hose Length	Jet Cum Spray Nozzle
NFF-HR-SM	Galvanized Steel	¾"	30 m.	Gunmetal Aluminium Alloy
			36 m.	
	Stainless Steel Gr. 304	1"	40 m.	
			Stainless Steel Gr. 316	
	60 m.			

## Hose Reel with Foam Station

### HOSE REEL

- ◆ Complete with Foam tank, Foam Inductor, Hose reel with nozzle Threaded / Flanged Inlet Connection
- ◆ Pedestal Bearing ensures smooth rotating action
- ◆ 225 Liter foam tank. Other sizes available on request
- ◆ Inline inductor 0 to 6% & Jet-Spray nozzle
- ◆ Waterways made from Stainless Steel & Gun Metal Recommended Hose – Rubber Braided Hose
- ◆ Detachable Rewinding Handle Red Powder Coated Finishing
- ◆ Operating pressure – 12 Bar



Item Code	Hose Reel Material	Hose Diameter	Hose Length	Jet Cum Spray Nozzle	
NFF-HR-FS	Galvanized Steel	¾"	30 m.	Gunmetal Aluminium Alloy	
			36 m.		
	Stainless Steel Gr. 304	1"	40 m.		
			Stainless Steel Gr. 316		45 m.
					60 m.

## PVC Nozzle

### HOSE REEL

- ◆ Jet Spray Type
- ◆ Strong and Corrosion Free
- ◆ Serrated end for hose fitting
- ◆ 16 GPM @100 PSI

Item Code	Description
NFF-HR-NZ-PVC	With ¾" Serrated End
	With 1" Serrated End

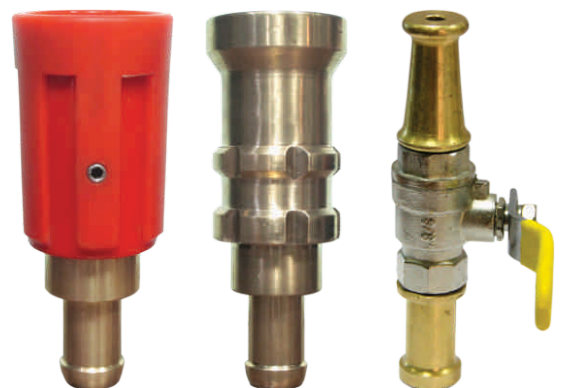


## Gunmetal Nozzle

### HOSE REEL

- ◆ Construction in Gunmetal as BS1400
- ◆ Jet spray & shut off type
- ◆ Chrome plated finish (Optional)
- ◆ Also available in Stainless Steel Gr. 304

Item Code	Description
NFF-HR-NZ-GM	With ¾" Serrated End
	With 1" Serrated End



## PVC Hose HOSE REEL



- ◆ Made up of High quality PVC Polymer
- ◆ Light in weight and Durable

Item Code	Hose Diameter	Hose Length	Hose Colour
NFF-HR-H-PVC	¾" 1"	30 m.	Red Black
		36 m.	
		40 m.	

## Rubber Hose HOSE REEL



- ◆ High pressure braided rubber hose as per IS: 444 Type I, Type II & Type III
- ◆ For water delivery purpose in Railways, Industries, Dams, Mines, Horticulture, Irrigation, Fire fighting, Construction Sites, Car Washing, De-watering etc.

Item Code	Hose Diameter	Hose Length	Hose Colour
NFF-HR-H-R	¾" 1" 1 ½"	30 m.	Red Black
		36 m.	
		40 m.	
		45 m.	

## Thermoplastic Hose HOSE REEL



- ◆ Made up of Special grade Thermoplastic Hybrid Compound
- ◆ Light Weight, High Pressure, Flame Resistant, Long Shelf Life

Item Code	Hose Diameter	Hose Length	Hose Colour
NFF-HR-H-TP	¾" 1"	30 m.	Red Black
		36 m.	
		40 m.	

## One Way

### STANDPOST

- ◆ Body : Carbon Steel
- ◆ Inlet : 4" Flanged
- ◆ Outlet : 1 nos of 2 ½" Flanged
- ◆ Working Pressure : 150 PSI
- ◆ Test Pressure : 325 PSI

Item Code	Description
NFF-SPH-OW	Made up of Carbon Steel having 4" Flanged Inlet and 2½" Flanged Outlet



## Two Way

### STANDPOST

- ◆ Body : Carbon Steel
- ◆ Inlet : 4" / 6" Flanged
- ◆ Outlet : 2 nos of 3" Flanged  
Optional, 1 Nos. of 4" Flanged Outlet for Monitor
- ◆ Working Pressure : 150 PSI
- ◆ Test Pressure : 325 PSI

Also available with Pumper Connection & Landing Valves

Item Code	Description
NFF-SPH-TW	Made up of Carbon Steel having 4" Flanged. Pumper connection & Valve available



## Four Way

### STANDPOST

- ◆ Body : Carbon Steel
- ◆ Inlet : 6" Flanged
- ◆ Outlet : 4 nos of 2 ½" Flanged
- ◆ Working Pressure : 150 PSI
- ◆ Test Pressure : 325 PSI

Also available with Pumper Connection & Landing Valves

Item Code	Description
NFF-SPH-4W	Made up of Carbon Steel having 6" flanged inlets and 4 Nos. flanged outlets Optionally, With Pumper connection & Valve



## Four Way (Cross Arm Type) STANDPOST



- ◆ Body : Carbon Steel / Cast Iron
- ◆ Inlet : 6" Flanged
- ◆ Outlet : 4 nos of 2.5" Threaded / 2.5" Flanged
- ◆ Working Pressure : 150 PSI
- ◆ Test Pressure : 325 PSI
- ◆ Landing Valve (Optional) : 2.5" Threaded / Flanged Landing Valve with BS 336 Female Instantaneous Outlet

Item Code	Description
NFF-SPH-4WCA	Made up of Carbon Steel having 6" flanged inlets and 4 Nos. flanged outlets Optionally, With Pumper connection & Valve

## Dry Barrel Pillar Hydrant STANDPOST



Dry Barrel Pillar Hydrant is operated by using a hydrant wrench to turn the operating mechanism at the top of the hydrant. Available in 4" size.

- ◆ Body : Cast Iron
- ◆ Valve Seat : Neoprene Rubber
- ◆ Valve Seat Ring : Gunmetal
- ◆ Outlet : 2 nos of 2 ½" Gunmetal Female Instantaneous & 1 Nos. of 4" Pumper Connection
- ◆ Working Pressure : 150 PSI
- ◆ Test Pressure : 325 PSI

Item Code	Description
NFF-SPH-DB	Made up of Cast Iron Casting having 2 x 2 ½" Female instantaneous Outlet & 1 x 4" Pumper Connection

## Single

### STANDPIPE

- ◆ Body : Aluminum
- ◆ Inlet : Threaded BSRT / (F) Inst.
- ◆ Outlet : Female Instantaneous as per BS 336
- ◆ Working Pressure : 150 PSI
- ◆ Body Test : 325 PSI

Item Code	Description
NFF-SPH-SP	Aluminum body with Single outlet



## Double

### STANDPIPE

- ◆ Body : Aluminum
- ◆ Inlet : Threaded BSRT / (F) Inst.
- ◆ Outlet : Female Instantaneous as per BS 336
- ◆ Working Pressure : 150 PSI
- ◆ Body Test : 325 PSI

Item Code	Description
NFF-SPH-SP	Aluminum body with Single outlet





## Underground HYDRANT & KEY



- ◆ Body : Grey Cast Iron
- ◆ Inlet : Flanged
- ◆ Outlet : Gun Metal Threaded Outlet
- ◆ Working Pressure : 150 PSI
- ◆ Seat Test : 240 PSI
- ◆ Body Test : 325 PSI

Item Code	Description
NFF-SPH-UG	Outlet as 2 ½" BSRT Male
	Outlet as 2 ½" Inst. Male

- ◆ MS / Aluminum
- ◆ Used for operation of Under Ground Hydrant

Item Code	Description
NFF-SPH-HK	Made in Steel / Aluminum Alloy

## Duck Foot Band HYDRANT & KEY



- ◆ Body - Grey Cast Iron to BS 1452
- ◆ Flanged Inlet and Outlet - 4" BS Table 10 E Flange

## Surface Box HYDRANT & KEY



- ◆ Cast Iron
- ◆ Length 15" x width 9" x Height 5"

Item Code	Description
NFF-SPH-SB	Made in SGI

## Short

### BRANCH PIPE

- ◆ Type – Solid Jet Nozzle
- ◆ Material – Gunmetal / Aluminum Alloy / Stainless Steel
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Polish

Item Code # NFF-BP-SB

Nozzle Tip Size	Available Material of Construction	Available Inlet Size
15mm	Gunmetal	2.5" Male Inst
20mm	Aluminum Alloy	2.5" BSP / NPT / NH Threads
25mm	Stainless Steel	2.5" Storz



## Long

### BRANCH PIPE

- ◆ Type – Solid Jet Nozzle
- ◆ Material – Gunmetal / Aluminum Alloy / Stainless Steel
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Polish

Item Code # NFF-BP-LB

Nozzle Tip Size	Available Material of Construction	Available Inlet Size
15mm	Gunmetal	2.5" Male Inst
20mm	Aluminum Alloy	2.5" BSP / NPT / NH Threads
25mm	Stainless Steel	2.5" Storz



## Triple Purpose

### BRANCH PIPE

- ◆ Type – Jet - Spray - Shut Off Nozzle
- ◆ Material – Gunmetal / Aluminum Alloy / Stainless Steel
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Polish / Chrome Plated

Item Code # NFF-BP-TP

Flow (LPM)	Available Material of Construction	Available Inlet Size
600 LPM	Gunmetal	2.5" Male Inst
	Aluminum Alloy	2.5" BSP / NPT / NH Threads
900 LPM	Stainless Steel	2.5" Storz



## Navy Diffuser BRANCH PIPE



- ◆ Type – Jet - Spray - Shut Off Nozzle
- ◆ Material – Gunmetal / Aluminum Alloy / Stainless Steel
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Polish / Chrome Plated

Item Code # **NFF-BP-ND**

Flow (LPM) @ 7 Bar	Available Material of Construction	Available Inlet Size
400 LPM	Gunmetal	2.5" Male Inst 2.5" BSP / NPT / NH Threads
	Aluminum Alloy	
	Stainless Steel	

## Navy Diffuser MINI BRANCH PIPE



- ◆ Type – Jet - Spray - Shut Off Nozzle
- ◆ Material – Aluminum Alloy / Stainless Steel
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Polish / Hard Anodized

Item Code # **NFF-BP-NDM**

Flow (LPM) @ 7 Bar	Available Material of Construction	Available Inlet Size
300 LPM	Aluminum Alloy	2.5" Male Inst 2.5" BSP / NPT / NH Threads
	Stainless Steel	

## Hand Controlled Jet & Spray BRANCH PIPE



- ◆ Type – Jet – Spray - Shutoff Nozzle
- ◆ Material – Aluminum Alloy / PVC
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Finish

Item Code # **NFF-BP-HCA / NFF-BP-HCB**

Flow (LPM) @ 7 Bar	Type	Material of Construction	Available Inlet Size
150 LPM	Jet - Spray - Shut Off	Aluminum Alloy with	2.5" Male Inst
450 LPM	Jet - Spray - Shut Off with Water Curtain	PVC Nozzle tip and body	2.5" BSP / NPT / NH Threads

## Jumbo Curtain Nozzle

### BRANCH PIPE

- ◆ Type – 180 Degree Curtain Nozzle
- ◆ Material – Gunmetal / Stainless Steel
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Finish / Painted



Item Code # NFF-BP-JCN

Flow (LPM) @ 7 Bar	Type	Material of Construction	Available Inlet Size
750 to 6000 LPM	Curtain Nozzle with Handle	Gunmetal	2.5" Male Inst
	Curtain Nozzle without Handle	Stainless Steel	2.5" BSP / NPT / NH Threads Flange Inlet

## 3 Position Nozzle

### BRANCH PIPE

- ◆ Type – Jet Spray and Shutoff
- ◆ Material – Gunmetal / PVC
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Chrome Plated / PVC

Item Code # NFF-BP-3PN

Bore Size	Spray Flow (LPM) @ 7 Bar	Jet Flow (LPM) @ 7 Bar	Material of Construction	Available Inlet Size
12	345	255	Chrome Plated	2.5" Male Inst
16	570	450	Gunmetal	2.5" BSP / NPT / NH Threads
20	855	705	PVC	Flange Inlet



## Combat Nozzle

### BRANCH PIPE

- ◆ Lightweight with spinning teeth ring for wide fog curtain
- ◆ Molded rubber grip for firm hold
- ◆ Type – Hollow Jet, Spray and Shutoff
- ◆ Operating Pressure – 10 bar

Item Code # NFF-BP-CN

Flow (LPM)	Material of Construction	Available Inlet Size
350 LPM	Aluminum Alloy	2.5" Male Inst 2.5" BSP / NPT / NH Threads Swivel Inlet



Fog Nozzle  
**BRANCH PIPE**



- ◆ Type – Jet and Fog
- ◆ Material – Gunmetal
- ◆ Operating Pressure – 10 bar
- ◆ Finish – Natural Polish
- ◆ As per IS:952

Item Code # **NFF-BP-FN**

Fog Flow (LPM) @ 7 Bar	Jet Flow (LPM) @ 7 Bar	Material of Construction	Available Inlets
225 LPM	400 LPM	Gunmetal	2.5" Male Inst 2.5" BSP / NPT / NH Threads

Revolving  
**BRANCH PIPE**



- ◆ Type – Revolving Nozzle
- ◆ Material – Gunmetal
- ◆ Operating Pressure – 10 bar
- ◆ As per IS:906

Item Code # **NFF-BP-RB**

Fog Flow (LPM) @ 7 Bar	Material of Construction	Available Inlets
250 to 900 LPM	Gunmetal	2.5" Male Inst 2.5" BSP / NPT / NH Threads 2.5" / 3" NB Flanged Inlet as per ANSI

Portable Spray Nozzle  
**BRANCH PIPE**



Item Code # **NewAge-NZ-38 / 65**

- ◆ The UL Listed portable spray nozzle is fabricated and tested in accordance with UL-401. The nozzle is intended for use with lined fire hose mounted on standpipe systems.
- ◆ The nozzle is rated for use at an inlet pressure of 100 PSI. The nozzle has rotational type control. It is an adjustable type having a water spray discharge ranging from a wide cone shaped pattern through straight stream to shut-off.
- ◆ The nozzle is intended to be used on class A and B fires only, and the discharge rate at 100 PSI flowing inlet pressure in full spray pattern 1.5" nozzle is 130 GPM (approx.) and for 2.5" nozzle is 205 GPM approx.
- ◆ These nozzles come with NST (NH) female inlet threads in accordance with ANSI B2.4.

