

nica fire

Almost All About Fire Fighting



CATALOGUE

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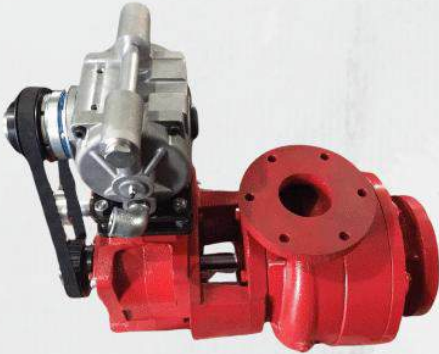


Fire Truck Sets

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**SPECIAL
OFFER**

NEW



FIRE PUMP 1500 LT/MIN



ROLLER SHUTTER



1500/2400 LT/MIN MONITOR



**POWER TAKE-OFF WITH
FLANGE OUTPUT**



DRIVE SHAFT



CONTROL PANEL

1500 lt pump set includes:

- 1500lt aluminum pump with built in rpm increaser and priming (bare pump)
- Ready to use with side PTO
- 1500/2400 lt/min water monitor with nozzle
- 3 pcs of standard dimension Roller shutters
- Side PTO (Isuzu, Mitsubishi or Hino or equivalent)
- Drive Shaft between Side PTO and Water pump.
- Water Pump control panel with full of gauges and control buttons



**SPECIAL
OFFER**

NEW



FIRE PUMP 1200 LT/MIN



1200 LT/MIN MONITOR



ROLLER SHUTTER



**POWER TAKE-OFF WITH
FLANGE OUTPUT**



DRIVE SHAFT



CONTROL PANEL

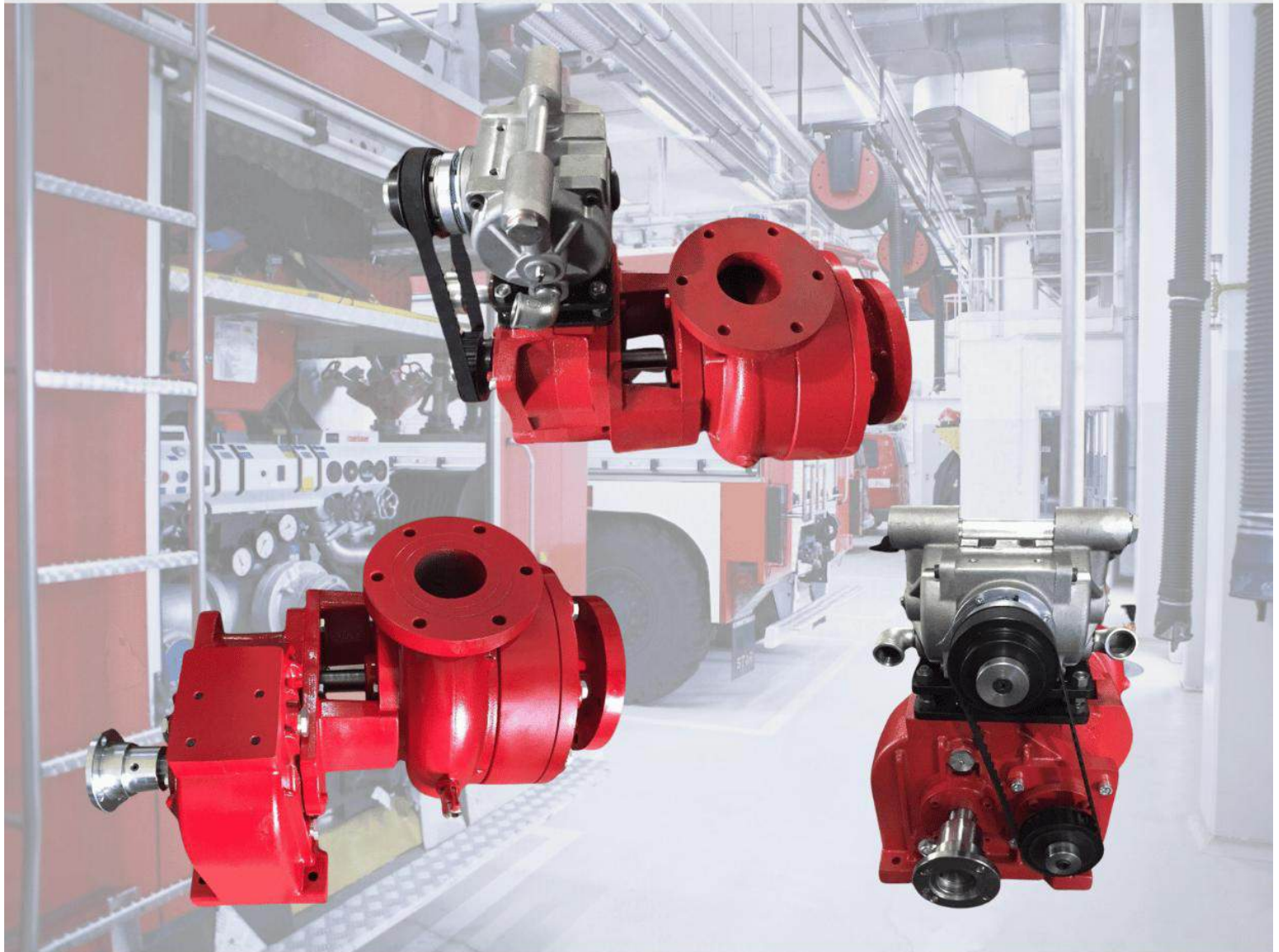
1200 lt pump set includes:

- 1200lt aluminum pump with built in rpm increaser and priming (bare pump)
- Ready to use with side PTO
- 1200lt/min water monitor with nozzle
- 3 pcs of standard dimension Roller shutters
- Side PTO (Isuzu, Mitsubishi or Hino or equivalent)
- Drive Shaft between Side PTO and Water pump.
- Water Pump control panel with full of gauges and control buttons



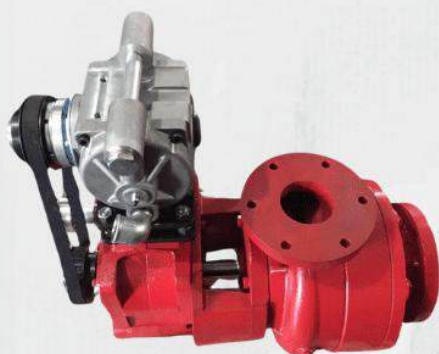
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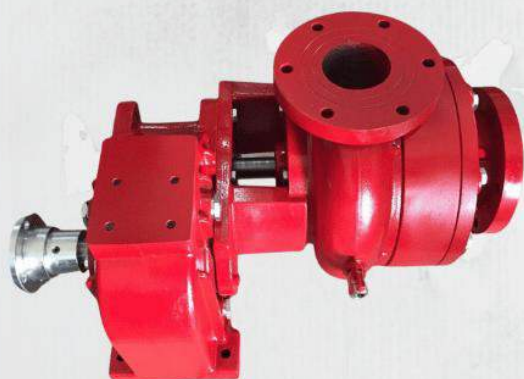
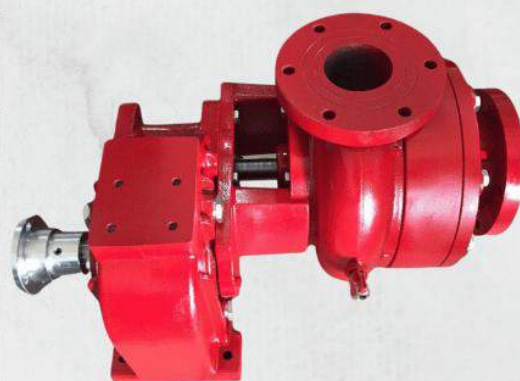
Water Pumps

