PRODUCT CATALOGUE

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Standard Portable
Dry Powder Extinguishers

Description

- Steel cylinder of high quality ST14 by means of deep drawing and painted with anti-corrosive polyester paint (powder coating).
- ABC dry chemical powder is effective on class A,B, C & E fires and it is ideal for multi-risk fire .
- Corrosion and impact resistant polyester finish.
- Equipped with entire brass valve with pistol system.
- Ready for instant use and simple to operate.
- Approved by UAE Civil Defence and it is manufactured according to International Standards.
- The valve is equipped with safety release pressure to avoid any bursting of cylinders during high temperature.
- Do not use on fires involving carbon disulphate and flammable metal.
- Available in Red and Blue colours.
- Capacity of cylinder can be supplied upon request.

Specification

SPECIFICATION	MODEL							
	FDP1	FDP2	FDP3	FDP4.5	FDP6	FDP9	FDP10	FDP12
CAPACITY (KG)	1	2	3	4.5	6	9	10	12
FIRE RATING	5A 13B	5A 21B	13A 34B	21A 89B	21A 144B	34A 144B	34A 144B	34A 144B
DIAMETER (mm)	90	110	130	135	160	185	185	185
BREADTH OF EXTG. (mm)	130	140	150	185	230	240	240	240
HEIGHT OF EXTG. (mm)	240	360	155	430	405	495	495	560
TOTAL HEIGHT (mm)	305	360	430	520	490	590	590	660
DISCHARGE RANGE (m)	5	5	8	8	8	8	8	8
DISCHARGE TIME (sec)	≥6	≥6	≥9	≥12	≥15	≥16	≥16	≥21
EMPTY WEIGHT (kg)	0.7	1.2	1.25	2.1	2.5	3.55	3.55	3.98
GROSS WEIGHT (kg)	1.7	3.2	4.25	6.6	8.5	12.55	13.55	15.98
PACKING FINAL VOLUME (m^3)	0.004	0.007	0.008	0.013	0.014	0.024	0.025	0.03
CYLINDER WALL THK. (mm)	1.0	1.0	1.0	1.2	1.2	1.5	1.5	1.5
HOSE	NO HOSE	WITH HOSE AND HORN						
CLASS OF FIRE	A B C & E							
EXTINGUISHING AGENT	ABC 70 % DRY CHEMICAL POWDER							
OPERATING PRESSURE (Bar)	15							
TEST PRESSURE (Bar)	30							
VALVE	TOUGH ABS PLASTIC WITH U.V. STABILIZER							
NOZZLE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN							
BOTTOM BASE	POLYPROPYNE PLASTIC WITH RUBBER MIXTURE TO PROVIDE STRONG AND FLEXIBLE COMBINED PROPERTIES WITH U.V. STABILIZER							
RISING PIPE	PLASTIC/ALUMINIUM							
TEMPERATURE RANGE	-30°C TO +60°C							
CYLINDER MATERIAL	COLD ROLLED STEEL							
PAINTING	SUPER FINISHED ELECTRO PLASTIC POLYESTER EPOXY RESIN							
PRINTING	CLEAR ATTRACTIVE SCREEN PRINTING							
MOUNTING	WALL MOUNTING USING BRACKET							

LPCB Portable
Dry Powder Extinguishers

Certificate No.: 867Ba

Description

- Dry Powder fire extinguisher contains ABC Dry Powder extinguishing agent.
- Dry Powder fire extinguisher is examined and tested to the relevent clauses in accordance with BS EN 3 in order to provide test data for the Loss Prevention Certification Board scheme for portable fire extinguishers .
- Dry chemical powder is effective on Class A B C fires and it's ideal for multi-risk fire.
- Ready for instant use and simple to operate.
- The valve is equipped with safety release pressure to avoid any bursting of cylinders during high tempera ture.
- Corrosion and impact resistant polyester paint finish.

Specifications

Model	FDP1	FDP2	FF2P	FDP3	FDP4	FDP6	FDP9	FDP12
Classification	ABC	ABC	ABC	ABC	ABC	ABC	ABC	ABC
LPCB Ref. No.	867Ba/04	867Ba/01	867Ba/15	867Ba/05	867Ba/07	867Ba/02	867Ba/08	867Ba/03
Fire Rating	8A/55B	13A/89B	13A/89B	21A/144B	27A/233B	43A/233B	55A/233B	55A/233B
Extinguishing Agent	ABC Powder							
Hydrostatic Test Pressure	30 Bar							
Operating Pressure	15 Bar							
Propellant	Dry Nitrogen							
Max. Temp. Range	-30°C to +60°C							
Agent Mass	1 Kg.	2 Kg.	2 Kg.	3 Kg.	4 Kg.	6 Kg.	9 Kg.	12 Kg.
Total Mass	1.96 Kg.	3.5 Kg.	4.13 Kg.	4.95 Kg.	6.3 Kg.	9.04 Kg.	13.36 Kg.	17.1 Kg.
Discharge Time	9 Sec.	14 Sec.	11.53 Sec.	21 Sec.	23 Sec.	24 Sec.	30 Sec.	38 Sec.