## BOWfire NOZZLE



- ◆ Special design gives low back pressure
- ◆ Combination of Selectable gallonage Nozzle and Smooth Bore DCP Nozzle
- ◆ Ball valve for flow control
- ◆ Anti-Slip polymide moulded pistol grip
- ◆ Female inlet with instantaneous male Coupling, NH or NPSH threads
- ◆ NFPA 1964 compliant

Item Code # **NFF-NZ-BFN**

Type	Twin Agent Nozzle				
Model	BOWfire (BF)				
Series	Inlet	Style	Flow Range	Fog Teeth	
BF-SF	A 1" NST (F)	1 One Piece Nozzle with Control Valve and common Pistol Grip	5K 13-25-40-60 GPM @ 75 PSI (5 Bar)	SP	SPINNING POLYIMIDE
	B 1.5" NST (F)		5L 30-60-95-125 GPM @ 75 PSI (5 Bar)	SM	SPINNING STAINLESS STEEL
	C 1" BSP (F)		7K 13-25-40-60 GPM @ 100 PSI (7 Bar)	MR	MOULDED RUBBER
	D 1.5" BSP (F)		7L 30-60-95-125 GPM @ 100 PSI (7 Bar)		
	E 1" STORZ				
	F 1.5" STORZ				
BF-DP	A 1" NST (F)	1 One Piece Nozzle with Control Valve and common Pistol Grip	2K 2.3 Kg / s (5 lbs / s)		NOT APPLICABLE
	B 1.5" NST (F)		5K 5 Kg / s (11 lbs / s)		NOT APPLICABLE
	C 1" BSP (F)				
	D 1.5" BSP (F)				
	E 1" STORZ				
	F 1.5" STORZ				

## SUPERfire NOZZLE



- ◆ Special design gives low back pressure
- ◆ Constant Selectable gallonage Nozzle with multiple flow setting
- ◆ Durable light hard anodized construction
- ◆ Straight stream to dense fog & flush without shut off
- ◆ Ball valve for flow control
- ◆ Anti-Slip polymide moulded pistol grip
- ◆ Female inlet with instantaneous male Coupling, NH or NPSH threads
- ◆ NFPA 1964 compliant

Item Code # **NFF-NZ-SFN**

Type	Selectable Gallonage						
Model	SUPERfire (SF)						
Series	Inlet	Style	Flow Range		Fog Teeth		
SF	A 1" NST (F)	1	One Piece Nozzle with Control Valve	5K	13-25-40-60 GPM @ 75 PSI (5 Bar)	SP	SPINNING POLYIMIDE
	B 1.5" NST (F)			5L	30-60-95-125 GPM @ 75 PSI (5 Bar)	SM	SPINNING STAINLESS STEEL
	C 2.5" NST (F)	2	One Piece Nozzle with Control Valve and Pistol Grip	5M	30-60-95-125-150-200 GPM @ 75 PSI (5 Bar)	MR	MOULDED RUBBER
	D 1" BSP (F)			5N	95-125-150-200-250 GPM @ 75 PSI (5 Bar)		
	E 1.5" BSP (F)	3	Two Piece Nozzle with Tip and Control Valve	7K	13-25-40-60 GPM @ 100 PSI (7 Bar)		
	F 2.5" BS INST (M)			7L	30-60-95-125 GPM @ 100 PSI (7 Bar)		
	G 1" STORZ	4	Two Piece Nozzle with Tip and Control Valve and Pistol Grip	7M	30-60-95-125-150-200 GPM @ 100 PSI (7 Bar)		
	H 1.5" STORZ			7N	95-125-150-200-250 GPM @ 100 PSI (7 Bar)		
	I 2.5" STORZ						

## CONfire NOZZLE



- ◆ Solid Jet and Fog facility simultaneously or independently
- ◆ Special design gives low back Pressure
- ◆ Durable light hard anodized construction
- ◆ Straight Stream to Dense fog & flush without shut off
- ◆ Ball Valve for flow control
- ◆ Anti-Slop polymide moulded pistol grip
- ◆ 1/5"/2.5" male instantaneous / Storz / BSP or NH or NST threaded inlets available
- ◆ NFPA 1964 compliant

Item Code # **NFF-NZ-CFN**

Bore (mm)	Pressure (Bar)	Solid Jet Flow (LPM)	Fog Flow (LPM)	Jet + Fog Flow (LPM)	Inlets
16	5.25	350	300	650	1.5" / 2.5" Male Instantaneous 1.5" / 2.5" BSP / NST / NH threads Other Inlets available on request
19	5.25	500	300	800	
25	5.25	860	300	1160	

Type	Combination Nozzle						
Model	CONfire (CF)						
Series	Inlet	Style	Flow Range			Fog Teeth	
			Solid Bore Tip Size		Fog Flow		
CF	A 1" NST (F)	1	One Piece Nozzle with Control Valve	7K	3 / 8 "	60 GPM (230 LPM)	SP SPINNING POLYMIDE
	B 1.5" NST (F)			7L	1 / 2 "	60 GPM (230 LPM)	SM SPINNING STAINLESS STEEL
	C 2.5" NST (F)	2	One Piece Nozzle with Control Valve and Pistol Grip	7M	5 / 8 "	60 GPM (230 LPM)	MR MOULDED RUBBER
	D 1" BSP (F)			7N	3 / 4 "	135 GPM (510 LPM)	
	E 1.5" BSP (F)	3	Two Piece Nozzle with Tip and Control Valve	7O	7 / 8 "	135 GPM (510 LPM)	
	F 2.5" BS INST (M)			7P	15 / 16 "	135 GPM (510 LPM)	
	G 1" STORZ			7Q	1 "	135 GPM (510 LPM)	
	H 1.5" STORZ	4	Two Piece Nozzle with Tip and Control Valve and Pistol Grip				
	I 2.5" STORZ						



## RAPIDfire NOZZLE



- ◆ Pressure remains constant at desire flow
- ◆ Durable light hard anodized construction
- ◆ Straight stream to wide fog and flush without shut-off
- ◆ Molded rubber bumper with flexible fog teeth creates thick fog pattern
- ◆ Pistol grip handle designed for greater comfort and control to fire
- ◆ 1/5"/2.5" male instantaneous / Storz / BSP or NH or NST threaded inlets available

Item Code # **NFF-NZ-RFN**

Type	Constant Pressure						
Model	Rapidfire (RF)						
Series	Inlet	Style	Flow Range		Fog Teeth		
RF	A 1" NST (F)	1	One Piece Nozzle with Control Valve	5K	60-180 GPM @ 55 PSI (3.8 Bar)	SP	SPINNING POLYMIDE
	B 1.5" NST (F)			5L	95-225 GPM @ 55 PSI (3.8 Bar)	SM	SPINNING STAINLESS STEEL
	C 2.5" NST (F)	2	One Piece Nozzle with Control Valve and Pistol Grip	5K	10-100 GPM @ 75 PSI (5 Bar)	MR	MOULDED RUBBER
	D 1" BSP (F)			5L	60-200 GPM @ 75 PSI (5 Bar)		
	E 1.5" BSP (F)	3	Two Piece Nozzle with Tip and Control Valve	5M	90-250 GPM @ 75 PSI (5 Bar)		
	F 2.5" BS INST (M)			7K	10-125 GPM @ 100 PSI (7 Bar)		
	G 1" STORZ	4	Two Piece Nozzle with Tip and Control Valve and Pistol Grip	7L	60-200 GPM @ 100 PSI (7 Bar)		
	H 1.5" STORZ			7M	90-250 GPM @ 100 PSI (7 Bar)		
	I 2.5" STORZ						

## JETfire NOZZLE

- ◆ Light Alloy hard anodized construction
- ◆ Straight Stream to wide fog
- ◆ Pressure assisted flush without shut-off
- ◆ Delrin ball shut-off handle to work smoothly at extreme range
- ◆ Wide fog for operator protection
- ◆ Anti-slip pistol type finger lock grip
- ◆ Control Lever for ON-OFF



Item Code # NFF-NZ-JFN

Flow Capacity	Working Pressure	Spray Angle	Inlets
450 LPM	7 Bar	160 Degree	1.5"/2.5" Male Instantaneous 1.5"/2.5" BSP/NST/NH threads Other Inlets available on request
900 LPM	7 Bar	160 Degree	

Type	Constant Flow				
Model	JETfire (JF)				
Series	Inlet	Style	Flow Range		Fog Teeth
JF	A 1" NST (F)	1 One Piece Nozzle with Control Valve	3K	95 GPM @ 55 PSI (3.8 Bar)	SP SPINNING POLYMIDE
	B 1.5" NST (F)		3L	125 GPM @ 55 PSI (3.8 Bar)	SM SPINNING STAINLESS STEEL
	C 2.5" NST (F)	2 One Piece Nozzle with Control Valve and Pistol Grip	3M	150 GPM @ 55 PSI (3.8 Bar)	MR MOULDED RUBBER
	D 1" BSP (F)		3N	200 GPM @ 55 PSI (3.8 Bar)	
	E 1.5" BSP (F)	3 Two Piece Nozzle with Tip and Control Valve	5K	20 GPM @ 75 PSI (5 Bar)	
	F 2.5" BS INST (M)		5L	40 GPM @ 75 PSI (5 Bar)	
	G 1" STORZ	4 Two Piece Nozzle with Tip and Control Valve and Pistol Grip	5M	60 GPM @ 75 PSI (5 Bar)	
	H 1.5" STORZ		5N	95 GPM @ 75 PSI (5 Bar)	
	I 2.5" STORZ		5O	125 GPM @ 75 PSI (5 Bar)	
			5P	150 GPM @ 75 PSI (5 Bar)	
			5Q	175 GPM @ 75 PSI (5 Bar)	
			5R	200 GPM @ 75 PSI (5 Bar)	
			5S	250 GPM @ 75 PSI (5 Bar)	
			5T	300 GPM @ 75 PSI (5 Bar)	
			5U	350 GPM @ 75 PSI (5 Bar)	
			7K	20 GPM @ 100 PSI (7 Bar)	
			7L	40 GPM @ 100 PSI (7 Bar)	
			7M	60 GPM @ 100 PSI (7 Bar)	
			7N	95 GPM @ 100 PSI (7 Bar)	
			7O	125 GPM @ 100 PSI (7 Bar)	
		7P	150 GPM @ 100 PSI (7 Bar)		
		7Q	175 GPM @ 100 PSI (7 Bar)		
		7R	200 GPM @ 100 PSI (7 Bar)		
		7S	250 GPM @ 100 PSI (7 Bar)		
		7T	300 GPM @ 100 PSI (7 Bar)		
		7U	350 GPM @ 100 PSI (7 Bar)		