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WATER PUMP NCPV 01	
Type	Description
Type	Double Stage- Priming
Inlet-Outlet	4"-3"
Power	35 HP
Flow Rate	1500 lt/min
Rotation	2900 per/min
Pressure	10-12 bar

WATER PUMP NCP 01	
Type	Description
Type	Single/Double Stage
Inlet-Outlet	4"-3"
Power	35 HP
Flow Rate	1500 lt/min
Rotation	2900 per/min
Pressure	10-12 bar



WATER PUMP NCP 02	
Type	Description
Type	Single/Double Stage
Inlet-Outlet	4"-3"
Power	35 HP
Flow Rate	1200 lt/min
Rotation	2900 per/min
Pressure	10-12 bar

TECHNICAL DETAILS FOR ALL PUMP MODELS

- BUILD-IN RPM INCREASER INTERNAL RATIO ½.66 (IN:1 OUT:2,66)
- MECHANICAL SEAL BRAND IS EAGLEBURGMANN
- AUTOMATIC SUCTION (VACUUM) SYSTEM CAN BE INSTALLED
- MATERIAL OPTIONS : ALUMINIUM OR CAST IRON
- BRASS PUMP SHAFT BEDDING
- LOW-LEVEL SOUND(REISHAUER GRINDED)
- TEMPERATURE : +50 / -25
- OIL GEAR BOX : 10/40 1.5 LT
- BEARING: ZKL 3306 –NACHI 6207



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Aluminium Roller Shutters

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Aluminum roller shutters are custom-made with double-walled, installable slats crafted from extruded aluminum, measuring 30–40 mm in height.

These doors can be used to close compartments or serve as loading and access doors in all types of vehicles, replacing conventional hinged doors.

They are delivered as separate parts, ready for installation.

- 1 assembled door
- 1 pair of aluminium tracks ready to be fixed into position
- 1 tensed roller
- 1 bag of accessories

The standard finish is RAL 7035 satin-finish powder-coated grey, but it can also be supplied in RAL 9010, anodized, mill, or any other RAL color upon request.

Technical Details		
Max.	Value	Unit
Height	2400	mm
Weight	2400	mm
Area	5	m2

*Door weight for 1 m2 is 12kg



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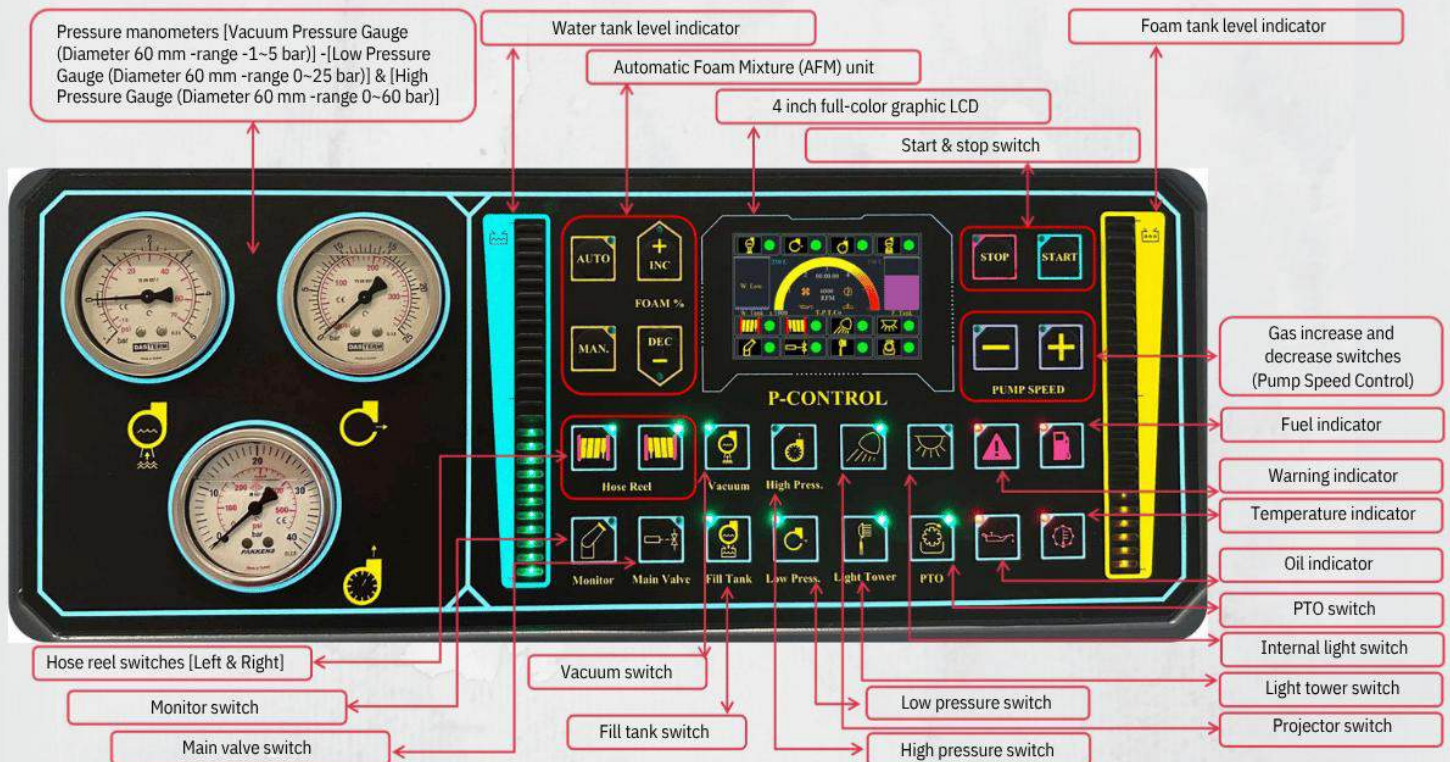
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Fire Truck Control Panels