BSI Portable
Dry Powder Extinguishers

1 KG ABC POWDER

Specification

MODEL	FABC1
Fire Rating	8A/21B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	1 Kg.
Total Mass	1.85 Kg.
Discharge Time	9 Sec.

2 KG ABC POWDER

Specification

MODEL	FABC2
Fire Rating	13A/55B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	2 Kg.
Total Mass	3.5 Kg.
Discharge Time	14 Sec.

3 KG ABC POWDER

Specification

MODEL	FABC3
Fire Rating	21A/70B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	3 Kg.
Total Mass	4.9 Kg.
Discharge Time	21 Sec.

4 KG ABC POWDER

Specification

MODEL	FABC4
Fire Rating	27A/113B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	4 Kg.
Total Mass	6.3 Kg.
Discharge Time	20 Sec.

BS EN3
KM No. 577694

6 KG ABC POWDER

Specification

MODEL	FABC6
Fire Rating	34A/183B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	6 Kg.
Total Mass	9.04 Kg.
Discharge Time	24 Sec.

9 KG ABC POWDER

Specification

MODEL	FABC9
Fire Rating	43A/183B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	9 Kg.
Total Mass	13.36 Kg.
Discharge Time	29 Sec.

12 KG ABC POWDER

Specification

MODEL	FABC12
Fire Rating	55A/233B
Classification	ABC
KM No.	577694
Extinguishing Agent	40% ABC Powder
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	-30°C to +60°C
Agent Mass	12 Kg.
Total Mass	16.74 Kg.
Discharge Time	38 Sec.

Standard Portable
Dry Powder Fire Extinguisher
with Inside & Outside CO2 Cartridge

Description

- Steel cylinder of high quality ST14 by means of deep drawing and painted with anti-corrosive polyester paint (powder coating).
- ABC dry chemical powder is effective on class A,B,C & E fires and it is ideal for multi-risk fire.
- Corrosion and impact resistant polyester paint finish.
- Ready for instant use and simple to operate.
- Approved by Civil Defense and it is manufactured according to International Standards.
- The valve is equipped with safety release pressure to avoid any bursting of cylinders during high temperature.
- Fires involving carbon disulphate and flammable metal should be avoided.
- Available in Red and Blue colour.
- Available in all sizes including trolleys.

OUTSIDE CARTRIDGE

Specification

SPECIFICATION	MODEL				
	FDP6 O/C	FDP12 O/C	FDP6 I/C	FDP9 I/C	FDP12 I/C
CAPACITY (KG)	6	12	6		12
FIRE RATING	21A 144B	34A 144B	21A 144B		34A 144B
DIAMETER (mm)	150	195	150		195
BREADTH OF EXTG. (mm)	200	245	200		245
HEIGHT OF EXTG. (mm)	410	500	410		500
TOTAL HEIGHT (mm)	510	600	510		600
DISCHARGE RANGE (m)	8	9	8		9
DISCHARGE TIME (sec)	14-17	20-22	14-17		20-22
EMPTY WEIGHT (kg)	4.5	7	4.5		7
TOTAL WEIGHT (kg)	11	19	11		19
PACKING FINAL VOLUME (m³)	0.02	0.04	0.02		0.04
CYLINDER WALL THK. (mm)	1.6	2	1.6		2
HOSE WITH PISTOL	WITH HOSE AND HORN				
CLASS OF FIRE	A B C & E				
EXTINGUISHING AGENT	ABC 70 % DRY CHEMICAL POWDER				
OPERATING PRESSURE (Bar)	15				
TEST PRESSURE (Bar)	30				
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN				
BOTTOM BASE	POLYPHORENE PLASTIC WITH RUBBER MATERIAL TO PROVIDE STRONG AND FLEXIBLE COMBINED PROPERTIES WITH U.V. STABILIZER				
RISING PIPE	PLASTIC/ALUMINIUM				
CYLINDER MATERIAL	COLD ROLLED STEEL				
PRINTING	CLEAR ATTRACTIVE SCREEN PRINTING				
MOUNTING	WALL MOUNTING USING BRACKET				
EXPELLANT AGENT	CO2 GAS				
CARTRIDGE TEST PRESSURE (Bar)	250				
CARTRIDGE BURST PRESSURE (Bar)	850	850	850	700	
POSITION OF CO2 CARTRIDGE	OUTSIDE		INSIDE		

INSIDE CARTRIDGE

Standard Dry Portable
Automatic Extinguishers

Description

- Steel cylinder of high quality St 34 by means of deep drawing and painted with anti-corrosive polyester paint (powder coating).
- ABC dry chemical powder is effective on class A,B,C & E fires and is ideal for multi-risk fires.
- Corrosion and impact resistant polyester paint finish .
- Operation with automatic sprinkler at temperature 68 °C.
- Approved by Civil Defence and manufactured according to International Standards.