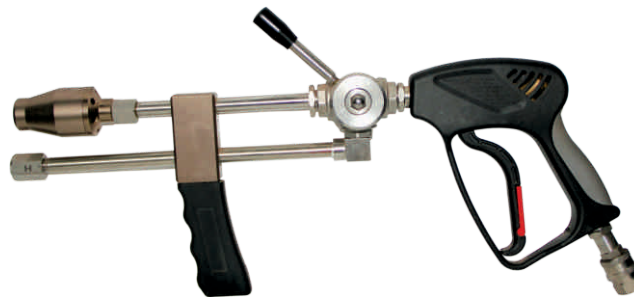
## HAWKfire NOZZLE



Item Code # NFF-NZ-HFN/THFN

Type	High Pressure			
Model	HWAKfire (HF)			
Series	Inlet	Style	Flow Range	Fog Teeth **
HF	A 3/4" BSP (F)	1 Trigger Control with Inlet in Pistol Grip	4K 40 GPM (150 LPM) @ 580 PSI (40 Bar)	SP SPINNING POLYIMIDE
	B 1" BSP (F)		4L 53 GPM (200 LPM) @ 580 PSI (40 Bar)	SM SPINNING STAINLESS STEEL
			4M 5-10-24-40 GPM @ 580 PSI (40 Bar)	MR MOULDED RUBBER
			4N 40 GPM (150 LPM) @ 580 PSI (40 Bar) with Piercing Tip	** Only available for 4M

## PINfire NOZZLE



Item Code # NFF-NZ-PFN

Type	Ultra High Pressure			
Model	PINfire (PF)			
Series	Inlet	Style	Flow Range	
PF	A 5/8" NST (F)	1 Trigger Control with Inlet in Pistol Grip - Single Outlet (Water)	1K 3 GPM (12 LPM) @ 1450 PSI (100 Bar)	
	B 3/4" NST (F)		1L 8 GPM (30 LPM) @ 1450 PSI (100 Bar)	
	C 1" NST (F)	2 Trigger Control with Inlet in Pistol Grip - Twin Outlet (Water + Foam)	1M 20 GPM (75 LPM) @ 1450 PSI (100 Bar)	
	D 5/8" BSP (F)		1N 20 GPM (75 LPM) @ 1450 PSI (100 Bar) with Piercing Tip	

## High Velocity

### WATER SPRAY NOZZLE

Item Code # NFF-WSN-HVSN

Description	Inlet	K Factor	Spray Angle Degree	Material of Construction	Finish
½" Size	BSP / NPT / NH Threads	18	75	Forged Brass Stainless Steel	Natural
		25	80		Chrome Finish
¾" Size	NH Threads	32	85	Forged Brass Stainless Steel	Natural
		47	90		Chrome Finish



## Medium Velocity

### WATER SPRAY NOZZLE

Item Code # NFF-WSN-MVSN

Description	Inlet	K Factor	Spray Angle Degree	Material of Construction	Finish
½" Size	BSP / NPT / NH Threads	24 / 28 / 31 / 36 /	60 / 75 / 80 / 90 /	Forged Brass Stainless Steel	Natural Chrome Finish
		41 / 45 / 51 / 57 /			
¾" Size	NH Threads	61 / 66 / 71 / 76 /	140 / 180	Forged Brass Stainless Steel	Natural Chrome Finish
		81 / 86 / 91			



## Tank Cooling Nozzle

### WATER SPRAY NOZZLE

Item Code # NFF-WSN-TCN

Description	Inlet	K Factor	Material of Construction	Finish
½" Size	BSP / NPT / NH Threads	20 / 30 / 37	Forged Brass Stainless Steel	Natural
		45 / 53 / 72		Chrome Finish





**Concealed Type  
SPRINKLER**

- ◆ UL Listed
- ◆ Made Out of Cover Plates are Supplied
- ◆ Maximum Working Pressure 175 PSI (12 Bar)

Item Code	Response	Hazardous Area	Rated Temp.	K - Factor	Inlet Connection	Finish
NS007	Standard	Moderate (5mm Glass Bulb)	Sprinkler: 57°, 68°, 79°, 93°	K-5.6 (80 LPM)	½" NPT	Chromium Plated
NS008	Quick	Moderate (3mm Glass Bulb)	Cover: 57°, 68°			



**Upright Type  
SPRINKLER**

- ◆ UL Listed
- ◆ Made Out of Bronze
- ◆ Maximum Working Pressure 175 PSI (12 Bar)

Item Code	Response	Hazardous Area	Rated Temp.	K - Factor	Inlet Connection	Finish
NS003	Standard	Moderate (5mm Glass Bulb)	57°, 68°, 79°, 93°	K-5.6 (80 LPM)	½" NPT	Chromium Plated
NS004	Quick	Moderate (3mm Glass Bulb)				



**Pendent Type  
SPRINKLER**

- ◆ UL Listed
- ◆ Made Out of Bronze
- ◆ Maximum Working Pressure 175 PSI (12 Bar)

Item Code	Response	Hazardous Area	Rated Temp.	K - Factor	Inlet Connection	Finish
Ns005	Standard	Moderate (5mm Glass Bulb)	57°, 68°, 79°, 93°	K-5.6 (80 LPM)	½" NPT	Chromium Plated
Ns006	Quick	Moderate (3mm Glass Bulb)				

## Sidewall Type

### SPRINKLER

- ◆ UL Listed
- ◆ Made Out of Bronze
- ◆ Maximum Working Pressure 175 PSI



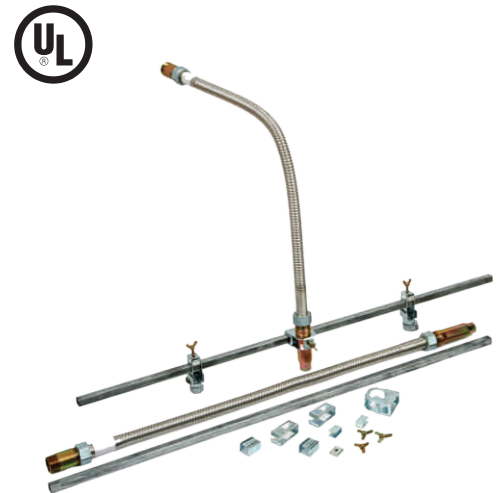
Item Code	Response	Hazardous Area	Rated Temp.	K - Factor	Inlet Connection	Finish
Ns017	Standard	Moderate (5mm Glass Bulb)	57°, 68°, 79°, 93°	K-5.6 (80 LPM)	½" NPT	Chromium Plated
Ns018	Quick	Moderate (3mm Glass Bulb)				

## Flexible Hose

### SPRINKLER

Temperature	225° F	
Rate Working Pressure	175 PSI	Max. 300 PSI
Maximum Bend Radius	4" & 8"	
K - Factor	½" Outlet	5.6 GPM
	¾" Outlet	11.2 GPM & 8 GPM

Item Code	NewAge 700mm/1000mm/1200mm/1500mm/1800mm (UL Approved)
Length	700, 1000, 1200, 1500, 1800mm
Reducing Nipple Dia	½", ¾" NPT or BSPT (Straight or 90 Degree Elbow)
Type	Unbraided Braided (ø 26.8) Braided (ø 28.0)



## Alarm Valve

### SPRINKLER

Dimension (mm)				
Model	Size	L	C	D
NEWAGE AV-4	4"	229	190.5	100
NEWAGE AV-6	6"	255	241.5	150

#### Technical Data

Water working pressure rating	75 psig (12.3 bar)
Factory hydrostatic test pressure	350 psig (24.6 bar)
US standard flange inlet and outlet mate	ANSI B16.5 (150 lb) flange
Approval	UL Listed



FB 2X, 10X

## FOAM MAKING BRANCH PIPE



- ◆ Designed to perform well with all types of foam
- ◆ Designed for low expansion foam applications with expansion ratio of 1:2 to 1:12
- ◆ Standard version without inbuilt induction and pick-up tube for use with premix solution
- ◆ Inlet connections – BS 336 / BSP threads / GOST / Storz / American Rocker Lug

FB 20X

## FOAM MAKING BRANCH PIPE



- ◆ Designed to perform well with all types of foam
- ◆ Designed for low expansion foam applications with expansion ratio of 1:2 to 1:12
- ◆ Standard version without inbuilt induction and pick-up tube for use with premix solution
- ◆ Inlet connections – BS 336 / BSP threads / GOST / Storz / American Rocker Lug
- ◆ Control Valve optionally available
- ◆ Available in Straight / Dome pattern

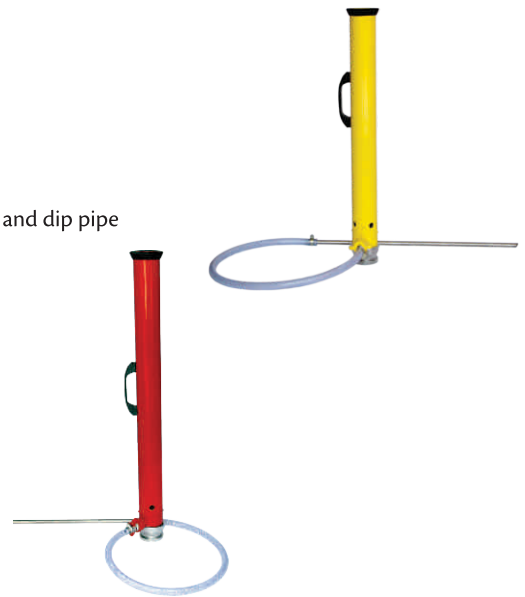
Item Code	Description	Flow @ 7 Bar	Material of Construction
NFF-FE-FB-20X	With In-Built Foam Inductor	900 LPM	Aluminum Alloy Stainless Steel

## FB 2, 10, 20

### FOAM MAKING BRANCH PIPE



- ◆ Designed to perform well with all types of foam
- ◆ Designed for low expansion foam applications with expansion ratio of 1:2 to 1:12
- ◆ Self-inducting version with 3% or 6% fixed induction rate along with pick-up tube and dip pipe
- ◆ Inlet connections – BS 336 / BSP threads / GOST / Storz / American Rocker Lug
- ◆ Control Valve optionally available
- ◆ Available in Straight / Dome pattern



Item Code	Description	Flow @ 7 Bar	Material of Construction
NFF-FE-FB-2	With In-Built Foam Inductor	225 LPM	Aluminum Alloy Stainless Steel
NFF-FE-FB-10		450 LPM	
NFF-FE-FB-20		900 LPM	

## FB 5X

### FOAM MAKING BRANCH PIPE

#### Item Code # NFF-FE-FB5X

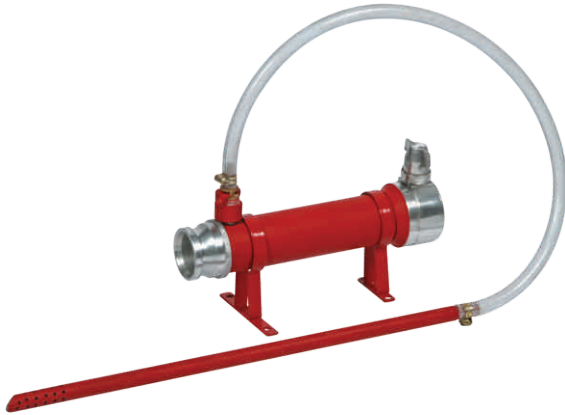
- ◆ Low expansion foam branch with 225 LPM flow at 7 bar with expansion ratio of 1:2 to 1:10
- ◆ With in-built foam inductor along with pick-up tube and dip pipe
- ◆ Built-in foam proportioning valve from 0 to 6% induction
- ◆ Built-in shut off valve





Inline

## FOAM GENERATOR



- ◆ Inline Foam Generator is modified version of Inline Inductor, which not only inducts the foam in desired concentration 3% or 6%, but also transports the foam a long distance (approx. 60 mtrs)
- ◆ Inlet – British Standard Instantaneous Couplings
- ◆ Outlet – British Standard Instantaneous Coupling
- ◆ Induction – 3 % or 6 %

Item Code	Flow @ 7 Bar	Material of Construction
NFF-FE-FGI	225 LPM	Aluminum Alloy
	450 LPM	Gunmetal

## Medium Expansion Foam Generator

### FOAM GENERATOR



**Item Code #** NFF-FE-MEFG

- ◆ Self aspirating
- ◆ Designed for fire protection and vapor suppression in bunded or dyked areas
- ◆ Suitable for applications that required free flowing expanded foam in large volumes  
Compatible with all types of foam
- ◆ Foam expansion ratio of 1:20 to 1:50
- ◆ Stainless steel construction
- ◆ Inlet connection – Flanged or British Standard Instantaneous
- ◆ Foam Generator consists of set of Inline Inductor and Foam Branch
- ◆ Inline Inductor with flanged or coupling ends with built-in check valve, pickup tube and foam isolation valve
- ◆ Flow capacity 400 LPM and 600 LPM
- ◆ Operating pressure range – 2.5 to 7 bar
- ◆ Foam branch – 3.5 to 4 bar
- ◆ Inline Inductor – 7 bar