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FULL PROFESSIONAL FIRE TRUCK CONTROL PANEL



ADDITIONAL PRODUCT FEATURES

- F4-Series ARM based VL Noise, high reliability processor
- Intelligent algorithm to avoid of dangerous operation
- Using of 3 independent switching regulators (Back Light, Coil Drivers & Sensors Power Supply, Processor Power Supply) to achieve maximum in-out isolation and maximum power gain
- Operating voltage 12, 24 volts. Up to 11 coil drivers (Such as pneumatic valves bobbin, Fans, lights)
- Up to 3 digital RPM sensor inputs Up to 5 universal analog input in range [0 –12 volts or 0-20 mA] such as water tank level, foam tank level, transmission oil-level, Engine-temperature, transmission temperature & etc.
- Capability to add new algorithm to control new devices up to 7 Type different pumps such as: 1200, 1500, 2000, 3000, 4000, 6000, 10000, series pumps.
- User friendly setup for selecting device, defining active function buttons, gear ratio, high RPM alert value, RPM sensor setup, water & foam tank level sensor setup, ...
- Directly contact and switch with T-Control

***Control panel comes with all required sensors.**

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Fire Truck Water Monitors

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Manuel Water Monitor		
Code	Input-Output	Capacity
NM-1	3" - 2½"	2400 lt/min

- Flow rate 2400 liters / minute
- 340 degree rotation movement horizontally
- Vertical motion of +70 -20 degrees
- Built in pressure gauge
- Aluminum body
- Jet-fog featured nozzle

Electric Control Water Monitor		
Code	Input-Output	Capacity
NM-2	4" - 2½"	2400 lt/min

- Flow rate 2400 liters / minute
- 340 degree rotation movement horizontally
- Vertical motion of +70 -20 degrees
- Wired joystick or remote control
- Aluminum body
- Jet-fog featured nozzle



Water Monitor Fog Heas (With bronze body)		
Code	Input-Output	Capacity
NM-3	2½" - 2½"	1200 lt/min



- The monitor is designed to throw water
 - The main body of the monitor has 2 types: special aluminum alloy casting and bronze casting
 - There is a fog head. Barrel and body are individually locked.
 - It has been tested at 25kg / cm² pressure and it rotates 360 degrees on its axis and easily throws water to the desired area with 120 degrees of vertical movement.
 - The monitor is 45-50 mt at 8-10 bar pressure. There is a water shot.
 - Self-priming foam lance can be installed optionally.
- It is used in fire trucks, ships, petrochemical plants.



- Special aluminum alloy body.
- Adjustable up to 120 degree vertical position and can be locked.
- Rotatable around its own axis up to 360 degree.
- The special alloyed aluminum body is resistant to pressure of 25 kg/cm.
- Protected special design body against the corrosion.
- 45-50 meter distance water flow with 8-10 bar.
- Comes with Fog-Jet Nozzle
- 1200/1500 lt/min water discharge capacity



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Fire Truck Valves

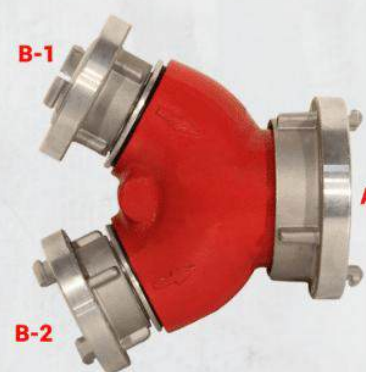
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Angle Valve		
Code	Description	Certification
NC-14	2½ inside threaded x outside threaded	UL/FM

Fire Department Connection			
Code	A (inch)	B-1 (inch)	B-2 (inch)
NC-16	2½	2	2
NC-17	2½	2	2½
NC-18	4	2½	2½

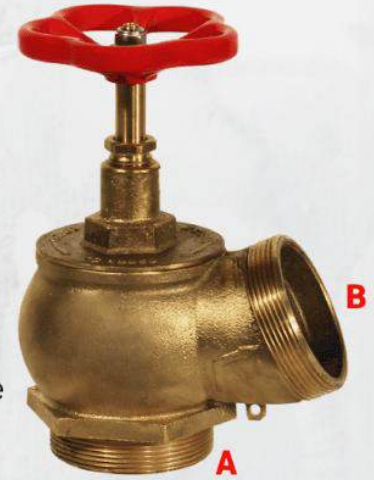
- Body, globe and caps are made of solid aluminum.
- 2,5 "water inlet and 2 x 2" water outlets.
- 4 "water inlet and 2" 2,5 "water outlet options are available.
- Working pressure is 25 Bar.



Fire Valve with Female Threaded Coupling		
Code	A (inch)	B (inch)
NC-19	2	2
NC-20	2½	2½

- It has TS 12259 Standard Certificate.
- Operating pressure is 16 Kg/cm².
- The main body of the valve is made of yellow material with the method of gravity removal.
- It contains a sealing gasket.
- The on / off butterfly is aluminum injection molded and electrostatic powder painted.
- Butterfly fully opens / closes the valve in 3 cycles.
- It works waterproof with external pass and after connection.
- Valve shaft and stem nut are processed from MS 58 yellow material.

Fire Valve Without Coupling		
Code	A (inch)	B (inch)
NC-21	1½	1½
NC-22	2	2
NC-23	2½	2½



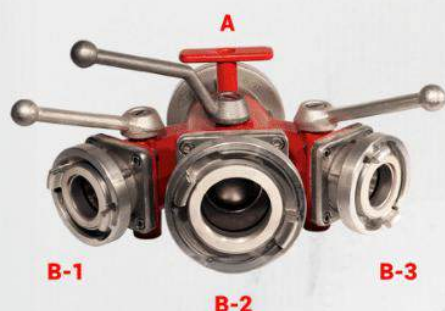
- It has TS 12259 Standard Certificate.
- Operating pressure is 16 Kg / cm².
- The main body of the valve is made of yellow material by the method of gravity removal.
- It contains a sealing gasket.
- The on / off butterfly is aluminum injection molded and electrostatic powder painted.
- Butterfly fully opens / closes the valve in 3 cycles.
- It works waterproof with external pass and after connection.
- Valve shaft and stem nut are processed from MS 58 yellow material.
- The main body is machined to be mounted on 1½ ", 2" and 2.5 " sized water installation pipe



Hydrant Valve Without Coupling		
Code	A (inch)	B (inch)
NC-3	3	2½
NC-4	2½	2½

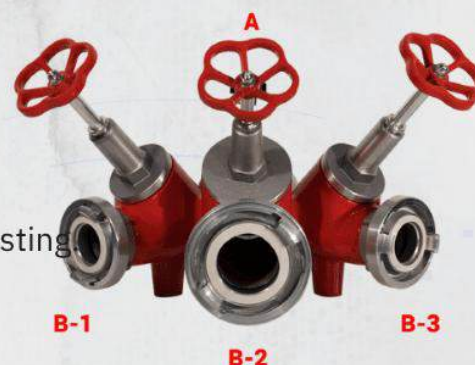
Lever Ball Valve		
Code	A (inch)	B (inch)
NC-5	1½	1½
NC-6	2	2
NC-7	2½	2½





Three Way Divider (With Ball Valve)				
Code	A (inch)	B-1 (inch)	B-2 (inch)	B-3 (inch)
NC-24	2½	1½	1½	1½
NC-25	2½	2	2	2
NC-26	2½	2	2½	2

Three Way Divider (With Screw Down Valve)				
Code	A (inch)	B-1 (inch)	B-2 (inch)	B-3 (inch)
NC-11	2½	1½	1½	1½
NC-12	2½	2	2	2
NC-13	2½	2	1½	2



- Body, valves, valve covers, valve butterflies are sand casting.
- Valve shaft is solid brass material.
- Operating pressure is 25 Bar.
- The water inlet is 2.5 ".
- There are 3x1,5 " - 3x2" - (2x2 "1x2,5") variants for water outlet.