Specification

DESCRIPTION	MODEL				
	FDPA4.5	FDPA5	FDPA6	FDPA9	FDPA12
CAPACITY(Kg)	4.5	5	6	9	12
FIRE RATING	21A 89B	21A 89B	21A 144B	21A 144B	21A 144B
DIAMETER(mm)	195	195	195	195	195
HEIGHT (mm)	400	400	410	500	500
DISCHARGE RANGE (Mtr)	8	8	8	9	9
DISCHARGE TIME (Sec)	12-14	12-14	16	18	21
CYLINDER WALL THICKNESS (mm)	1.8	1.8	1.8	2	2
CLASS OF FIRE	A B C & E				
EXTINGUISHING AGENT	ABC 70% DRY CHEMICAL POWDER				
OPERATING PRESSURE (Bar)	15				
TEST PRESSURE (Bar)	30				
OPERATING TEMPERATURE	68°C				
CYLINDER MATERIAL	COLD ROLLED STEEL				
PRINTING	CLEAR ATTRACTIVE SILK SCREEN PRINTING				
MOUNTING	CEILING MOUNTING				
EXPELLANT AGENT	NITROGEN				

Standard Mobile
Dry Powder Extinguishers

Description

- Steel cylinder of high quality ST14 and painted with anti-corrosive polyester paint (powder coating).
- ABC dry chemical powder is effective on class A ,B, C & E fires and it is ideal for multi-risk fire.
- Corrosion and impact resistant polyester finish.
- Equipped with entire brass valve with pistol system.
- Ready for instant use and simple to operate.
- Approved by UAE Civil Defence and it is manufactured according to International Standards.
- The valve is equipped with safety release to avoid any bursting of cylinders during high temperature.
- Do not use on fires involving carbon disulphate and flammable metal.
- Available in Red and Blue colours.
- Various capacity of cylinder can be supplied upon request.

Specification

SPECIFICATION	MODEL						
	FDP25	FDP50	FDP75	FDP100	FDP150	FDP25-DC	FDP50-DC
CAPACITY (KG)	25	50	75	100	150	25	50
DISCHARGE RANGE (m)	8	8	8	8	8	8	8
DISCHARGE TIME (sec)	25	42	48	55	75	25	50
TOTAL HEIGHT (mm)	1120	1040	1150	1450	1200	1120	1040
HEIGHT OF EXTG. (mm)	815	920	1030	1300	1120	815	920
DIAMETER (mm)	260	300	360	400	550	250	300
HOSE LENGTH (m)	3	5	5	5	5	3	5
EXPELLANT AGENT	ABC 70 % DRY CHEMICAL POWDER						
OPERATING PRESSURE (Bar)	15						
TEST PRESSURE (Bar)	30						
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN						
WHEEL	SOLID RUBBER & ALUMINIUM ALLOY						
RISING PIPE	PLASTIC / ALUMINIUM						
CYLINDER MATERIAL	COLD ROLLED STEEL						
TEMPERATURE RANGE	-30°C TO +60°C						
PRINTING	CLEAR ATTRACTIVE SCREEN PRINTING						
CLASS OF FIRE	A B C & E						

LPCB Mobile
Dry Powder Extinguishers

Certified to EN1866
LPCB Ref. 1092c

0029/2015

0029/2015

Description

TIANBO Mobile fire extinguishers are designed for large indus trial or marine fire risks where a large amount of fire extinguishing agent is required. Mobile extinguishers can be supplied in a choice of sizes and agents to suit specific applications.

ABC Powder Units

- Designed and approved to EN1866
- Factory filled with high versatile ABC dry powder for great fire knock down
- One person operation
- Strong and stylish wheel for smooth moving

Technical Data

MODEL	TMPD25	TMPD50	TMPD100
Extinguishing Medium	ABC Powder	ABC Powder	ABC Powder
Capacity(kg)	25	50	100
Height(mm)	870	1200	1200
Shell Diameter(mm)	250	300	400
Discharge Time Approx.(second)	30	35	35
Full Weight (kg)	40	77	140
Working Pressure(bar)	15	15	15
Test Pressure(bar)	26	26	26
Temperature Range	-30°C +60°C	-30°C +60°C	-30°C +60°C
Fire Rating	IIB C	IVB C	IVB C
Approved to EN 1866	√	√	√

BSI Mobile
Dry Powder Extinguishers

Description

- Steel cylinder of high quality ST14 and painted with anti-corrosive polyester paint (powder coating).
- ABC dry chemical powder is effective on class A,B, C fires and it is ideal for multi-risk fire.
- Corrosion and impact resistant polyester finish.
- Equipped with entire brass valve with rotary system.
- The valve is equipped with safety release to avoid any bursting of cylinders during high temperature.
- Approved by UAE Civil Defence and it is manufactured according to BS EN 1866.
- Ready for instant use and simple to operate.
- Available in Red colour.