## HI - EX Mini Turbex FOAM GENERATOR

- ◆ Compact, Light Weight and capable of Single Handed Operation
- ◆ Suitable for all types of Foam
- ◆ Foam Expansion Ratio of 1:200 to 1:350
- ◆ Stainless Steel or FRP Casing
- ◆ Corrosion Proof Construction
- ◆ Pelton Wheel Turbine Driven
- ◆ Set consists of Inline Inductor and Foam Generator
- ◆ Foam Inductor 3 % or 6 %
- ◆ Can also be used as a Foam Extractor with optional Collapsible Ducting
- ◆ Nylon Net for Foam Expansion is standard accessory supplied with Foam Generator



Item Code	Flow @ 7 Bar	Foam Produced	Smoke Extracted
NFF-FE-MINI	245 LPM	2825 cubic ft/min	3460 cubic ft/min

## HI - Expansion (MK II) FOAM GENERATOR

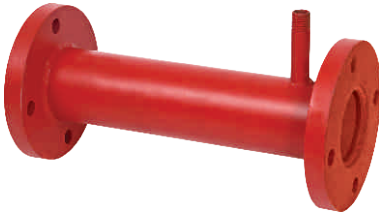
- ◆ FRP Casing for Corrosion free Mechanism
- ◆ Unit mounted on Wheel for easy Transportation
- ◆ Fan mounted on the shaft of Water Turbine
- ◆ Built-in Foam Induction System
- ◆ Foam Induction 3 % or 6 %
- ◆ Suitable for All types of Foam
- ◆ Foam Expansion Ratio of 1:400 to 1:1100
- ◆ Special By-pass Valve arrangement to control Back Pressure
- ◆ Can also be used as a Foam Extractor with optional Collapsible Ducting
- ◆ Nylon Net for Foam Expansion is standard accessory supplied with Foam Generator



Item Code	Description	Total Water Flow @ 7 Bar	By-Pass Flow @ 7 Bar	Expanded Foam	Expansion
NFF-FE-MK2	By-Pass Valve Closed	220 LPM	Nil	132 cubic m/min	500 to 750
	By-Pass Valve Open	230 LPM	85 LPM	145 cubic m/min	800 to 1100

Fixed

## FOAM INDUCTOR

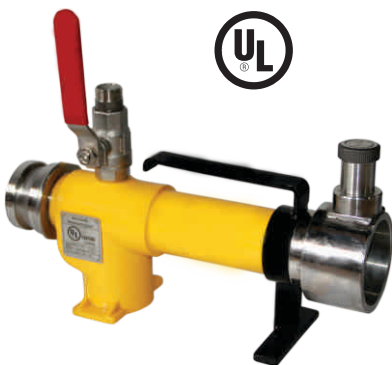


- ◆ For fixed installation systems
- ◆ With 3% to 6% foam induction
- ◆ Available in wide range of flow
- ◆ Carbon steel construction treated with anti-corrosive coating
- ◆ Flanged inlet and outlet connections as per ANSI
- ◆ Stainless steel construction also available

Item Code	Size of Inlet & Outlet	Flow Rate @ 7 Bar	End Connection
NFF-FE-FII	2"	75-225 LPM	Instantaneous as per BS 336
	2.5"	225-450 LPM	
	3"	450-900 LPM	
	4"	900-1800 LPM	Flanged as per ANSI
	6"	1800-2700 LPM	
	8"	2700-3600 LPM	

Fixed

## FOAM INDUCTOR



	FE-VIDUL-225	FE-VIDUL-450
<b>Material of Construction</b>	Stainless Steel 304, 316 & 316L	Stainless Steel 304, 316 & 316L
<b>Flow Rate at 100 PSI</b>	225	450
<b>Induction</b>	3% or 6%	3% or 6%
<b>Rated Working Pressure</b>	100 PSI	100 PSI
<b>Pressure Range</b>	80 PSI to 200 PSI	80 PSI to 200 PSI
<b>Length</b>	400mm	400mm
<b>Width</b>	95mm	95mm
<b>Height</b>	200mm	200mm
<b>Approvals</b>	UL Listed	UL Listed

Variable Inline

## FOAM INDUCTOR



- ◆ Foam induction rates can be adjusted from 0% to 6%
- ◆ In-built non-return valve to foam inlet
- ◆ Foam concentrate drawn through a pick-up tube
- ◆ Light in weight and portable
- ◆ Isolation valve optionally available

Item Code	Flow @ 7 Bar	Material of Construction
NFF-FE-VID	225 LPM	Aluminum Alloy Gunmetal Stainless Steel
	450 LPM	

## Without Vapor Seal Chamber

### FOAM MAKER

- ◆ Designed for the use in Fixed Roof Tank with low expansion Foam System
- ◆ Air Aspirating Foam Chamber consists of Expansion Chamber and Foam Maker with Stainless Steel Mesh for Aeration and prevention of entering of Foreign objects
- ◆ Carbon Steel or Stainless Steel Construction
- ◆ Hot Dip Galvanised for Corrosion resistance in case of Carbon Steel Construction
- ◆ 5 Models available to cover all the Flow Requirements
- ◆ Glass Vapour Seal to prevent the entry of Vapour into the Chamber and thereby prevent the evaporation into atmosphere.
- ◆ Orifice Plate designed as per the required flow at a desired pressure is standard supply along with Foam Maker
- ◆ Orifice Plate can be changed in case of change in Design Parameters
- ◆ Inspection of Vapour Seal is simplified with the help of Handle on top of removable cover plate of Foam Chamber
- ◆ Foam Deflector for directing the Expanded Foam into Tank is optional accessory.

Item Code	Inlet (NB)	Outlet (NB)	Discharge
NFF-FE-FMWOVS	50	80	75-225 LPM
	65	100	225-450 LPM
	80	150	450-900 LPM
	100	200	900-1800 LPM
	150	250	1800-2700 LPM



## With Vapor Seal Chamber

### FOAM MAKER

- ◆ Designed for the use in Floating Roof Tank with low expansion Foam System
- ◆ Air Aspirating Expanded Foam Discharge Device consisting Expansion Chamber and Foam Maker with Stainless Steel Mesh for Aeration and prevention of entering of Foreign objects
- ◆ Carbon Steel or Stainless Steel Construction
- ◆ Hot Dip Galvanized for Corrosion resistance in case of Carbon Steel Construction
- ◆ 5 Models available to cover all the Flow Requirements
- ◆ Orifice Plate designed as per the required flow at a desired pressure is standard supply along with Foam Maker
- ◆ Orifice Plate can be changed in case of change in Design Parameters
- ◆ Foam Pours for directing the Expanded Foam into Tank is optional accessory.

Item Code	Inlet (NB)	Outlet (NB)	Discharge
NFF-FE-FMWVS	50	80	75-225 LPM
	65	100	225-450 LPM
	80	150	450-900 LPM
	100	150	900-1800 LPM
	150	200	1800-2700 LPM



## High Back Pressure

### FOAM MAKER

Item Code # **NFF-FE-HBPFM**

- ◆ Designed to generate expanded foam for the purpose of subsurface injection into a liquid hydrocarbon storage tank.
- ◆ High Back Pressure Foam Makers are mounted at the bottom of the Tank or outside the diked area surrounding the storage tank.
- ◆ Expanded foam is injected through a dedicated Foam line or into a Liquid Hydrocarbon line.
- ◆ Can discharge against a back pressure as high as 40% of the operating inlet pressure.
- ◆ High Back-Pressure Foam Maker is available with Self Induction Mechanism and another for the use with Premix Foam Solution
- ◆ Stainless Steel Screen Mesh for Aeration and prevention of entering of Foreign objects
- ◆ Aluminum Alloy Hard Anodized, Carbon Steel or Stainless Steel Construction
- ◆ Hot Dip Galvanised for Corrosion resistance in case of Carbon Steel Construction
- ◆ Custom Design based on required Flow Rate



## FRP Tank

### MOBILE FOAM UNIT



- ◆ Mobile Foam Cart with Corrosion Resistant FRP Tank
- ◆ Lightweight and Durable for use in rugged conditions
- ◆ First aid and Rapid Deployment in high risk areas
- ◆ Easy access in narrow passages where Fixed Piping or Fire Vehicle are inaccessible.
- ◆ Tank Mounted on a Steel Structure with 2 Solid Rubber Wheels for ease of mobility.
- ◆ Available with Tank Capacity of 100,150 and 200 Liters
- ◆ Aluminum Alloy Low Expansion Foam Branch 225 LPM or 450 LPM along with Corresponding 3 % or 6 % Fixed Inline Inductor made of Aluminum Alloy supplied as Standard Equipment
- ◆ Provision for Storage of 2 No of 15 Meters X 63 MM Type B Hose along with Couplings.
- ◆ Variable Inline Inductor, Medium Expansion Foam Generator and Fire Hoses are optionally supplied.

Item Code	Tank Capacity
NFF-FE-MFU-FRP	100 Liters
	150 Liters
	200 Liters

## Stainless Steel Tank

### MOBILE FOAM UNIT



- ◆ Mobile Foam Cart with Stainless Steel Tank
- ◆ Durable for use in rugged and Corrosive Environments like Chemical Plants, Onshore Platforms, Jetty.
- ◆ Available in Stainless Steel Grade 304, 316 and 316L
- ◆ First aid and Rapid Deployment in high risk areas
- ◆ Easy access in narrow Corridors and tight passages where Fixed Piping or Fire Vehicle are inaccessible.
- ◆ Tank Mounted on a Steel Structure with 2 Solid Rubber Wheels and 1 Rotating Castor for ease of Steering and Mobility.
- ◆ Available with Standard Tank Capacity of 100,150 and 200 Liters.
- ◆ Tank with customized Volumes available on Request
- ◆ Aluminum Alloy Low Expansion Foam Branch 225 LPM or 450 LPM along with Corresponding 3 % or 6 % Fixed Inline Inductor made of Aluminum Alloy supplied as Standard Equipment
- ◆ Provision for Storage of 2 No of 15 Meters X 63 MM Type B Hose along with Couplings.
- ◆ Variable Inline Inductor, Medium Expansion Foam Generator and Fire Hoses are optionally supplied.

Item Code	Tank Capacity
NFF-FE-MFU-SS	100 Liters
	150 Liters
	200 Liters

## Fast Attack

### MOBILE FOAM UNIT



- ◆ Mobile Foam Cart with Stainless Steel Tank and Water Foam Monitor
- ◆ Easy Operation by one person
- ◆ With Capabilities of more than of a Portable Monitor, Unit is used for First aid and Rapid Deployment in high risk areas
- ◆ Easy access in narrow Corridors and tight passages where Fixed Piping or Fire Vehicle are inaccessible.
- ◆ Ideal for Applications like Oil & Gas, Chemical Plants, Low Hazard Industries, Protection of Stationary Hazard, Protection of Remote Hazard Areas etc
- ◆ Carbon Steel or Gunmetal Monitor with Aqua Foam Nozzle with Jet-Fog Arrangement
- ◆ Monitor with Maximum Flow of 300 GPM at rated pressure of 100 PSI.
- ◆ 63 MM British Standard Instantaneous or Optional Threaded Inlet with choice of Russian, GOST or American Rocker Lug Coupling
- ◆ Tank available in Stainless Steel Grade 304, 316 and 316L with Standard Capacity of 200 Liters
- ◆ Tank equipped with Filling Cap, Air Vent and Drain Valve
- ◆ Unit is equipped with 2 Solid Rubber Wheels for Mobility and Heavy duty Stabilizers to prevent the unit from destabilizing under pressure.
- ◆ Handle Bars for easy maneuverability
- ◆ Provision for Storage of 1 No of 30 Meters X 63 MM Type B Hose along with Couplings.
- ◆ Tank with customized Volumes available on Request

Item Code	Tank Capacity
NFF-FE-MFU-FA	100 Liters
	150 Liters
	200 Liters

## Water Jet

### MONITOR

- ◆ Ideal for Fixed Installation
- ◆ Made out of Carbon Steel heavy duty seamless pipe, hot dip galvanized for Corrosion Resistance
- ◆ Design that ensures ease of operation and maintenance
- ◆ Vertical and Horizontal movement is due to Gunmetal or optional Stainless Steel Swivel Joints with Ball Bearing. Tiller Bar fixed on the Barrel is used to move the Monitor to desired position and then threaded Locks are tightened to secure the monitor at a desired horizontal and vertical position
- ◆ For Monitors with Higher Flows, Horizontal and Vertical Movement is made with the Self Locking type enclosed Geared Swivel Joints with Worm and Worm Gear using Hand Wheel that ensures smooth and easy movement during ongoing operation of Monitor.
- ◆ Monitor is capable of Horizontal Rotation of 360 Degrees and Vertical Traverse of + 90 Degrees to -45 Degrees
- ◆ Flanged Inlet – Dimensions as per Requirement
- ◆ Available with variety of Nozzles – Solid Bore Jet Nozzle, Hollow Jet-Fog Nozzle, Self-Aspirating and Self Inducting
- ◆ Foam Barrel and Self Inducting Aqua Foam Nozzle
- ◆ Nozzle Material of Construction is available in Aluminium Alloy, Stainless Steel and Gunmetal
- ◆ ISI Marked IS : 8442 : 1977 (Reaffirmed 1996)
- ◆ Trolley Mounting with Inlets containing Non-Return Valve Optional