Two-Way Divider (With Screw Down Valve)		
Code	A (inch)	B (inch)
NC-8	2½	1½
NC-9	2½	2
NC-10	2½	2½

- Body, valve, valve covers, butterflies are made of aluminum sand casting.
- Valve shafts are made of yellow solid material.
- Operating pressure is 25 Bar.
- The water inlet is 2.5 ".
- There are 2x1,5 " - 2x2" - 2x2,5 "types for water outlet.

Two-Way Divider With Ball Valve - Waygate

Code	A (inch)	B (inch)
NC-1	2½	2½
NC-2	2½	2

- The body is bronze cast.
- Test pressure 30kg / cm
- The sealing gasket is made of Teflon.
- There are 2 control buttons.
- The sleeves are nickel plated.
- The water inlet is 2.5"
- Water output can be 1,5" or 2" depending on request.



UL-FM Certified Fire Department Connection

Code	A (inch)	B-1 (inch)	B-2 (inch)
NC-27	4	2½	2½

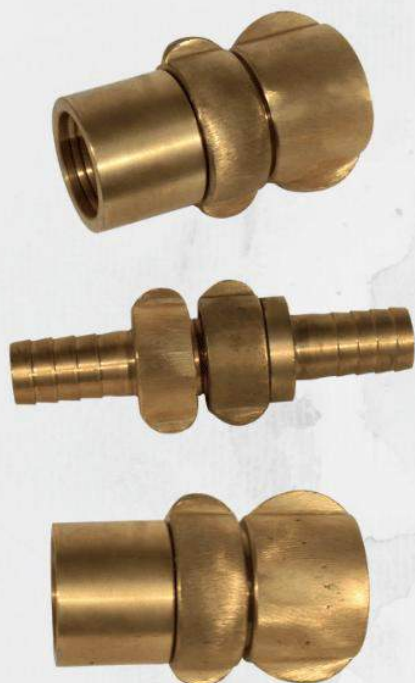
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Fire Hose Couplings

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American Type Hose Coupling	
Code	Diameter (inch)
NCA-1	1
NCA-2	1½
NCA-3	2½
NCA-4	2/66 Nail / 1½ 48 Pipe
NCA-5	2/66 Nail / 1½ 66 Pipe
NCA-6	2/66 Nail / 1½ 89 Pipe

- It has ring inside.
- It must be tightened and fixed.
- It is made of bronze casting.
- The 1 "ones are tightened and fixed with clamps.
- Available in 1 " - 1,5" - 2 " - 2,5" variants.
- Area of use: Used in hose ends, refineries.

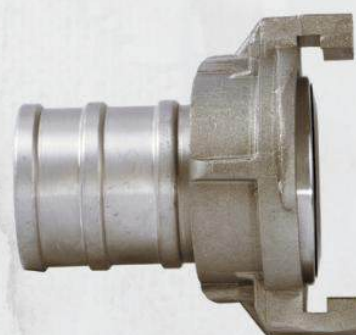
British Type Hose Coupling		
Code	Diameter (inch)	Max. Work. Pressure (BAR)
NCB-1	1½	24
NCB-2	1	24
NCB-3	2½	24
NCB-4	2½ - 1½	24
NCB-5	2½ - 2	24



- Body is aluminum sand casting.
- It has rubber gasket.
- It consists of 2 yellow lock lugs, 2 yellow lock ear holders, 2 lock holder caps, 2 springs and 2 washer caps.
- (1.5 " - 1.5") - (1.75 " - 1.75") - (2 " - 2") - (2.5 " - 1.5") - (2.5 " - 2 ") - (2,5" - 2,5 ") options are available.
- Area of use: It is used at hose ends.

DSP French Type Hose Coupling (With Lock)

Code	Diameter (inch)	Max. Work. Pressure (BAR)
NCF-1	1½	25
NCF-2	2½	25



GOST Type Hose Coupling

Code	Diameter (inch)	Max. Work. Pressure (BAR)
NCG-1	2	24
NCG-2	2½	24
NCG-3	3	24

- Russian model.
- Made of aluminum metal injection method
- Unions are covered with protective paint against corrosion or tin.
- Union claws can be easily fitted to each other, lance and valve unions.
- Unions can be used up to 25 bar without leakage.
- Union seals are made of water resistant, non-fibrous material and do not leak under maximum pressure.
- The pipe part of the fittings is 67 mm. Long.
- The pipes of the fittings have 3 nodes.
- 2" - 2,5" - 3" options are available.
- Area of use: It is attached to the hose ends.

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Fire Nozzles

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Product Features

- It is made of cast bronze and covered with Ni- Cr.
- It is designed to produce water curtain like fan.
- Ideal for fire protection adjacent to tanks. ➤ Protects materials from flame.

- 1½ " and 2½ " BSP inlet sizes are available.
- The curtain angle is 10 meters. width / 5 mt. height - 11 mt. width / 6mt. height. Flow rate 400lt./min.
- The weight is 5.8 kg.
- Material options are aluminum and bronze.
- Flow rates: 190-250-350-430-750 lt / min.

2½" Water Curtain Nozzle	
Code	Connection
NCN-13	2.5

Usage Areas

- Industrial public and fire brigades
- Civil and mining engineering applications
- Agricultural practices and irrigation
- Military institutions



Branchpipe Nozzles (Aluminum)		
Code	Connection	Connection Diameter (mm)
NCN-14	1½	51
NCN-15	2	66
NCN-16	2½	89

Product Features

- TS 3145 Lans - For Fire Hoses
- The tube of the lance is aluminum and its outer surface is covered with rubber.
- It has a control lever that can operate in two positions (closed, open).
- There is a sealing gasket in the connection part to the record.
- Made in German type.
- The fog quenching tolerance of the nozzle is between 0 (zero) degrees and 120 (one hundred and twenty) degrees.
- The weight of the nozzle is 1.250 kg.
- 2" - 2,5" options are available.
- It is TSE 3145 certified.
- Used on hose ends.