Technical Data

MODEL	FDP25	FDP50
Extinguishing Medium	90% ABC Powder	90% ABC Powder
Capacity(kg)	25	50
Height(mm)	890	1150
Shell Diameter(mm)	310	310
Discharge Time Approx.(second)	30	35
Gross Weight (kg)	57	90
Working Pressure(bar)	15	15
Test Pressure(bar)	26	26
Temperature Range	-20°C +60°C	-20°C +60°C
Fire Rating	IB C	IIB C
Approved to BS EN 1866	...	...

Standard Portable
Carbon Dioxide Extinguishers

Description

- Co2 Fire Extinguishers are generally used for industrial fires.
- Ideal agent for class B, C & E fires .
- Co2 is electrically non-conductive therefore safe for fighting fires in electrically powered equipment.
- Co2 gas does not deteriorate with storage or freeze in container.
- Purity of our Co2 gas reaches 99.98%
- Valve is made from brass provided with safety release valve .
- Co2 extinguishers are made of seamless carbon steel materials to withstand high storage pressure.
- Snow horn with built-in nozzle specially designed to fit our valve to give the most efficient fire suppression .
- After use, Co2 disperses without leaving any contamination or corrosive residue.
- Co2 is colourless gas which reduces the oxygen of the air around the fire.
- Approved by UAE Civil Defence.
- Manufactured according to International Standards.
- Available in black and red colour.
- Other capacity of cylinders can be supplied upon request.

Specification

SPECIFICATION	MODEL				
	FCD2	FCD5L	FCD4.5	FCD5	FCD6
CAPACITY (KG)	2	2.25	4.5	5	6
TEST RATING	13B	13B	34B	34B	34B
OPERATING PRESSURE (Bar)	70 Bar				
TEST PRESSURE (Bar)	250 Bar				
DISCHARGE TIME (Sec)	≥6	≥8	≥9	≥9	≥9
DISCHARGE RANGE (m)	3	3	4	4	4
EMPTY WEIGHT (KG)	5.95	6.45	11.1	11.1	15.3
GROSS WEIGHT (KG)	7.95	8.70	15.6	16.1	21.3
TEMPERATURE RANGE	-30°C ÷60°C				
MATERIAL	ST52				
VALVE	BRASS HOT STAMPING				
DISCHARGE NOZZLE	HORN	HORN	HORN & HOSE		
PAINT FINISH	ELECTROSTATIC POLYESTER POWDER COATING				
CLASS OF FIRE	B, C & E				

LPCB Portable
Carbon Dioxide Extinguishers

Certificate No.: 867Ba

2 KG CARBON DIOXIDE

Specification

MODEL	FCD2
Fire Rating	34B
Classification	BC
LPCB Ref. No.	867Ba/10
Extinguishing Agent	CO_2
Hydrostatic Test Pressure	250 Bar
Operating Pressure	70 Bar
Propellent	CO_2
Max. Temp. Range	-30°C to +60°C
Agent Mass	2 Kg.
Total Mass	6.49 Kg.
Discharge Time	18 Sec.

5 KG CARBON DIOXIDE

Specification

MODEL	FCD5
Fire Rating	89B
Classification	BC
LPCB Ref. No.	867Ba/11
Extinguishing Agent	CO_2
Hydrostatic Test Pressure	250 Bar
Operating Pressure	70 Bar
Propellent	CO_2
Max. Temp. Range	-30°C to +60°C
Agent Mass	5 Kg.
Total Mass	13.48 Kg.
Discharge Time	32.6 Sec.

Description

- Carbon Dioxide Fire extinguisher contains Carbon Dioxide as extinguishing agent.
- Carbon Dioxide Fire extinguisher is examined and tested to the relevent clauses in accor dance with BS EN 3 in order to provide test data for the Loss Prevention Certification Board scheme for portable fire extinguishers.
- Carbon Dioxide is effective on Class B C fires and it's ideal for multi-risk fire.
- Ready for instant use and simple to operate.
- The valve is equipped with safety release pressure to avoid any bursting of cylinders during high temperature.

BSI Portable
Carbon Dioxide Extinguishers

2 KG ABC POWDER

Specification

MODEL	FC022
Fire Rating	34B
Classification	BC
KM No.	577694
Extinguishing Agent	CO_2
Hydrostatic Test Pressure	250 Bar
Operating Pressure	70 Bar
Propellent	CO_2
Max. Temp. Range	-30°C to +60°C
Agent Mass	2 Kg.
Total Mass	6.24 Kg.
Discharge Time	20 Sec.

BS EN3
KM No. 577694

5 KG ABC POWDER

Specification

MODEL	FC025
Fire Rating	89B
Classification	BC
KM No.	577694
Extinguishing Agent	CO_2
Hydrostatic Test Pressure	250 Bar
Operating Pressure	70 Bar
Propellent	CO_2
Max. Temp. Range	-30°C to +60°C
Agent Mass	5 Kg.
Total Mass	13.38 Kg.
Discharge Time	27 Sec.