Item Code # **NFF-M-WJM**

Size	Flow	Horizontal Jet @ 30 Deg. Elevation @ 7 Bar	Horizontal Rotation	Vertical Rotation
63mm	1750 LPM	53 mtr.	360°	+80° to +90°
75mm	2580 LPM	60 mtr.	360°	+80° to +90°
100mm	3500 LPM	64 mtr.	360°	+80° to +90°

## Long Range Water

### MONITOR

- ◆ Ideal for Fixed Installation
- ◆ Made out of Carbon Steel heavy duty seamless pipe, hot dip galvanized for Corrosion Resistance
- ◆ Design that ensures ease of operation and maintenance
- ◆ For High Volume Monitors, Horizontal and Vertical Movement is made with the Self Locking type enclosed Geared Swivel Joints with Worm and Worm Gear using Hand Wheel that ensures smooth and easy movement during ongoing operation of Monitor.
- ◆ Monitor is capable of Horizontal Rotation of 360 Degrees and Vertical Traverse of +90 Degrees to -45 Degrees
- ◆ Flanged Inlet – Dimensions as per Requirement
- ◆ Available with variety of Nozzles – Solid Bore Jet Nozzle, Hollow Jet-Fog Nozzle and Self Inducting Aqua Foam Nozzle
- ◆ Nozzle Material of Construction is available in Aluminium Alloy, Stainless Steel and Gunmetal



Item Code # **NFF-M-LRHV**

Barrel Size	Flow @ 7 kg/cm <sup>2</sup>	Nozzle	Nozzle Material of Construction
100 MM	1000 GPM	Solid Bore Jet Jet - Fog Aqua Foam	Aluminium Alloy Stainless Steel Gunmetal
100 MM	1250 GPM		
150 MM	1500 GPM		
150 MM	2000 GPM		

**Portable Oscillating - Ranger  
MONITOR****Item Code # NFF-M-Ranger**

- ◆ The portable oscillating monitor is designed for a dual use of Ground Monitor as well as Deck Monitor with an optional oscillating monitor that can be deployed easily.
- ◆ Lightweight Aluminium Construction monitor with Nominal flow of 1800 LPM @ 7 bar
- ◆ The monitor is equipped with a selectable Gallonage nozzle with a maximum flow range of 1800 LPM @ 7 bar
- ◆ Capabilities of 360 Degree Horizontal Rotation and Vertical Traverse of up to 80 Degrees when being used as a Ground Monitor
- ◆ Carrying Handle and Tiller Bar with Rubber Grip for comfortable operation and firm lifting
- ◆ Stainless steel foldable legs with tips to ensure full stability during operation.
- ◆ 2.5" Size double swivel inlet with locking mechanism for mounting and locking the oscillating attachment.
- ◆ The unit is equipped with a vertical stop pull pin to limit its vertical movement to 30° for safety reasons.
- ◆ The vertical movement beyond 30° is possible by pulling the vertical stop pull pin.
- ◆ The unit is equipped with a pressure gauge and is powder coated in RED.
- ◆ Screw locks for securing the unit at desired Horizontal and Vertical position.
- ◆ The unit is equipped with an optional oscillating attachment which is mounted on to the double swivel inlet of the monitor through a locking mechanism. The oscillating attachment works on Pelton Wheel – Planetary Gear Mechanism. The range of oscillations is from 0° to 60°. The oscillating mechanism avoids complex valve block design and any water lines exposed on the body of monitor. The oscillating mechanism has an oscillating arm to control the Degree of Oscillations. The frequency of oscillations is controlled through a locking gear on the Pelton Wheel. The mechanism is simple to understand, easy to operate and unconstructive to water flow. The oscillating mechanism works even when used with water containing solid particles.
- ◆ Attachments like Ladder Pipes and Flanges for Stand post mounting is optional accessory available on request

## Trailer Mounted Monitor with Tank MONITOR

### Item Code # NFF-M-TMFT

- ◆ Ideal for Applications like Rapid Response under Emergency, Backup and Stand by Placements, Protection of Hazard Remotely Located, Temporary Placements where mobility is prime concern
- ◆ Selection of Trailer is made for the Monitors with Large Flow Rate to channelize the Thrust and Reaction Forces generated during Operation.
- ◆ Design of the Trailer is dependent on the Capacity of Monitor along with load of accessories
- ◆ Heavy Duty Mild Steel or Stainless Steel Construction using Tubes and Angles for lower centre of Gravity
- ◆ Single or Double Solid Beam Axle on elliptical springs with Solid Rubber or Pneumatic Tubeless Tyres with Parking Brake arrangement
- ◆ Heavy Duty Rotating and Retracting Castor at the front for easy Steering and manoeuvrability
- ◆ 4 Nos. Thread Locking Type or Optional Geared Stabilizing Jacks.
- ◆ Hot Dip Galvanized Carbon Steel or Stainless Steel Manifold with required number of Inlets
- ◆ Inlets with Built in Non Return Valve or Isolating Ball Valves.
- ◆ Towing Hook for easy hauling behind Jeep or Fire Vehicle.
- ◆ Suitable Locker arrangement with the capacity of up to 20 Nos of 63 MM X 15 Metres Fire Water Delivery Hose Pipe with Couplings and Tool Box for Stowage.
- ◆ Reflectors at the Front and Back are Standard with optional Electric Fittings like Brake Light, Side Signals and Flood Light etc
- ◆ Trailers are specifically designed for mounting of Foam Storage Tanks with necessary fittings with up to Capacity of 5000 Litres.



## Trailer Mounted MONITOR





## Trolley Mounted MONITOR



**Item Code #** NFF-M-TMM

- ◆ Ideal for Applications like protection of Hazard Remotely Located, Temporary and Standby Placements where mobility is prime concern
- ◆ Heavy Duty Mild Steel Structure with Solid Rubber Tyres with low center of Gravity for stability
- ◆ Stabilizing Jack
- ◆ Easy Movement and Operation by a Single Person
- ◆ Manifold with Gunmetal British Standard Instantaneous Inlet with Non Return Valve
- ◆ Number of Inlets would depend on the Flow Capacity
- ◆ Ideal for flows up to 3500 LPM.

## Trolley Mounted Monitor with Tank MONITOR

**Item Code #** NFF-M-TMMWT



## Standpost Mounted Oscillating MONITOR

- ◆ NewAge's oscillating flange readily transforms a manual monitor into an oscillating monitor
- ◆ Oscillating movement is generated through a pelton wheel driven by water power
- ◆ Designed for refineries, process plants, tank farms, tank loading areas, offshore installation and other high-risk areas
- ◆ Carbon steel / brass waterways
- ◆ Oscillating range from 0 to 270 degrees
- ◆ Un-manned operation
- ◆ Oscillating mechanism available in gunmetal or stainless steel
- ◆ Suitable for use with NewAge Carbon steel / Stainless Steel / Gunmetal Monitors



Item Code	Description
NFF-M-OM	500 GPM @ 7 bar with 3" waterways with Jet-Spray Nozzle
	750 GPM @ 7 bar with 3" waterways with Jet-Spray Nozzle
	1000 GPM @ 7 bar with 4" waterways with Jet-Spray Nozzle

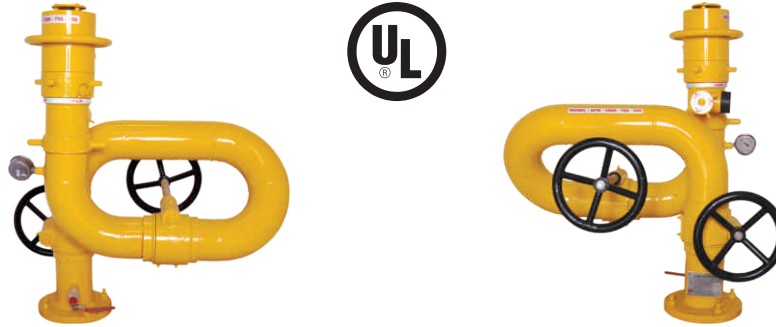
## Tower (Elevated) MONITOR

### Item Code # NFF-M-EM

- ◆ Monitor shall be mounted on the tower riser of approximately 10 m high.
- ◆ Movement The fixed water monitors shall be allowed a full rotation movement of 360° and an elevation
- ◆ Movement from minus 75 degrees below horizontal to plus 45 degree above horizontal.
- ◆ Monitor Complete with Cable mechanism



## Adjustable Flow MONITOR



- ◆ UL Listed Monitor and UL Listed Foam Induction Mechanism under UL Standard - 162
- ◆ NewAge UL Listed Water cum Foam Monitors offer superior durability in Marine, Chemical, Oil & Gas Sector, Ports, Jetties, Onshore and Offshore Platforms
- ◆ Designed for Fixed Installations where Monitors are required with High Flow Rates and Long Range Straight Streams.
- ◆ UL Listed Flanged Inlet Monitors with Variable Flow Nozzles
- ◆ Made out of Stainless Steel, these monitors are fit for optimum performance where environment is highly corrosive
- ◆ Stainless Steel Material Grade available are SS 304, SS 316 and SS 316L
- ◆ 3 % Foam Induction is through Self Inducting Non-Aspirating Aqua Foam Nozzle with Jet and Fog Movement and optionally using Jet Ratio Controller Pump.
- ◆ Metering Valve on the Foam Inducting device for Corresponding Flow and Precise Induction
- ◆ Non-Aspirating Aqua Foam Nozzle is very much compatible for Jet-Ratio controller Pump without any modification
- ◆ Selectable Gallonage Nozzle with Multiple Flow Settings capable of adjustment from Straight Stream to 140 Degree Spray Angle
- ◆ The Flow setting can be done easily and quickly from the Monitor Nozzle by an ergonomic Wheel Nut by a Single Operator without the use of any Tools and Tackles
- ◆ The design of the Nozzle is such that change of Flow from one setting to another can occur during the operation of monitor under pressurized condition without shutting down the monitor or isolating the line
- ◆ Horizontal and Vertical Movement is made with the Self Locking type enclosed Geared Swivel Joints with Worm and Worm Gear using Hand Wheel that ensures smooth and easy movement during ongoing operation of Monitor easily by Single Operator
- ◆ Horizontal Rotation of 360 Degrees and Vertical Traverse of +90 Degrees and -45 Degrees
- ◆ The Monitor is equipped with the Pressure Gauge at the Inlet of the Nozzle and a Drain Valve at the Inlet Flange

Item / Part	Material Construction
Nozzle	Stainless Steel-304 / 316 / 316L
Monitor Body	Stainless Steel-304 / 316 / 316L
Flange (150 LBS, ANSI B 16.5 rating size 150 mm)	Stainless Steel-304 / 316 / 316L
Swivel Joints	Stainless Steel-304 / 316 / 316L
Gear	Stainless Steel-304 / 316 / 316L
Spindle for worm	Stainless Steel-304 / 316 / 316L
Hand-wheels for Nozzle, horizontal / vertical movement.	Stainless Steel-304 / 316 / 316L
Pick-up tube (3mtr length)	PVC reinforced with high tensile steel wire helix as per ASTM D1785 sch.80.
Drain Valve	Stainless Steel-304 / 316 / 316L
Foam strainer (removable type)	Stainless Steel-304 / 316 / 316L
Foam Inductor	Stainless Steel-304 / 316 / 316L
Foam Inductor Coupling (63mm)	Stainless Steel-304 / 316 / 316L
Nuts/bolts at monitor	Stainless Steel-304 / 316 / 316L

Monitor Barrel Size	Monitor Nozzle Flow Rate @ 7 KG / CM <sup>2</sup>	Foam Induction	Approval
75 MM	500-750 GPM Variable Flow	Self Inducting Nozzle or JRCP	UL Listed
100 MM	500-750-1000 GPM Variable Flow	Self Inducting Nozzle or JRCP	UL Listed
150 MM	1000-1500-2000 GPM Variable Flow	Self Inducting Nozzle or JRCP	UL Listed
200 MM	2000-3000-4000 GPM Variable Flow	JRCP	UL Listed