Branchpipe Nozzles With Controller Handle (Aluminum)		
Code	Connection	Connection Diameter (mm)
NCN-17	1½	51
NCN-18	2	66
NCN-19	2½	89



Branchpipe Nozzles (ABS)		
Code	Connection	Connection Diameter (mm)
NCN-20	1½	51
NCN-21	2	66
NCN-22	2½	89



Bronze Fog Nozzles		
Code	Connection	Connection Diameter (mm)
NCN-8	2	66
NCN-9	2½	89

Product Features

- The body is sand cast in ring yellow material.
- It consists of body and ring.
- Operating pressure is 25 Bar.
- It is covered with rubber.
- Available in 2 "and 2,5" versions.
- It is attached to the hose ends.

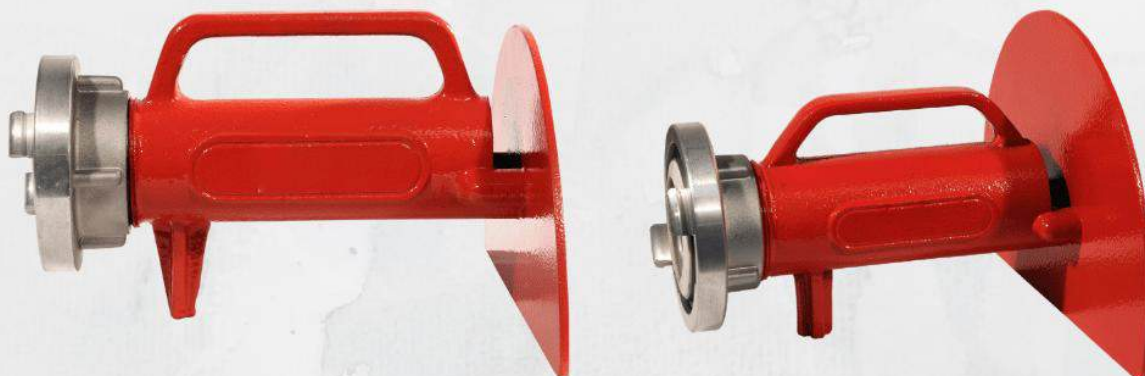
Cellar Nozzle	
Code	Connection
NCN-7	2.5

Product Features

- It is made of cast bronze and covered with Ni-Cr.
- 2½ " BSP threaded.
- It is designed to reach areas that are difficult in fire.
- It has holes at 9 different angles.
- 1060 lt / min.



Fog Nozzles		
Code	Dimension (inch)	Feature
NCN-1	1	-
NCN-2	1	With O-ring
NCN-3	1	-
NCN-4	2	-
NCN-5	2	With diffuser



Water Curtain	
Code	Connection
NCN-10	1½
NCN-11	2
NCN-12	2'



Cellar Nozzle	
Code	Connection
NCN-6	2

Product Features

- Light, solid aluminum and stainless steel
- Closing with ball valve
- 50 " length measure
- Working pressure 100 psi or 7 bar
- Connection input 2.5 "
- Storz NH, British, Japanese standard connection inputs
- Usage areas; homes, cars & trucks, garages, mobile homes

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Fire Hoses

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Product Features

- TS 9222 - TS EN 14540 Certified Hoses - Firefighting Vehicles Used in Fire Fighting,
- Industrial and public fire brigades,
- Military institutions,
- In marine fire extinguishing applications,
- Used in Private Sector, Civil and mining engineering applications.

A Type Fire Hoses

Code	Type	Internal Diameter (inch)	Internal Diameter (mm)	Width (mm)	Length
NCH-1	D-25	1	25	39	20 mt
NCH-2	D-25	1	25	39	25 mt
NCH-3	D-25	1	25	39	30 mt
NCH-4	C-38	1½	38	60	20 mt
NCH-5	C-38	1½	38	60	25 mt
NCH-6	C-38	1½	38	60	30 mt
NCH-7	C-42	1¾	42	65	20 mt
NCH-8	C-42	1¾	42	65	25 mt
NCH-9	C-42	1¾	42	65	30 mt
NCH-10	C-52	2	52	85	20 mt
NCH-11	C-52	2	52	85	25 mt
NCH-12	C-52	2	52	85	30 mt
NCH-13	C-64	2½	64	100	20 mt
NCH-14	C-64	2½	64	100	25 mt
NCH-15	C-64	2½	64	100	30 mt
NCH-16	C-70	2¾	70	110	20 mt
NCH-17	C-70	2¾	70	110	25 mt
NCH-18	C-70	2¾	70	110	30 mt
NCH-19	B-75	3	75	120	20 mt
NCH-20	B-75	3	75	120	30 mt
NCH-21	B-75	3	75	120	30 mt
NCH-22	A-110	4	110	160	20 mt
NCH-23	A-110	4	110	160	25 mt
NCH-24	A-110	4	110	160	30 mt

Usage Areas

- Hoses are manufactured in lengths of 20-25-30 meters according to their inner diameter.
- Sturdy, durable and light physical structure.
- Special coating providing resistance to chemicals and sea water.
- TPE and PVC options
- Resistant to UV rays, ozone and weather conditions.
- Very high compressive and bending / folding strength.
- Resistance to mud and mold.



Product Features

- Inner and outer coating of the hoses are produced using 1st class PVC.
- Thickness is homogeneous.
- The outer surface of the hose is red and the inner layer is black. 2200 DTEX industrial polyester yarn is used as reinforcement between the two layers.
- Hoses are 1 '(inch) and inner diameter of hoses is 25mm (\pm 1mm).
- Hoses are manufactured in lengths of 20-25-30-40-50-60-100 meters.
- Hoses are produced in accordance with TS EN 694: 2014: A1 standard.
- Working pressure of hoses is 12 Bar, burst pressure is 44 Bar.
- Hoses do not leak and sweat at 24 Bar test pressure.
- Hoses are packaged in the form of rolls and not falling apart.

B Type Fire Hoses

Code	Internal Diameter (inch)	Internal Diameter (mm)	Length	Color
NCH-25	1'	25	100	Red
NCH-26	1	25	20	Red
NCH-27	1'	25	25	Red
NCH-28	1	25	30	Red
NCH-29	1'	25	40	Red
NCH-30	1	25	50	Red
NCH-31	1'	25	60	Red
NCH-32	1	25	100	Black
NCH-33	1'	25	20	Black
NCH-34	1	25	25	Black
NCH-35	1'	25	30	Black
NCH-36	1	25	40	Black
NCH-37	1'	25	50	Black
NCH-38	1	25	60	Black

Usage Areas

- TS EN 694: 2014 Semi-Rigid Fire Hose for Fixed Systems



Product Features

- It is manufactured as a woven jacket layer (plain weave) from high strength industrial polyester weft and warp yarn.
- It has a special woven structure that minimizes pressure losses.
- It provides excellent protection against physical and chemical damage between the inner and outer coating layer.
- Hoses are manufactured in lengths of 20-25-30

meters according to their inner diameter.

- One-step production method is used by “through-the-weave” extrusion method using a specially formulated thermo-rubber mixture.
- It has a smooth inner layer that reduces friction loss and a special coating that increases resistance to oils, chemicals and friction.
- It has a non-porous outer layer that prevents harmful chemicals from damaging the textile layer.