Standard Mobile
Carbon Dioxide Extinguishers

Description

- Co2 Fire Extinguishers are generally used for industrial fires .
- Ideal agent for class B, C & E fires.
- Co2 is electrically non-conductive therefore safe for fighting fires in electrically powered equipment.
- Co2 gas does not deteriorate with storage or freeze in container.
- Purity of our Co2 gas reaches 99.98%
- Valve is made from brass provided with safety release valve.
- Co2 extinguishers are made of seamless carbon steel materials to withstand high storage pressure .
- Snow horn with built-in nozzle specially designed to fit our valve to give the most efficient fire suppression .
- After use, Co2 disperses without leaving any contamination or corrosive residue.
- Co2 is colourless gas which reduces the oxygen of the air around the fire .
- Approved by UAE Civil Defence.
- Manufactured according to International Standards.
- Available in black and red colour.
- Other capacity of cylinders can be supplied upon request.

Specification

SPECIFICATION	MODEL				
	FCD10	FCD20	FCD30	FCD45	FCD60
CAPACITY (KG)	10	20	30	45	60
OPERATING PRESSURE (Bar)	70 Bar				
TEST PRESSURE (Bar)	250 Bar				
DISCHARGE TIME (Sec)	22	35	70	75	80
DISCHARGE RANGE (m)	3	3	4	4	4
TEMPERATURE RANGE	-20°C +60°C				
MATERIAL	ST52				
VALVE	BRASS HOT STAMPING				
HOSE LENGTH (m)	3	5	5	5	5
PAINT FINISH	ELECTROSTATIC POLYESTER POWDER COATING				
CLASS OF FIRE	B, C & E				

LPCB Mobile
Carbon Dioxide Extinguishers

Certified to EN1866
LPCB Ref. 1092c

0029/2015

0029/2015

Description

TIANBO Mobile fire extinguishers are designed for large indus trial or marine fire risks where a large amount of fire extinguishing agent is required. Mobile extinguishers can be supplied in a choice of sizes and agents to suit specific applications.

Co2 Units

- Designed and approved to EN1866
- Clean and highly effective
- One person operation
- Strong and stylish wheel for smooth moving

Technical Data

MODEL	TMCD10	TMCD20	TMCD30
Extinguishing Medium	CO2	CO2	CO2
Capacity(kg)	10	20	30
Height(mm)	1220	1305	1590
Shell Diameter(mm)	152	219	219
Discharge Time Approx.(second)	35	35	35
Full Weight (kg)	46	100	117
Working Pressure(bar)	150	150	150
Test Pressure(bar)	225	225	225
Temperature Range	-30°C +60°C	-30°C +60°C	-30°C +60°C
Fire Rating	144B	183B	183B
Approved to EN 1866	√	√	√

Standard Portable
Foam Fire Extinguishers

Description

- Foam Extinguishers are made of high quality ST14 by means of deep drawing.
- Foam Fire Extinguishers are effective on class A & B fire.
- Corrosive and impact resistant polyester paint finish (powder coating).
- All Extinguishers are coated internally for optimal protection against rust and corrosion.
- AFFF is an extinguishing agent which seals the burning surface against ignition.
- The valve provided with safety release valve to release the excess pressure.
- These extinguishers are manufactured according to International Standards and approved by local civil defence in U.A.E.
- Cylinders of different capacity can be supplied upon request.
- Foam Fire Extinguishers are available in cream color also.

Specification

SPECIFICATION	MODEL			
	FF6L	FF9L	FF10L	FF12L
CAPACITY (Ltr)	6	9	10	12
DISCHARGE RANGE (m)	5	6	6	7
DISCHARGE TIME (sec)	≥28	≥30	≥32	≥35
TEST RATING	13A 113B	21A 183B	27A 183B	34A 233B
EMPTY WEIGHT (Kg)	2.5	3.55	3.55	3.98
GROSS WEIGHT (Kg)	8.5	12.55	13.55	15.98
OPERATING PRESSURE (Bar)	15			
TEST PRESSURE (Bar)	30			
EXTINGUISHING AGENT	AFF FOAM			
TEMPERATURE RANGE	+5°C TO +60°C			
CYLINDER MATERIAL	COLD ROLLED STEEL SHEET			
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN			
PAINTING	SUPERFINISHED ELECTRO PLASTIC POLYESTER EPOXY RESIN			
CARTON SIZE (m³)	0.014	0.024	0.024	0.03
CLASS OF FIRE	A B			

Wood, Rubber, Paper, Textiles

Petrol, Oil, Greases, other alcohol

LPCB & BSI Portable
Foam Fire Extinguishers

LPCB Portable Foam Fire Extinguishers

Certificate No.: 867Ba

Specification			
MODEL	FF6L	F6EP	FF9L
Classification	AB	AB	AB
LPCB Ref. No.	867Ba/12	867Ba/20	867Ba/13
Fire Rating	21A/183B	34A/183B	27A/233B
Extinguishing Agent	Foam	Foam	Foam
Hydrostatic Test Pressure	30 Bar	30 Bar	30 Bar
Operating Pressure	15 Bar	15 Bar	15 Bar
Propellent	Dry Nitrogen	Dry Nitrogen	Dry Nitrogen
Max. Temp. Range	+1°C to +60°C	+1°C to +60°C	+1°C to +60°C
Agent Volume	6 Ltr.	6 Ltr.	9 Ltr.
Total Mass	8.5 Kg.	8.5 Kg.	13.68 Kg.
Discharge Time	37 Sec.	37 Sec.	67.86 Sec.