## Fixed Flow MONITOR

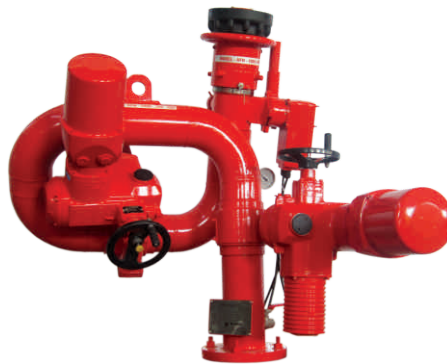


- ◆ UL Listed Monitor and UL Listed Foam Induction Mechanism under UL Standard - 162
- ◆ NewAge UL Listed Water cum Foam Monitors offer superior durability in Marine, Chemical, Oil & Gas Sector, Ports, Jetties, Onshore and Offshore Platforms
- ◆ Designed for Fixed Installations where Monitors are required with High Flow Rates and Long Range Straight Streams
- ◆ UL Listed Flanged Inlet Monitors with UL Listed Fixed Flow (Gear as well as lever Operated)
- ◆ Made out of Stainless Steel, these monitors are fit for optimum performance where environment is highly corrosive
- ◆ Stainless Steel Material Grade available are SS 304, SS 316 and SS 316L
- ◆ 3 % Foam Induction is through Self Inducting Non-Aspirating Aqua Foam Nozzle with Jet and Fog Movement and optionally using Jet Ratio Controller Pump
- ◆ Metering Valve on the Foam Inducting device for Corresponding Flow and Precise Induction
- ◆ Non-Aspirating Aqua Foam Nozzle is very much compatible for Jet-Ratio controller Pump without any modification
- ◆ Selectable Gallonage Nozzle with Multiple Flow Settings capable of adjustment from Straight Stream to 140 Degree Spray Angle
- ◆ The Flow setting can be done easily and quickly from the Monitor Nozzle by an ergonomic Wheel Nut by a Single Operator without the use of any Tools and Tackles
- ◆ The design of the Nozzle is such that change of Flow from one setting to another can occur during the operation of monitor under pressurized condition without shutting down the monitor or isolating the line
- ◆ Horizontal and Vertical Movement is made with manual Lever / Hand Wheel that ensures smooth and easy movement during ongoing operation of Monitor easily by Single Operator
- ◆ Horizontal Rotation of 360 Degrees and Vertical Traverse of +90 Degrees and -45 Degrees
- ◆ The Monitor is equipped with the Pressure Gauge at the Inlet of the Nozzle and a Drain Valve at the Inlet Flange

Item / Part	Material Construction
Nozzle	Stainless Steel-304 / 316 / 316L
Monitor Body	Stainless Steel-304 / 316 / 316L
Flange (150 LBS, ANSI B 16.5 rating size 150 mm)	Stainless Steel-304 / 316 / 316L
Swivel Joints	Stainless Steel-304 / 316 / 316L
Gear / Lever	Stainless Steel-304 / 316 / 316L
Spindle for worm	Stainless Steel-304 / 316 / 316L
Hand-wheels for Nozzle, horizontal / vertical movement.	Stainless Steel-304 / 316 / 316L
Pick-up tube (3mtr length)	PVC reinforced with high tensile steel wire helix as per ASTM D1785 sch.80.
Drain Valve	Stainless Steel-304 / 316 / 316L
Foam strainer (removable type)	Stainless Steel-304 / 316 / 316L
Foam Inductor	Stainless Steel-304 / 316 / 316L
Foam Inductor Coupling (63mm)	Stainless Steel-304 / 316 / 316L
Nuts/bolts at monitor	Stainless Steel-304 / 316 / 316L

Monitor Barrel Size	Monitor Nozzle Flow Rate @ 7 KG / CM <sup>2</sup>	Foam Induction	Approval
75 MM	500 GPM	Self Inducting Nozzle	UL Listed
75 MM	750 GPM	Self Inducting Nozzle	UL Listed
100 MM	1000 GPM	Self Inducting Nozzle or JRCP	UL Listed

## Fixed Flow / Adjustable Flow MONITOR



- ◆ NewAge Remote Control Monitors are used when Asset is vulnerable and exposed to High Risks especially when reach of Operator or Firemen is limited like Processing towers in Refinery, Conveyers in Power Plants, Confined Storage Areas, Columns in Chemical Plants etc
- ◆ Selection of Fully Electric and Hydraulic-Electric versions
- ◆ Fully Electric Versions are available with 12V & 24V DC Supply that is ideal for Mobile Applications like Fire Vehicle, Riot Control Vehicle, Air Crash Tenders, Marine etc.
- ◆ 3 Phase and 1 Phase AC Supply versions are available for Fixed Installations Applications like Oil & Gas, Chemical Plants and Jetty etc.
- ◆ Electric Components with Ex-d (Flame Proof / Explosion Proof) Certifications like ATEX, PESO and CIMFR for Applications in Hazardous Area.
- ◆ Monitors with Remote Control Mechanism can be stand-alone or Multiple Monitors can be controlled with single control panel
- ◆ Specially developed Electronics that could cut down massive costs on cabling up to 90 %
- ◆ Customized Operation Logic that could allow use of Primary Panel and Secondary Panel with Automatic Override Function.
- ◆ Motor Operated Isolation Valve and Wireless Transmitter for Safe Area as well as ATEX Approved for Hazardous Area optionally available
- ◆ Control Interface are available in Primary Panel, Secondary Panel, Tethered / Wired Control Unit, Wireless Transmitter

## Aqua Foam NOZZLE

- ◆ Available in different flow capacities
- ◆ Self Inducting, Non aspirating type
- ◆ Spray angle upto 160 degrees
- ◆ Induction 3% or 6% (preset)
- ◆ Foam expansion 4 to 6 times
- ◆ Maximum working pressure 10 bar



Item Code	Inlet Connection	Flow @ 7 Bar	Material of Construction
NFF-MN-AQF	2.5" BSP / NH (F) Threads	475 GPM	Gunmetal Stainless Steel Aluminum Alloy
		500 GPM	
		625 GPM	
		750 GPM	
	3.5" BSP / NH (F) Threads	1000 GPM	
		1250 GPM	
		1250 GPM	
		2000 GPM	
Flanged	4000 GPM		

## Aqua Foam Nozzle with Teeth NOZZLE

- ◆ Available in different flow capacities
- ◆ Self Inducting, Non aspirating type
- ◆ Spray angle upto 160 degrees
- ◆ Induction 3% preset
- ◆ Foam expansion 4 to 6 times
- ◆ Maximum working pressure 10 bar



Item Code	Flow @ 7 Bar	Material of Construction
NFF-MN-AFN	500 GPM	Gunmetal Stainless Steel Aluminum Alloy
	750 GPM	
	1000 GPM	
	1500 GPM	
	2000 GPM	
	4000 GPM	

Jet

## NOZZLE



- ◆ Available in different flow capacities
- ◆ Flanged or threaded inlets available
- ◆ Maximum working pressure 10 bar

Item Code	Inlet Connection	Flow @ 7 Bar	Material of Construction
NFF-MN-JN	2.5" BSP / NH (F) Threads	475 GPM	Gunmetal Stainless Steel Aluminum Alloy
		500 GPM	
		625 GPM	
		750 GPM	
	3.5" BSP / NH (F) Threads	1000 GPM	
		1250 GPM	
	Flanged	1250 GPM	
		2000 GPM 4000 GPM	

Stackble Tips Jet

## NOZZLE



**Item Code # MN-STJ**

- ◆ The Stacked Tip Nozzle is constructed from lightweight anodized aluminum.
- ◆ These smooth bore tips are a great option for ball shutoff nozzles and give quick availability to increase tip size quickly and effectively.
- ◆ Inlet Threads - NH/NST
- ◆ Base - 2 ½"
- ◆ Bottom tip orifice - 2"
- ◆ Second tip orifice - 1 ¾"
- ◆ Third tip orifice - 1 ½"
- ◆ Top tip orifice - 1 ⅜"

## Jet & Spray

### NOZZLE

- ◆ Available in different flow capacities
- ◆ Flanged or threaded inlets available
- ◆ Spray Angle upto 160 degrees
- ◆ Maximum working pressure 10 bar

Item Code	Inlet Connection	Flow @ 7 Bar	Material of Construction
NFF-MN-JSN	2.5" BSP / NH (F) Threads	475 GPM	Gunmetal Stainless Steel Aluminum Alloy
		500 GPM	
		625 GPM	
		750 GPM	
	3.5" BSP / NH (F) Threads	1000 GPM	
		1250 GPM	
		1250 GPM	
	Flanged	2000 GPM	
		4000 GPM	



## Foam Barrel

### NOZZLE

- ◆ Available with builtin foam inductor or without foam inductor
- ◆ Induction 3% or 6%
- ◆ Foam expansion 6 to 10 times
- ◆ Maximum operating pressure 10 bar
- ◆ Flanged inlets also available

Item Code	Inlet Connection	Flow @ 7 Bar	Material of Construction	Options
NFF-MN-FB	2.5" BSP / NH (F) Threads	475 GPM	Gunmetal Stainless Steel Aluminum Alloy	Jet Jet - Spray
		500 GPM		
		625 GPM		
	3.5" BSP / NH (F) Threads	750 GPM		
		1000 GPM		
		1250 GPM		



## Jet Ratio Controller

### NOZZLE

- ◆ It is a venture-type device to feed large volumes of foam from a safe location to a self-inducting nozzle.
- ◆ Supplied in conjunction with matched aqua foam nozzles
- ◆ Compatible to be used with UL Listed water cum foam monitor
- ◆ Corrosion resistance excellent compatibility with AFFF foam
- ◆ With pressure gauge and pick-up tube
- ◆ Covered in stainless steel 304/316 casing for easy handling and storage

Item Code	Induction	JRCP Inlet Pressure	Working Distance
NFF-MN-JRCP	3%	7 Bar	60 to 100 mtrs.





## NKLP 2000/3000/4000 PUMP

N K Fire® Pumps are designed for high performance and reliability. N K Fire® offers pumps of modern design suitable for Fire Brigade Services, Petroleum and Oil Gas Sectors and other Industries.



- ◆ Meets the requirements as per BIS Standards
- ◆ Compact and Low Maintenance Design
- ◆ Available with a choice of Primers – Manual or Automatic
- ◆ Perfect Interchangeability of pump spares
- ◆ Available with Stainless Steel or Gunmetal Constructions
- ◆ CE Certified to EN-1028 - 1 & 2 & other Harmonious Standards
- ◆ Fully Compliant to NFPA 1901

Pump Body	Impeller	Impeller Shaft	Wear Rings	Shaft Seal	Intake	Discharge Outlets
Gunmetal Stainless Steel Aluminium	Gunmetal Stainless Steel	Stainless Steel	Bronze Stainless Steel	Maintenance Free Mechanical Seal	100 mm 140 mm Round Threaded	4 Way Manifold Option

Description	NKLP 2000	NKLP 3000	NKLP 4000
Rated Performance	2250 LPM @ 8.5 Bar 2000 LPM @ 10 Bar	3200 LPM @ 8.5 Bar 3000 LPM @ 10 Bar	4500 LPM @ 8.5 Bar 4000 LPM @ 10 Bar
Maximum Shaft Speed	3600 RPM	3600 RPM	3600 RPM
Maximum Suction Lift	8 Meters	8 Meters	8 Meters
Suction Inlet	100 mm	140 mm	140 mm

## NKLP 6000/10000 PUMP

N K Fire® Pumps are designed for high performance and reliability. N K Fire® offers pumps of modern design suitable for Fire Brigade Services, Petroleum and Oil Gas Sectors and other Industries.



- ◆ Meets the requirements as per BIS Standards
- ◆ Compact and Low Maintenance Design
- ◆ Available with a choice of Primers – Manual or Automatic
- ◆ Perfect Interchangeability of pump spares
- ◆ Available with Stainless Steel or Gunmetal Constructions
- ◆ CE Certified to EN-1028 - 1 & 2 & other Harmonious Standards
- ◆ Fully Compliant to NFPA 1901

Pump Body	Impeller	Impeller Shaft	Wear Rings	Shaft Seal	Intake	Discharge Outlets
Gunmetal Stainless Steel Aluminium	Gunmetal Stainless Steel	Stainless Steel	Bronze Stainless Steel	Maintenance Free Mechanical Seal	140 mm 200 mm Round Threaded	6 Way Manifold Option

Description	NKLP 6000	NKLP 10000
Rated Performance	6500 LPM @ 10 Bar	10,000 LPM @ 10 Bar
Maximum Shaft Speed	3600 RPM	3600 RPM
Maximum Suction Lift	8 Meters	8 Meters
Suction Inlet	1 X 200 mm 2 X 140 mm	1 X 200 mm 2 X 140 mm

## NKMP 2000/3000/4000/6000 PUMP

N K Fire® Multi pressure Fire Pumps are designed for high performance and reliability. N K Fire® offers pumps of modern design suitable for Fire Brigade Services, Petroleum and Oil Gas Sectors and other Industries. N K Fire® manufactures Pumps with Discharge Capacities up to 6,000 LPM on Low Pressure and 400 LPM on High Pressure Side



- ◆ Meets performance requirements as per BIS Standards
- ◆ Compact and Low Maintenance Design
- ◆ Available with a choice of Primers - Manual or Automatic
- ◆ Easy and convenient mountings
- ◆ Perfect Interchangeability of pump spares
- ◆ Available with Stainless Steel or Gun Metal Constructions
- ◆ CE Certified to EN-1028 - 1 & 2 other Harmonious Standards
- ◆ Fully Compliant to NFPA 1901

Pump Body	Impeller	Impeller Shaft	Wear Rings	Shaft Seal	Intake	Safety Valve	Discharge Outlets
Gunmetal Stainless Steel Aluminium	Gunmetal Stainless Steel	Stainless Steel	Bronze Stainless Steel	Maintenance Free Mechanical Seal	140 mm 200 mm Round Threaded	Thermal Relief Valve Pressure Relief Valve	6 Way Manifold Option

Description	NKMP 2000	NKMP 3000	NKMP 4000	NKMP 6000
Rated Performance (Low Pressure)	2250 LPM @ 8.5 Bar 2000 LPM @ 10 Bar	3200 LPM @ 8.5 Bar 3000 LPM @ 10 Bar	4500 LPM @ 8.5 Bar 4000 LPM @ 10 Bar	6500 LPM @ 8.5 Bar 6000 LPM @ 10 Bar
Rated Performance (High Pressure)	400 LPM @ 40 Bar	400 LPM @ 40 Bar	400 LPM @ 40 Bar	400 LPM @ 40 Bar
Maximum Shaft Speed	3600 RPM	3600 RPM	3600 RPM	3600 RPM
Maximum Suction Lift	8 Meters	8 Meters	8 Meters	8 Meters
Suction Inlet	100 mm	140 mm	140 mm	200 mm

## Ultra High Pressure Pump - Engine Driven

### PUMP

The high pressure unit produces fine mist at 100 bar which greatly increases cooling and extinguishing properties of water. Water consumption is drastically reduced and extinguishing operation accelerated. The revolutionary technology decreases the fire knock down time drastically.