C Type Fire Hoses

Code	Type	Internal Diameter (inch)	Internal Diameter (mm)	Width (mm)	Length
NCH-39	C-38	1½	38	60	20
NCH-40	C-38	1½	38	60	25
NCH-41	C-38	1½	38	60	30
NCH-42	C-52	2	52	85	20
NCH-43	C-52	2	52	85	25
NCH-44	C-52	2	52	85	30
NCH-45	C-64	2½	64	105	20
NCH-46	C-64	2½	64	105	25
NCH-47	C-64	2½	64	105	30
NCH-48	C-70	2¾	70	110	20
NCH-49	C-70	2¾	70	110	25
NCH-50	C-70	2¾	70	110	30
NCH-51	C-75	3	75	120	20
NCH-52	C-75	3	75	120	25
NCH-53	C-75	3	75	120	30
NCH-54	A-100	4	100	160	20
NCH-55	A-100	4	100	160	25
NCH-56	A-100	4	100	160	30

Usage Areas

- TS 9222 - TS EN 14540 Certified Hoses - Firefighting Vehicles Used in Fire Fighting,
- Industrial and public fire brigades,

- Military institutions,
- In marine fire extinguishing applications,
- Used in Private Sector, Civil and mining engineering applications.



Product Features

- Woven reinforcement layer of high strength industrial polyester weft and warp yarn
- It is manufactured as 2/1 twill (woven herringbone) with double warp yarn.

- In order for the weaving layer to resist friction longer, it is woven with 2-ply warp yarn.
- Hoses are manufactured in lengths of 20-25-30 meters according to their inner diameters.
- It is produced with specially formulated rubber.
- It has an inner lining that reduces friction loss and ensures strong adhesion to the fabric surface.
- Special inner coating (lining) layer that can provide lower (-20 ° C) temperature resistance.
- It has a special inner lining that increases its resistance to UV rays, the negative effects of the atmosphere and ozone layer, oils and chemicals.

D Type Fire Hoses

Code	Type	Internal Diameter (inch)	Internal Diameter (mm)	Width (mm)	Length
NCH-57	D-25	1	25	39	20
NCH-58	D-25	1	25	39	25
NCH-59	D-25	1	25	39	30
NCH-60	C-38	1½	38	60	20
NCH-61	C-38	1½	38	60	25
NCH-62	C-38	1½	38	60	30
NCH-63	C-42	1⅔	42	65	20
NCH-64	C-42	1⅔	42	65	25
NCH-65	C-42	1⅔	42	65	30
NCH-66	C-52	2	52	85	20
NCH-67	C-52	2	52	85	25
NCH-68	C-52	2	52	85	30
NCH-69	C-64	2½	64	105	20
NCH-70	C-64	2½	64	105	25
NCH-71	C-64	2½	64	105	30
NCH-72	C-70	2¾	70	110	20
NCH-73	C-70	2¾	70	110	25
NCH-74	C-70	2¾	70	110	30
NCH-75	B-75	3	75	120	20
NCH-76	B-75	3	75	120	25
NCH-77	B-75	3	75	120	30
NCH-78	A-100	4	100	160	20
NCH-79	A-100	4	100	160	25
NCH-80	A-100	4	100	160	30
NCH-81	A-110	4	110	170	20
NCH-82	A-110	4	110	170	25
NCH-82	A-110	4	110	170	30

Usage Areas

- TS 9222 - TS EN 14540 Certified Hoses - Fire Trucks Used in Fire Fighting,
- Military Institutions,

- Forest Management Directorates,
- Firefighting Directorates,
- Refineries, energy and industrial facilities are used in fire protection systems.



Product Features

- TS EN 694: 2014 Semi-Rigid Fire Hose Used for Fixed Systems
- Hoses are 1 '(inch) and inner diameter of hoses is 25mm (± 1 mm).
- It has a solid, durable and light physical structure.
- It is resistant to UV rays, ozone and weather conditions.
- It has a semi-rigid structure and is easy to use.
- There is an inner lining that can provide flexibility at very low temperatures.
- It has a round form supported with high strength, 2200 dtex, industrial polyester, weft yarn and 384 filament yarn.
- It is produced with double knitting yarn that increases resistance to high pressure.
- It is produced using specially formulated PVC.
- It has a primer and an outer cover layer that reduces friction loss and provides strong adhesion to the woven surface.

E Type Fire Hoses			
Code	Internal Diameter (inch)	Internal Diameter (mm)	Width (mm)
NCH-83	1	25	39

Usage Areas

- Industrial public and fire brigades
- Civil and mining engineering applications
- Agricultural practices and irrigation
- Military institutions



Product Features

- It has a reinforcement layer woven from high strength, industrial polyester weft and warp yarn.
- It is manufactured with 2/1 twill (herringbone)

weaving with double warp yarn.

- Polyurethane Coating
- It is coated with specially formulated polyurethane to increase the friction resistance.
- Hoses are manufactured in lengths of 20-25-30 meters according to their inner diameter.
- It is produced with specially formulated PVC.
- It has a primer layer that reduces friction loss and provides strong adhesion to the woven surface.
- It has a special inner coating (lining) layer that can provide low (-20°C) temperature resistance.

F Type Fire Hoses

Code	Type	Internal Diameter (inch)	Internal Diameter (mm)	Width (mm)	Length
NCH-84	D-25	1	25	39	20
NCH-85	D-25	1	25	39	25
NCH-86	D-25	1	25	39	30
NCH-87	C-38	1½	38	60	20
NCH-88	C-38	1½	38	60	25
NCH-89	C-38	1½	38	60	30
NCH-90	C-42	1⅔	42	65	20
NCH-91	C-42	1⅔	42	65	25
NCH-92	C-42	1⅔	42	65	30
NCH-93	C-52	2	52	85	20
NCH-94	C-52	2	52	85	25
NCH-95	C-52	2	52	85	30
NCH-96	C-64	2½	64	105	20
NCH-97	C-64	2½	64	105	25
NCH-98	C-64	2½	64	105	30
NCH-99	C-70	2	70	110	20
NCH-100	C-70	2	70	110	25
NCH-101	C-70	2	70	110	30
NCH-102	B-75	3	75	120	20
NCH-103	B-75	3	75	120	25
NCH-104	B-75	3	75	120	30
NCH-105	A-100	4	100	160	20
NCH-106	A-100	4	100	160	25
NCH-107	A-100	4	100	160	30

Usage Areas

- TS 9222 - TS EN 14540 Certified Hoses - Firefighting Vehicles Used in Fire Fighting

- Industrial facilities,
- Civil and mining engineering fire protection systems,
- Agricultural practices and irrigation systems

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Almost All About Fire Fighting



Fire Fighter Accessories

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PAB FIRE 05
GLASS FIBRE REINFORCED THERMOPLASTIC



New, modern design and excellent protection properties. Optimal relationship between protection and comfort with a broad spectrum of optional upgrades. Structural firefighting has never been safer.