BSI Portable Foam Fire Extinguishers

BS EN3
KM No. 577694

Specification		
MODEL	FF6L	FF9L
Classification	AB	AB
KM No.	577694	577694
Fire Rating	13A/144B	21A/183B
Extinguishing Agent	3% AFFF	3% AFFF
Hydrostatic Test Pressure	30 Bar	30 Bar
Operating Pressure	15 Bar	15 Bar
Propellent	Dry Nitrogen	Dry Nitrogen
Max. Temp. Range	+1°C to +60°C	+1°C to +60°C
Agent Volume	6 Ltr.	9 Ltr.
Total Mass	8.5 Kg.	14.14 Kg.
Discharge Time	13 Sec.	37 Sec.

Standard Mobile
Foam Fire Exitinguishers

Description

- Foam Extinguishers are made of high quality ST14 by means of deep drawing.
- Foam Fire Extinguishers are effective on class A & B fire.
- Corrosive and impact resistant polyester paint finish (powder coating).
- All Extinguishers are coated internally for optimal protection against rust and corrosion.
- AFFF is an extinguishing agent which seals the burning surface against ignition.
- The valve provided with safety release valve to release the excess pressure.
- These extinguishers are manufactured according to
- International Standards and approved by local civil defence in U.A.E.
- Cylinders of different capacity can be supplied upon request.
- Foam Fire Extinguishers are available in cream color also.

Wood, Rubber. Petrol, Oil, Greases.

Specification of Mobile Extinguishers

SPECIFICATION	MODEL					
	FF25L	FF50L	FF75L	FF100L	FF125L	FF150L
CAPACITY (Ltrs)	25	50	75	100	125	150
DISCHARGE RANGE (m)	8	10	10	10	12	12
OPERATING PRESSURE (Bar)	15					
TEST PRESSURE (Bar)	30					
EXTINGUISHING AGENT	AFFF					
TEMPERATURE RANGE	+5°C TO +60°C					
CYLINDER MATERIAL	COLD ROLLED STEEL SHEET					
VALVE	BRASS HOT STAMPING					
PAINTING	SUPER FINISHED ELECTRO-PLASTIC POLYESTER EPOXY RESIN					
CLASS OF FIRE	AB					

LCBP Foam Mobile
Fire Exitinguishers

Certified to EN1866
LPCB Ref. 1092c

0029/2015

0029/2015

Description

- Designed and approved to EN1866
- Factory filled with high quality 3% AFFF Foam
- One person operation
- Strong and stylish wheel for smooth moving
- Long throw foam nozzles with grip control.

Technical Data

MODEL	TMFM50	TMPD100
Extinguishing Medium	AFFF Foam	AFFF Foam
Capacity(kg)	50	100
Height(mm)	1200	1200
Shell Diameter(mm)	300	400
Discharge Time Approx.(second)	35	35
Full Weight (kg)	77	140
Working Pressure(bar)	15	15
Test Pressure(bar)	26	26
Temperature Range	5°C +60°C	5°C +60°C
Fire Rating	IVB	IVB
Approved to EN 1866	√	√

Standard Portable Water Fire Exitinguishers

Description

- Water Fire Extinguishers are made of high quality steel BT14.
- Water Fire Extinguishers are effective on class A fire.
- Corrosive and impact resistant polyester paint finish (powder coating).
- All Extinguishers are coated internally for optimal protection against rust and corrosion.
- The valve is provided with safety release valve to release the excess pressure.
- These extinguishers are manufactured according to International Standards and approved by Local Civil Defence in U.A.E.
- Cylinders of different capacity can be supplied upon request.
- Water Fire Extinguishers are available in Red colour.