#### Item Code # NFF-PU-UHP (ENGINE)

- ◆ Available in 100 Bar and 150 Bar Pressure versions
- ◆ Foam Induction from 0 – 6% (Optional)
- ◆ Auto Throttle Control (Optional)
- ◆ Pistol Grip Nozzles for Water and Foam (with foam attachment)
- ◆ Diesel Versions available on request



Engine	14 HP (Petrol)	18 HP (Petrol)
Pump	Plunger Pump	Plunger Pump
Capacity	42 LPM	42 LPM
Pressure	100 Bar	150 Bar

## Ultra High Pressure Pump - PTO Driven

### PUMP

The high pressure pump can be connected to the Power Take Off unit of Fire Truck to obtain flows as high as 150 Litres per Minute with a pressure of 100 Bar. Higher flow provides for a better throw and reach.

- ◆ Available in 3 Plunger and 6 Plunger versions
- ◆ Foam Induction from 0 – 6% (Optional)
- ◆ Pistol Grip Nozzles for Water and Foam (with foam attachment)

#### Item Code # NFF-PU-UHP (PTO)

Pump	Three Plunger Pump	Six Plunger Pump
Capacity	150 LPM	152 LPM
Pressure	100 Bar	100 Bar



## FRP Trailer Fire PUMP



Complete sleek design, body made form FRP light weight and modular body design These systems are best in remote areas where water resource is available but A hydrant network is not available.

Item Code # **NFF-PU-TM-FRP**

Capacity	1800 LPM
Engine Diesel	4 Cylinder

## Trailer Mounted Fire PUMP



Skids for slide in units for Pickup trucks as well as Stand Alone units available. These systems are best in remote areas where water resource is available but a hydrant network is not available.

- ◆ Diesel Engine Driven
- ◆ For continuous duty application
- ◆ Available in Skid, Slide-In or Trailer Versions
- ◆ Can be used for Fire Fighting as well as De-watering
- ◆ Engine Options include Cummins / Ashok Leyland / Tata

Item Code # **NFF-PU-TM**

Capacity	1800 LPM	2400 LPM	3000 LPM	4000 LPM
Engine Diesel	4 Cylinder	4 Cylinder	6 Cylinder	6 Cylinder

## NFF - 500

### PUMP

- ◆ **Type**  
Combination: Pressure / Volume
- ◆ **Intake**  
3" / 4" (75mm / 100mm) BSRT
- ◆ **Or**  
3 ½" (75mm) Female BSP
- ◆ **Discharge**  
2 x 2 ½" (63mm) Female Inst. BS Outlet
- ◆ **Volute Body and Head**  
Marine Grade Aluminium Alloy Heat-Treated To T6 Hardness.
- ◆ **Impeller**  
Marine Grade Aluminium Alloy Fully Enclosed.
- ◆ **Wear Rings**  
Long Wearing Acetyl, Economical to replace.
- ◆ **Shaft Seal**  
Spring loaded Mechanical
- ◆ **Priming**  
Exhaust Ejector Will prime 3 meters in 21 seconds.  
Max. priming up to 7 meters primer.



Frame Type	Length (mm)	Width (mm)	Height (mm)	Dry Weight
Powder Coated Steel	600 mm	500 mm	645 mm	74 Kg (incl. battery)

## NFF - 700

### PUMP

- ◆ **Type**  
Combination: Pressure / Volume
- ◆ **Intake**  
3" / 4" (75mm / 100mm) BSRT
- ◆ **Or**  
3 ½" (75mm) Female BSP
- ◆ **Discharge**  
2 x 2 ½" (63mm) Female Inst. BS Outlet
- ◆ **Volute Body and Head**  
Marine Grade Aluminium Alloy Heat-Treated To T6 Hardness.
- ◆ **Impeller**  
Marine Grade Aluminium Alloy Fully Enclosed.
- ◆ **Wear Rings**  
Long Wearing Acetyl, Economical to replace.
- ◆ **Shaft Seal**  
Spring loaded Mechanical
- ◆ **Priming**  
Vacuum Vane Type With EMC Fast and easy to use

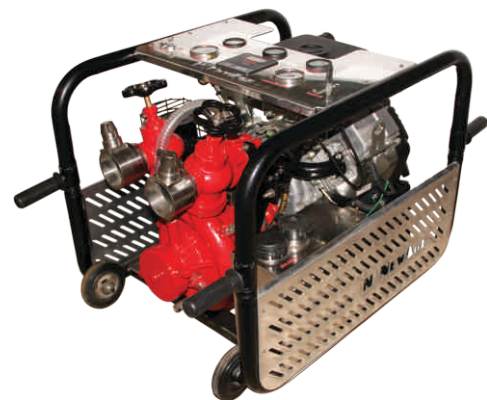


Frame Type	Length (mm)	Width (mm)	Height (mm)	Dry Weight
Powder Coated Steel	630 mm	500 mm	665 mm	87 Kg (incl. battery)

## NFF - 1300

### PUMP

- ◆ **Type**  
Combination: Pressure / Volume
- ◆ **Intake**  
4" (100mm) BSRT
- ◆ **Or**  
3 ½" (75mm) Female BSP
- ◆ **Discharge**  
2 x 2 ½" (63mm) Female Inst. BS Outlet
- ◆ **Volute Body and Head**  
Marine Grade Aluminium Heat-Treated To T6 Hardness.
- ◆ **Impeller**  
Marine Grade Aluminium Alloy CC601 Fully Enclosed.
- ◆ **Wear Rings**  
Long Wearing Acetyl, Economical to replace.
- ◆ **Shaft Seal**  
Spring loaded Mechanical
- ◆ **Priming**  
Exhaust Ejector Will prime 3 meters in 21 seconds.  
Max. priming up to 7 meters primer.  
Optionally Vacuum vane type pump available



Frame Type	Length (mm)	Width (mm)	Height (mm)	Dry Weight
Stainless Steel	750 mm	495 mm	425 mm	110 Kg (incl. battery)

## Ejector PUMP



- ◆ Material of Construction : Aluminum Alloy
- ◆ Working Pressure : Max. 145 PSI, Min. 72 PSI
- ◆ Feed Water Inlet : 2 ½" Instantaneous
- ◆ Suction Inlet : 4" BSRT Male Thread
- ◆ Suction Outlet : 4" BSRT Male Thread
- ◆ Max. Suction Depth : 10 Meters

Item Code	Performance
NFF-PU-EP	170 GPM @ 100 PSI

## Adjustable Ejector PUMP



- ◆ The adjustability features, make it possible to vary the angle of throw of water for effective operation
- ◆ Material of construction : Aluminum Alloy
- ◆ Working Pressure : Max. 10 Bar, Min. 5 Bar
- ◆ Suction Inlet : 2 ½" Male Instantaneous
- ◆ Suction Outlet : 2 ½" Female Instantaneous

Item Code	Feed Water Flow	Flood Water Flow
NFF-PU-AEP	66 GPM @ 100 PSI	140 GPM @ 6 Meter Head

## Turbo PUMP



- ◆ It is a water turbine driven centrifugal pumps
- ◆ Turbine inlet and outlet - 2 ½" female instantaneous
- ◆ Pump Outlet - 2 ½" female instantaneous
- ◆ Strainer Brass
- ◆ Feed water flow - 225 GPM @ 100 PSI
- ◆ Flood water flow - 330 GPM @ 100 PSI

Item Code	Material of Construction
NFF-PU-TP	Gummetal
	Aluminum Alloy

## Metal Suction Strainer

### ACCESSORIES

Item Code	Description
NFF-ACC-MSS	3" BSRT in Brass
	4" BSRT in Brass
	4" BSRT in Aluminum Alloy



## Basket Strainer

### ACCESSORIES

Item Code	Description
NFF-ACC-BSK	Cane



## Rubber Suction Hose

### ACCESSORIES

Item Code
NFF-ACC-PSH/RSH



## Belt & Pouch

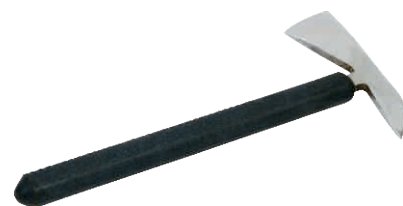
### ACCESSORIES



Item Code
NFF-ACC-BLT

## Fireman Axe

### ACCESSORIES



Item Code
NFF-ACC-AXE

## Hose Ramp MISC EQUIPMENT



- ◆ Material : Reinforced solid Rubber
- ◆ Load Capacity : 20000 Kg
- ◆ Capacity : 2 × 2 ½" hose
- ◆ Weight : 15.5 Kg

Item Code	Description
NFF-HME-HRP	860 mm × 300 mm × 85 mm Size

## Hose Washing machine MISC EQUIPMENT



- ◆ Operating Pressure - 7 bar
- ◆ Material Aluminum Alloy
- ◆ Inlet - 2 ½" Male Inst.
- ◆ Washes hose with Coupling

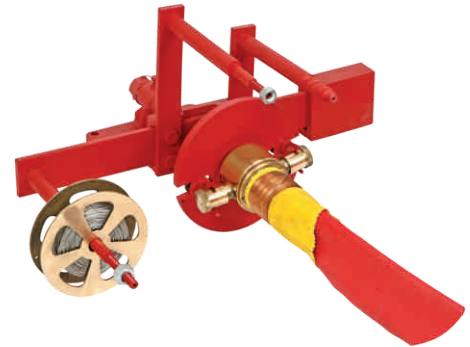
Item Code	Description
NFF-HME-HWM	860 mm × 300 mm × 85 mm Size

## Manual Hose Binding Machine

### MISC EQUIPMENT

- ◆ Binding on with wire delivery hose & suction hoses to coupling
- ◆ Complete with one adapter male & female for 2 ½", 3" & 4"

Item Code	Description
NFF-HME-HWM	860 mm × 300 mm × 85 mm Size



## Electric Hose Binding Machine

### MISC EQUIPMENT

- ◆ Complete Arrangements for riveting, binding with tool kit & adapter
- ◆ Complete set of adapters 2 ½", 3" & 4"
- ◆ Table with drawer arrangement
- ◆ One person can easily operate Low maintenance
- ◆ Available in 220 of 440 volts

Item Code
NFF-HME-EHB



## Hose Coiler

### MISC EQUIPMENT

Coiling the hose has never been so easy. Our hose coiler does the job with virtually zero effort and in a minimum time. Salient features are as below.

#### Item Code # HME-HC

- ◆ Material : Steel
- ◆ Weight : 11 kgs. Approx
- ◆ Dimension : 26" × 18"

#### Features

- ◆ Easy to use
- ◆ Foldable and light weight
- ◆ Hose will be coiled without bending
- ◆ Designed for coiling the hose of up to 2 ½" Diameter and a maximum of 30m in length
- ◆ Requires very little storage space







## Hand Operated Siren MISC EQUIPMENT

- ◆ Cradel Mounted
- ◆ Made out from Aluminum Alloy
- ◆ Range : 1.6 Km

Item Code
NFF-SRN-HO



## Fire Bell MISC EQUIPMENT

- ◆ Made Out from special Bell material
- ◆ Size : 10"
- ◆ Completed with suspension and strike

Item Code
NFF-SRN-FB



## Electric Siren MISC EQUIPMENT

- ◆ Available in Horizontal and Vertical mounted
- ◆ Made out from Aluminum Alloy
- ◆ 12 VDC or 24 VDC V or 440 VAC operated
- ◆ Audiable Range in KM is 0.10 to 16

Item Code
NFF-SRN-EO



## Smoke Generator MISC EQUIPMENT

Smoke Generator is a compact, portable, high performance and reliable smoke machine, capable of producing a large volume of dense, while, non-toxic, non-irritant, non-flammable oil based smoke used particularly by fire brigades, health authorities, Army forces and the entertainment field.