- Extreme temperature resistance (up to 1,000°C in a 10 second flash over flames)
 - Long-term temperature resistance (radiant heat test 14 kW/m)
 - High resistance to mechanical impacts Low temperature classification -30°C
 - Electrical insulation capacity E2 and E3
 - Full head protection (including neck and face)
 - Interior shock absorber
 - Reflective elements for better visibility in low-light conditions
- Neck protector (available in aluminised fibre, Nomexor wool for Holland style)
 - 3 point chinstrap (tested to prevent skin irritation, fireretardant aramid tape)
 - Chemical resistance (according to EN 443)
 - Type B3b
 - Lightweight Integrated adjustment system
 - One shell size for head sizes from 52 to 64 cm
 - Wide range of accessories and high level of personalisation
 - 1445 g ± 30 g (basic configuration without accessories)
 - 1515 g ± 30 g (basic configuration with aluminised neck protector)
 - Flame retardant and high temperature resistant glass-fiber reinforced thermoplastic
 - Anti-scratch and anti-fog coated integrated visor (EN 14458)
 - Anti-scratch and anti-fog coated integrated goggle (EN 14458)

CERTIFICATES
EN 443:2008 | EN 14458:2018

MADE IN EUROPE

ACCESSORIES



COLOR SCALE





TFH Helmet Product Overview and Features

It is produced in order to satisfy special requirements of firefighters in Europe.

It is tested and certified in accordance with EN 443:2008 standard by independent and accredited laboratories.

TFH Model helmets provide firefighters upmost level of protection that they need. In TFH model helmets that are designed by considering recommendations of professional firefighters; state of art technology products and quality materials that provide matchless head protection, superior comfort, long useful life and durability.

Superior Comfort

Thanks to its lower center of gravity it provides a balanced standing and increases comfort. There are special reinforcements in places that have contact with head in order to enhance comfort.

Sure Lock® Mechanism for Easy and Quick Wearing

Thanks to Sure-Lock® helmet mechanism, helmet can be easily adjusted to fit o head of firefighter. In addition to this, thanks to adjustment bars that are placed in front and back of helmet, it is perfectly fits to head and works in

conformity with breathing apparatus.

Glass Fiber for Robust and Long Lasting Protection

Exterior body of TFH Model is made of glass fiber composite material. Glass fiber materials are more resistant to chemical attacks and high temperatures compared to thermoplastic materials. TFH models are colored at the stage of molding of exterior body.

Removable Parts for Low Cost Maintenance

Bullard helmets are designed for easy and affordable maintenance. For example, band that encircles the head can be easily removed and cleaned. However, since this bands are stitched and fixed in competitive products, it is impossible to remove and clean these, and thus replacement is over costing.

3M Scotchlite® Reflective Bands for Maximum Visibility

TFH helmets are provided with 3M Scotchlite® reflective bands. These reflective bands do not lose their reflective features at 260°C. This feature makes Scotchlite products the most durable goods.

Impact Absorbing Polyurethane Interior Part

There are specially designed polyurethane impact absorbing interiors in TFH Helmets in order to avoid impacts harms firefighters' heads. Nonflammable Neck Protection Material Neck protection material that is made of meta- aramid fiber is used in order to avoid heat and flame ingress through neck of firefighter.

Polycarbonate Tilting Face Shield

There is 1.6mm thick polycarbonate visor in TFH model. This visor protects face against impacts from front while it provides a clear vision at the same time.

Thanks to adjustable chinstrap helmet is easily fit to head.



THB Helmet Product Features

It is produced in order to satisfy special requirements of firefighters in Europe. It is tested and certified in accordance with EN 443:2008 standard by independent and accredited laboratories.

In THB helmets that are designed by considering recommendations of professional firefighters; state of art technology products and quality materials that provide matchless head protection, is movable, scratch resistant, and anti-fog. superior comfort, long useful life and durability.

Helmet provides protection of head against impacts that may occur during firefighting and it is resistant to fire and heat. Helmet has self-illuminating photoluminescence feature that ensure visibility in all kind of bad conditions and there are reflective bands at edges.

Helmet is constituted of outer protector, impact absorbing system, linking belts, and face shield. Exterior protector is reinforced with glass fiber, since it is more durable against chemicals and high temperatures. Exterior protector does not deteriorate with 8 minutes of exposition time at 14kW/m² heat current (300 °C surface temperature). Impact absorbing system is made of polyurethane; due to this it provides better insulation against heat.

All fabrics used in helmet are aramid material that state of art technology products and quality highly resistant to heat, and all pads foams that are nonflammable materials and all plastic parts are made of nonflammable polyamide.

Chinstrap of helmet is compatible with skin and made of aramid material.

Interior of helmets and chinstraps are adjustable.

Helmets have insulation that prevents heat and flame and sparks that may get in from gap between outer shell and visor.

Helmet visor has dimensions that it can be closed on when full-face mask of breathing apparatus is worn.

On front face of helmet there are empty spaces to place emblems and logs.

There is head fitting mechanism at the back of helmet. Thanks to this mechanism, it is enabled to adjust helmet in a manner to fit its user's head.

Helmet has built-in air ducts in order to provide comfort to its user.

Helmet has transparent face shield that is made of polyether sulfone material, and that

Resistance of face shield was tested up to 300 °C in accordance with EN 14458-2004. Face shield has panoramic feature and thus it provides wide angle of vision. Face shield is 2mm in thickness and 20 cm in length.

Helmets can be used with fully closed glasses and normal glasses. There is a neck protection part that is made of leather in helmet.

Its weight is approximately 1,350 kg together with visor and neck protection. Helmet is screwed and can be adjustable up to 50-65 cm. firefighter helmets have certificate of conformity for "EN 443:2008 Firefighter Helmets" standards.

FYRPRO 730

NC : 13614546

XS-4XL



EN 1149-5



**CAT III
LEVEL 1**



Outer layer: 75% Meta-aramid, 23% para-aramid, 2% an sta c fiber (200 g/m²)

Reflective tapes: 50 mm yellow/silver/yellow aramid backed fire retardan t retroreflec ive trims

Heat barrier: 100% Aramid non-woven (150 g/m²)

Inner layer : 50% Aramid, 50% Viscose FR (115 g/m²)

OPTIONAL ACCESSORIES



**Silver
Reflective
Back Writing**



**Detachable
Back
Writing**



**Aramid silicone
Knee
Reinforcements**



**Aramid silicone
Elbow
Reinforcements**



**Pre-bent
Ergonomic
Knees**



**Pre-bent
Ergonomic
Elbows**

Other Optional Accessories

- Aramid silicone reinforcements on leg ends
- Aramid felt reinforcements on knees
- Rubber pads on knees
- Double layer reinforcements on shoulders
- Side cargo pockets with flap on trousers
- An -wicking barriers on legs, bottom of jacket and cuffs
- Embroidery logos
- High waisted trousers
- Zipper at boots top and side vents
- Aramid DRD (Drag rescue device)
- Detachable inner layer
- Inspect on zipper
- Hook for attaching gloves
- Radio pocket



**Additional
Pockets**

TESTS	TEST METHOD	MARK
Heat Transfer (Flame)	EN ISO 9151	Xf1, Xf2
Heat Transfer (Radiant)	EN ISO 6942	Xr1, Xr2
Water Penetra on Resistance	E N ISO 811	Y1 , Y2
Water Vapour Resistance	EN ISO 11092	Z 1, Z2

- Protects the personnel against the negative effects of heat, flame and water vapour during the firefighting applications.
- In compliance with (EU) 2016/425 Personal Protective Equipment (PPE) Regula on and CE marked.
- In compliance with 2014/90/EU Marine Equipment Directive (MED).
- Certified according to the standard EN 469 Protective clothing for firefighters - performance requirements for protect ve clothing for firefighting.
- Has a design which facilitates mobility.
- Consists of two pieces as jacket and trousers.
- 3 layered.