Wood, Rubber, Paper, Textiles

Specification

SPECIFICATION	MODEL			
	FW6L	FW9L	FW10L	FW12L
CAPACITY (Ltr)	6	9	10	12
DISCHARGE RANGE (m)	6	7	7	8
DISCHARGE TIME (sec)	≥9	≥9	≥9	≥12
TEST RATING	8A	13A	21A	27A
EMPTY WEIGHT (Kg)	2.5	3.55	3.55	3.98
GROSS WEIGHT (Kg)	8.5	12.55	13.55	15.98
OPERATING PRESSURE (Bar)	15			
TEST PRESSURE (Bar)	30			
EXTINGUISHING AGENT	WATER			
TEMPERATURE RANGE	+5°C TO +60°C			
CYLINDER MATERIAL	COLD ROLLED STEEL SHEET			
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN			
PAINTING	SUPERFINISHED ELECTRO PLASTIC POLYESTER EPOXY RESIN			
CARTON SIZE (mt)	0.014	0.024	0.024	0.03
CLASS OF FIRE	A			

LPCB & BSI Portable
Water Fire Extinguishers

LPCB Portable Water Fire Extinguishers

Certificate No.: 867Ba

Specification			
MODEL	FW6L	FW6LP	FW9L
Classification	A	A	A
LPCB Ref. No.	867Ba/17	867Ba/19	867Ba/09
Fire Rating	13A	21A	21A
Extinguishing Agent	Water	Water Additive	Water
Hydrostatic Test Pressure	30 Bar	30 Bar	30 Bar
Operating Pressure	15 Bar	15 Bar	15 Bar
Propellent	Dry Nitrogen	Dry Nitrogen	Dry Nitrogen
Max. Temp. Range	+5°C to +60°C	+5°C to +60°C	+5°C to +60°C
Agent Volume	6 Ltr.	6 Ltr.	9 Ltr.
Total Mass	13.92 Kg.	13.92 Kg.	13.68 Kg.
Discharge Time	37 Sec.	37 Sec.	41 sec.

BSI Portable Water Fire Extinguishers

BS EN3
KM No. 577694

Specification	
MODEL	FW9L
Classification	A
KM No	577694
Fire Rating	13A
Extinguishing Agent	Water
Hydrostatic Test Pressure	30 Bar
Operating Pressure	15 Bar
Propellent	Dry Nitrogen
Max. Temp. Range	+5°C to +60°C
Agent Volume	9 Ltr.
Total Mass	13.92 Kg.
Discharge Time	41 Sec.

WOOD, PAPER
CARD BOARD, FABRIC

Standard Mobile Water Fire Extinguishers

Description

- Water Fire Extinguishers are made of high quality steel ST14.
- Water Fire Extinguishers are effective on class A fire.
- Corrosive and impact resistant polyester paint finish (powder coating).
- All Extinguishers are coated internally for optimal protection against rust and corrosion.
- The valve is provided with safety release valve to release the excess pressure .
- These extinguishers are manufactured according to International Standards and approved by Local Civil Defence in U.A.E.
- Cylinders of different capacity can be supplied upon request.
- Water Fire Extinguishers are available in Red colour.

Specification

SPECIFICATION	MODEL				
	FW25L	FW50L	FW100L	FW125L	FW150L
CAPACITY (Ltrs)	25	50	100	125	150
DISCHARGE RANGE (m)	8	10	10	12	12
OPERATING PRESSURE (Bar)	15				
TEST PRESSURE (Bar)	30				
EXTINGUISHING AGENT	WATER				
TEMPERATURE RANGE	+5°C TO +60°C				
CYLINDER MATERIAL	COLD ROLLED STEEL SHEET				
VALVE	BRASS HOT STAMPING				
PAINTING	SUPER FINISHED ELECTRO-PLASTIC POLYESTER EPOXY RESIN				
CLASS OF FIRE	A				

Standard Portable & Mobile
Wet Chemical Fire Extinguishers

Description

- Wet Chemical Extinguishers are made of high quality ST14 by means of deep drawing.
- Wet Chemical Extinguishers are effective on class A & F fires.
- Corrosive and impact resistant polyester paint finish (powder coating) .
- All extinguishers have been coated internally for optimum protection against rust and corrosion.
- A new fire extinguisher additive that knocks down fires fast and effectively, preventing reignition.
- Non-toxic , non-corrosive, non-irritant and is harmless to humans and animals.
- Contains No halogens, CFC's or toxic products.
- Wet Chemical extinguishers are manufactured in accordance with the requirements of International Standards.
- Special size of cylinder capacity is available as per request.

A — Wood, Rubber, Paper, Textiles

F — Cooking Oil

Specifications of Portable Extinguishers

SPECIFICATION	MODEL				
	FWC2	FWC4.5	FWC6	FWC9	FWC17
CAPACITY (Ltr)	2	4.5	6	9	12
DISCHARGE RANGE (m)	5	7	8	8	10
DISCHARGE TIME (sec)	6	6	6	9	10
TEST RATING	5A 5F	13A 25F	13A 25F	21A 75F	21A 75F
OPERATING PRESSURE (Bar)	15	15	15	15	15
TEST PRESSURE (Bar)	30	30	30	30	30
EXTINGUISHING AGENT	WET CHEMICAL				
TEMPERATURE RANGE	-20°C TO 60°C		-20°C TO 60°C		-20°C TO 60°C
CYLINDER MATERIAL	COLD ROLLED STEEL				
VALVE	HOT STAMPING				
PAINT FINISH (external)	ELECTROSTATIC POLYESTER RESINS				
PAINT FINISH (internal)	PVC LINED				
CLASS OF FIRE	A, F				