### 1. Model: NI 210A

Power	: AC100V/AC120V/AC230V/AC240V, 50Hz-60Hz
Heater	: 1,000 W
Output	: 10,000 cu.ft./min
First Heat-Up Time	: 5.5 min.
Tank Capacity	: 1.7 liters
Fluid Consumption Rate	: 18 min/liter
Remote Included (Fogging Switch: ON / OFF)	
Accessory Included	: Hanging Bracket
Weight	: 6.6 kg
Dimensions (mm)	: L 433 W 198 H 151

### 2. Model: NI 210B

Power	: AC100V/AC120V/AC230V/AC240V, 50Hz-60Hz
Heater	: 1,500 W
Output	: 20,000 cu.ft./min
First Heat-Up Time	: 8.5 min.
Tank Capacity	: 6 liters
Fluid Consumption Rate	: 9 min/liter (100% output)
Remote Included (LCD Time Remote)	
Weight	: 14 kg
Dimensions (mm)	: L 688 W 285 H 188

## Water Driven

### POSITIVE PRESSURE VENTILATOR

- ◆ It is water turbine driven smoke extractor fan
- ◆ Corrosion resistance stainless steel construction
- ◆ Light weight, Portable
- ◆ Inlet and outlet are 2 1/2" Instantaneous
- ◆ 3 meter long P.V.C. collapsible ducting for carrying smoke



Item Code	Description
NFF-SET-WD	Smoke Extract 55 M <sup>3</sup> / min at 100 PSI Water Inlet Pressure

## Engine Driven

### POSITIVE PRESSURE VENTILATOR

NewAge's PPV fans are for the fire personals who need a high quality PPV fan. The units are able to create maximum airflow because of their mighty engines that offer the highest horsepower in their class. They are easily transportable and space saving as they are designed to compact dimensions of fire / rescue apparatus.

- ◆ Light Weight Design
- ◆ High Air Flow
- ◆ Honda Engines
- ◆ Easy to maintain



Item Code # NFF-SET-EGD

Model	Engine	HP	Fan Size	Weight	Dimensions (mm) (L x W x H)	Air Flow (m <sup>3</sup> /hour)
NFF-GS-16"	Honda	5.5	400 mm x 17 blades	27 Kgs	533 x 508 x 432	19810
NFF-GS-21"	Honda	5.5	540 mm x 7 blades	40 Kgs	641 x 616 x 495	30039
NFF-GS-24"	Honda	5.5	600 mm x 9 blades	52 Kgs	737 x 711 x 531	46750

## Electric Driven

### POSITIVE PRESSURE VENTILATOR

NewAge's Electrically Operated PPV fans are for the fire personals who need a high quality PPV fan. The Units are a single speed, electric, positive pressure fan. They are easily transportable and space saving as they are designed to compact dimensions of fire / rescue apparatus.

- ◆ Light Weight Design
- ◆ High Air Flow
- ◆ Robust Electric Motors for Heavy Duty Application
- ◆ Easy to maintain

Item Code # NFF-SET-ED

Model	Amps (Start / Run)	Power	Fan Size	Weight	Dimensions (mm) (L x W x H)	Air Flow (m <sup>3</sup> /hour)
NFF-EX-16"	18 / 5	1.2 kW 230 V 50Hz-1Ø	400 mm x 17 blades	26 Kgs	480 x 460 x 320	10360
NFF-EX-20"	18 / 5	1.2 kW 380 V 50Hz-1Ø	500 mm x 9 blades	38 Kgs	650 x 630 x 430	16150
NFF-EX-24"	18 / 5	1.5 kW 380 V 50Hz-1Ø	600 mm x 9 blades	47 Kgs	730 x 710 x 490	18360



## Water

### FIRE TENDER



Manufactured as per IS: 950 primarily. Can be customized to suit individual requirements

- ◆ Water Tank available in Stainless Steel, GRP as well as Mild Steel
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ Tank mounted on Subframe with Metacones
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Electronic Tank Level Indicators optionally available
- ◆ Fully Pneumatic Valve Control with CAN BUS System available optionally
- ◆ Gear Box PTO mounted Ultra High Pressure Pump installation optionally available

## Foam

### FIRE TENDER



Manufactured as per IS: 10460 primarily. Can be customized to suit individual requirements

- ◆ Water & Foam Tanks available in Stainless Steel, GRP as well as Mild Steel
- ◆ Varieties of Foam System available
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ Tanks mounted on Subframe with Metacones
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Electronic Tank Level Indicators optionally available
- ◆ Gear Box PTO mounted Ultra High Pressure Pump installation optionally available

## DCP

### FIRE TENDER



Manufactured as per IS: 10993 primarily. Can be customized to suit individual requirements

- ◆ DCP System available in 250 – 4000 Kgs Capacity
- ◆ CO<sub>2</sub> System available in multiples of 22.5 Kgs Capacity
- ◆ DCP Vessels made as per ASME Code Section VIII of ASTM SA -516 (Grade 70) Plates
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ DCP System mounted on Subframe
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available

## Mini High Pressure FIRE TENDER

Meant for Narrow Lane as well as Forest Fire Fighting. Can be customized to suit individual requirements

- ◆ Vehicle made on 2 – 7 Ton GVW Chassis
- ◆ PTO Driven Ultra High Pressure Pump of 70 or 150 LPM @ 100 bar or optionally Engine Driven Ultra High Pressure Pump of 42 LPM @ 100 Bar available
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ Tanks mounted on Subframe with Metacones
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Electronic Tank Level Indicators optionally available



## Water Bauser FIRE TENDER

Meant for replenishing Water to front line fire tenders. Can be customized to suit individual requirements

- ◆ Vehicle made on 25 – 31 Ton GVW Chassis
- ◆ PTO Driven Ultra High Pressure Pump of 70 or 150 LPM @ 100 bar optionally available
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ Tanks mounted on Subframe with Metacones
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Electronic Tank Level Indicators optionally available



## Multi Purpose FIRE TENDER

Manufactured as per IS 10460 primarily. Can be customized to suit individual requirements

- ◆ Water & Foam Tanks available in Stainless Steel, GRP as well as Mild Steel
- ◆ Varieties of Foam System available
- ◆ DCP System available in 50 – 2000 Kgs Capacity
- ◆ CO<sub>2</sub> System available in multiples of 22.5 Kgs Capacity
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ Tanks mounted on Subframe with Metacones
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Electronic Tank Level Indicators optionally available
- ◆ Gear Box PTO mounted Ultra High Pressure Pump installation optionally available



## Rescue & Hazmat FIRE TENDER



Manufactured as per IS 949 primarily. Can be customized to suit individual requirements

- ◆ Vehicle made on 2 – 31 Ton GVW Chassis (Fast Attack, Light Duty, Medium Duty & Heavy Duty)
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Roll – in Roll – out Drawers with Self Locking System for storing equipments
- ◆ Carries Generators, Breathing Air Equipments, Water Rescue, Lighting Equipments, Flood Rescue Equipments as well as Disaster Rescue Equipments.

## Foam Nurser FIRE TENDER



Meant for replenishing Foam to front line fire tenders. Can be customized to suit individual requirements

- ◆ Vehicle made on 16 – 31 Ton GVW Chassis
- ◆ Foam Pump of 500 - 1600 LPM @ 12 - 16 bar available
- ◆ Varieties of Foam System available
- ◆ Superstructure options include Mild Steel, Stainless Steel, Extruded Aluminium Profiles & GRP
- ◆ Tank mounted on Subframe with Metacones
- ◆ MCD France made Aluminium Roller Shutters with LED Lighting optionally available
- ◆ Electronic Tank Level Indicators optionally available

## Cabin Extensions FIRE TENDER



Original Factory manufactured Chassis cabins are extended to include crew cabins. Can be customized with various individual requirements.

- ◆ The strength, shape and looks of the original cabin with fittings remains unchanged.
- ◆ Fully tilting cabin with original factory mechanism modified to carry extra weight
- ◆ Can include up to 6 crew members
- ◆ Various Seating Options including BA Set Backrest Seats available

## Hydraulic Platform - VEMA FIRE TENDER



State of the Art – Fire Fighting & Rescue Platforms are manufactured by Vema Lift Oy., Finland

- ◆ Platforms are certified to EN1777 and EN280
- ◆ Available from working heights of 19 – 70 meters
- ◆ Unique Three Boom Design System meant for better reaches and versatility of operations
- ◆ Self Diagnostic System for easy maintenance and trouble shooting
- ◆ Stainless Steel Bodywork
- ◆ Optional attachments and accessories include Generators, Breathing Air Equipments, Hydraulic Rescue Equipments, Escape Chute, Thermal Imager as well as Video Camera with recorder, Stretcher Carrier etc.

### TFL Series

Models	Working Height	Outreach	Cage Load
273 TFL	27.5 mtrs	21.0 mtrs	400 Kgs
323 TFL	32.0 mtrs	21.0 mtrs	400 Kgs
333 TFL	33.0 mtrs	25.5 mtrs	400 Kgs
383 TFL	38.0 mtrs	22.0 mtrs	400 Kgs
453 TFL	45.0 mtrs	26.0 mtrs	400 Kgs
553 TFL	55.0 mtrs	23.0 mtrs	450 Kgs

### F Series

Models	Working Height	Outreach	Cage Load
28 F	28.5 mtrs	24.0 mtrs	500 Kgs
32 F	32.0 mtrs	24.0 mtrs	500 Kgs
34 F	34.0 mtrs	25.0 mtrs	500 Kgs
38 F	38.0 mtrs	25.0 mtrs	500 Kgs

### Combi Series

Models	Working Height	Outreach	Cage Load
192 TF	19.0 mtrs	13.5 mtrs	280 Kgs
242 TF	24.0 mtrs	13.5 mtrs	280 Kgs
282 TF	28.0 mtrs	16.0 mtrs	280 Kgs

### Water Foam Tower (TWT Series)

Models	Working Height	Outreach
28 F	28.5 mtrs	24.0 mtrs
32 F	32.0 mtrs	24.0 mtrs
34 F	34.0 mtrs	25.0 mtrs
38 F	38.0 mtrs	25.0 mtrs

## Boom Tower FIRE TENDER



- ◆ Outrigger Leveling Automatic
- ◆ Leveling Angles Up to 5°
- ◆ 360° Continuous Rotation
- ◆ DN 100 Water Way
- ◆ CANBUS Control System
- ◆ Hydraulic System with Failure Lock
- ◆ High Strength Steel
- ◆ Non-Corrosive Water Pipe
- ◆ Wireless Remote Control with 100 meter Range
- ◆ Remote Control Water Monitor (Optional)
- ◆ IR Detector, CCTV, Thermal Imaging Camera, Search Light Mounting available (Optional)

Model	Working Height	Working Outreach	Max. Transp. Height	Max. Total Weight
NK15	15 m	6.5 m	4.0 m	4.5 Tons
NK18	18 m	9.0 m	4.0 m	4.5 Tons
NK20	20 m	9.0 m	4.0 m	5.0 Tons
NK23	23 m	11.5 m	4.0 m	5.0 Tons





## Foam Skid with Inline Balance Proportioning System

SKID

Skids for slide in units for Pickup trucks as well as Stand Alone units available. These systems are available in various configurations including a foam pump of various sizes.

- ◆ Tanks available in Stainless Steel as well as GRP
- ◆ Inline Balance Pressure Proportioning System Optional
- ◆ Available with an option of Foam Pump or a Foam Inductor
- ◆ Foam Pump can be Electric, Engine Driven or Hydraulically Driven
- ◆ Foam Pumps available from 20 GPM to 300 GPM



Foam Tank Capacity (Litres)	100	250	500	800	1000	1500	2000
With ILBP (Inches)	3"	4"	6"	8"	10"	12"	

\*Also available in custom sizes

## Foam Skid (Tank - 15000 LTRS)

SKID



## Foam Skid (Tank - 800 LTRS)

SKID



## Inline Balance Proportioning System

SKID



## CAFS

SKID

Skids for slide in units for Pickup trucks as well as Stand Alone units available. These systems are available in various configurations including a customized nozzle flow and hose reel lengths.

- ◆ Tanks available in Stainless Steel as well as GRP
- ◆ Nitrogen Expelled Systems
- ◆ System Designed with or without a Mixing Chamber
- ◆ Specialized Nozzles with foam cone (when system is used without Mixing Chamber) available
- ◆ Various Hose Reel Lengths available

Capacity (Litres)

100 250 500 800 1000 1500 2000

- ◆ Also available in custom sizes

## Hydraulic Rescue Tools

### RESCUE EQUIPMENT

NewAge brings you world class Hydraulic Rescue Protection Products from **Holmatro BV, The Netherlands**. A wide variety of Cutters, Combination Tools, Rescue Rams and Power Units are available from the **Holmatro House**.



For more information, please log on to [www.holmatro.com](http://www.holmatro.com)

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