FYRPRO® 730

NC : 13614546



Design

- Designed to comply completely with the European standards as jacket and trousers.
- Provides employee comfort with quilted inner lining.
- Outer layer of the suit is an high strength, an static fabric that repels water and oil.
- Outer layer of the suit provides a stylish view with its rip-stop weaving shape
- Cuffs are made of 100% aramid knitted fabric.
- Cuffs and neck part are with adjustable non-flammable velcro.
- An addittioonal piece is under the armpits to increase mobility.
- A non-flammable velcro for name tag is on the right chest of the suit.
- All sewing threads used on Firefighter Suits are 100% Aramid.
- There are double reflective tapes on arms and body part of the jacket.
- Zippers are metal, non-flammable and highly qualified.
- There is a flap within velcro made of outer layer fabric that covers the zipper.
- Flapped pockets are on both sides of the jacket ends, a radio pocket and a hook for the flashlight are on the left chest.
- Metal hooks for hanging gloves are on the left pocket.
- There are elastic hangers on trousers that do not disturb the personnel.
- Trousers are ergonomic and elastic.
- Trousers are designed with velcros and straps.
- Certificate information is on the label inside the suit.
- User's guide in four languages given with the suit.
- All Firefighter Suits are sent with red carrying bag.

FYRPRO® BODY SIZES

BODY SIZE	PERSON LENGTH (CM)	CHEST (CM)	WAIST (CM)	JACKET LENGTH (CM)
XS 46/48	158-164	80-88	68-76	82
S 46/48	164-170	88-96	76-84	83
M 50/52	170-176	96-104	84-92	84
L 54/56	176-182	104-112	92-100	85
XL 58/60	182-188	112-120	100-108	86
XXL 62/64	188-192	120-128	108-116	87
3XL 62/64	192-198	136-142	124-132	88
4XL 62/64	192-196	120-128	132-142	89

TOLERANCE ± % 2

Complementary Products



FYRHOOD 50
KNITTED FIRE
HOOD
(BALACLAVA)



CHIBA
TOP
RESCUE
FIREMAN
GLOVE



PENKERT
BASIC
GRIPSHORT
FIREMAN
GLOVE



PAB FIRE
COMPACT
FIREMAN
HELMET



PAB FIRE
H T-04
FIREMAN
HELMET



LONGSTONE
LEATHER
FIREMAN
BOOTS



ETCHE
RUBBER
FIREMAN
BOOTS



3M SCOTT
SIGMA II
TYPE 2



FIREMAN
BELT



JUMPING
SHEET



TB Fire Dress - Product Features

Professional Firefighters should prefer EN 469 Level 2 suits which have the highest protection level regarding to issues that have vital importance such as heat, flame, water and steam. They should avoid to use suits that have low protection level which any one of resistance values of convective heat, radiant heat, water permeability and water steam is of Level 1. For instance, (Xf2, Xr2, Y2, Z1 low level of protection) Firefighter suits are generally produced in two pieces – jacket and trousers which consist of 4 layers – outer fabric, moisture barrier, heat barrier and inner liner. It is required these two piece firefighter suits to bear CE marking that indicates conformity with 89/686/EC directives.

PROTEK® Firefighter Suit; It has performance and protection level beyond standards.

PROTEK® Firefighter Suits provide effective protection from high temperature by forming air pockets between layers.

PROTEK® Firefighter Suits are of EN 469 standards and have level 2, which is maximum protection level (Xf2, Xr2, Y2, Z2).

PROTEK® Firefighter Suits are in compliance with 89/686/EC directive and have CE certification.



TC Fire Dress - Product Features

Professional Firefighters should prefer EN 469 Level 2 suits which have the highest protection level regarding to issues that have vital importance such as heat, flame, water and steam. They should avoid to use suits that have low protection level which any one of resistance values of convective heat, radiant heat, water permeability and water steam is of Level 1. For instance, (Xf2, Xr2, Y2, Z1 low level of protection) Firefighter suits are generally produced in two pieces – jacket and trousers which consist of 4 layers – outer fabric, moisture barrier, heat barrier and inner liner. It is required these two piece firefighter suits to bear CE marking that indicates conformity with 89/686/EC directives.

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PROTEK® Firefighter Suits are in compliance with 89/686/EC directive and have CE certification.



Product Features

- Made of FR leather
- Para-aramid inner lining and FR cotton cuff lining
- Waterproof and breathable membrane
- The palm area, knuckles and fingerjoints are reinforced with PBI/Para-aramid fabric with transparent silicon coating.
- FR yellow-silver-yellow reflective tape and silver reflective label on the cuff for high visibility
- Adjustable strap with Velcro closure

TG-1 FR Leather Gloves			
Material	Color	Certificate	Size
Leather & PBI/Para-aramid fabric	Black/Gold	EN 659:2003 + A1:2008 + AC:2009	6-13 according to EN 659 & EN 420

Product Features

- Made of Aramid fabric
- Para-aramid inner lining and FR cotton cuff lining
- Waterproof and breathable membrane
- The palm, back of the hand and the fingertips are reinforced with silicon/carbon coated Para-aramid fabric.
- Finger joints are protected with bellow type red aramid fabric.
- FR yellow-silver-yellow reflective tape and silver reflective label on the cuff for high visibility
- Adjustable strap made of dark blue aramid with Velcro closure



TG-1 FR Leather Gloves			
Material	Color	Certificate	Size
Aramid	Dark Blue	EN 659:2003 + A1:2008 + AC:2009	6-13 according to EN 659 & EN 420

Product Features

- Made of PBI Matrix fabric
- Para-aramid knitted inner lining
- Waterproof and breathable membrane
- The palm, knuckles, finger joints and fingertips are reinforced with silicon/carbon coated para-aramid fabric.
- Flame resistant photoluminescent tape with glow in the dark effect
- Para-aramid knitted cuff



TG-1 FR Leather Gloves			
Material	Color	Certificate	Size
PBI Matrix	Gold/Black	EN 659:2003 + A1:2008 + AC:2009	7-12 according to EN 659 & EN 420

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Almost All About Fire Fighting



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+90 507 319 82 35

+90 312 911 15 97

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