Specifications of Mobile Extinguishers

SPECIFICATION	MODEL					
	FWC20	FWC25	FWC30	FWC50	FWC100	FWC150
CAPACITY (Ltr)	20	25	30	50	100	150
DISCHARGE RANGE (m)	8	8	8	8	8	8
DISCHARGE TIME (sec)	20	25	28	42	55	75
TOTAL HEIGHT (mm)	1000	1000	1000	1000	1100	1200
HEIGHT OF EXTG. (mm)	900	900	900	900	950	1200
DIAMETER (mm)	252	252	252	320	480	480
HOSE LENGTH (mm)	3	3	3	5	5	5
EXTINGUISHING AGENT	WET CHEMICAL					
OPERATING PRESSURE (Bar)	15					
TEST PRESSURE (Bar)	30					
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN					
BOTTOM BASE	POLYPROPANE PLASTIC WITH RUBBER MIXTURE TO PROVIDE STRONG AND FLEXIBLE COMBINED PROPERTIES WITH U.V. STABILIZER					
RISING PIPE	PLASTIC/ALUMINIUM					
CYLINDER MATERIAL	COLD ROLLED STEEL					
CLASS OF FIRE	A, F					

Standard Portable FE-36
Fire Exitinguishers

HFC-236fa

$CF_3 - CH_2 - CF_3$

1,1,1,3,3,3 Hexaflouropropane

Description

- Steel cylinder of high quality ST14 by means of deep drawing and painted with anti-corrosive polyester paint (powder coating).
- FE-36 gas is effective on class A,B, C & E fires and it is ideal for multi-risk fire.
- Corrosion and impact resistant polyester finish.
- Equipped with entire brass valve with pistol system.
- Ready for instant use and simple to operate.
- Approved by UAE Civil Defence and it is manufactured according to International Standards .
- The valve is equipped with safety release pressure to avoid any bursting of cylinders during high temperature.
- Do not use on fires involving carbon disulphate and flammable metal.
- Available in Green and Red colour.

Specification

SPECIFICATION	MODEL							
	FE1	FE2	FE3	FE4.5	FE6	FE9	FE12	FE12
CAPACITY (KG)	1	2	3	4.5	6	9	12	12
FIRE RATING	5A:34B	6A:21B	13A:34B	21A:43B	27A:144B	34A:144B	34A:144B	34A:144B
DIAMETER (MM)	90	110	130	135	160	180	185	185
BREADTH OF BASE (MM)	120	140	150	185	230	240	240	240
HEIGHT OF BASE (MM)	240	300	350	400	480	480	480	550
TOTAL HEIGHT (MM)	300	380	430	520	680	680	680	800
DISCHARGE RANGE (M)	3	3	5	5	8	8	8	8
DISCHARGE TIME (SEC)	>8	>8	>8	>8	>8	>8	>10	>10
EMPTY WEIGHT (KG)	0.7	1.2	1.85	2.1	2.5	3.55	3.55	3.98
GROSS WEIGHT (KG)	1.7	3.2	4.85	6.6	8.5	12.55	12.55	15.98
PACKING FINAL VOLUME (M³)	0.004	0.007	0.008	0.013	0.014	0.024	0.025	0.03
CYLINDER WALL THK (MM)	1.0	1.0	1.0	1.0	1.2	1.5	1.5	1.5
HOSE	ICHOSE	WITH HOSE AND HORN						
CLASS OF FIRE	A B C & E							
EXTINGUISHING AGENT	FE-36 GAS							
OPERATING PRESSURE (BAR)	15							
TEST PRESSURE (BAR)	30							
NOZZLE	TOUGH ABS PLASTIC WITH U.V. STABILIZERS							
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN							
BOTTOM BASE	HDPE PREMIUM POLYETHYLENE WITH U.V. STABILIZERS AND FLAMING RETARDANT PROPERTIES AND U.V. STABILIZERS							
RISING PIPE	PLASTIC/ALUMINUM							
TEMPERATURE RANGE	-20°C TO +60°C							
CYLINDER MATERIAL	COLD ROLLED STEEL							
PAINTING	SUPERIOR FINISHED ELECTRO PLASTIC POLYESTER EXPOSY RESIN							
PRINTING	CLEAR ATTRACTIVE SCREEN PRINTING							
MOUNTING	WALL MOUNTING USING BRACKET							

Standard Portable Firex-200
Fire Exitinguishers

HFC-227ea

CF_3- CHF- CF_3

Heptafluoropropane

Description

- Steel cylinder of high quality ST14 by means of deep drawing and painted with anti-corrosive polyester paint (powder coating).
- FM-200 gas is effective on class A ,B, C & E fires and it is ideal for multi-risk fire.
- Corrosion and impact resistant polyester finish.
- Equipped with entire brass valve with pistol system.
- Ready for instant use and simple to operate.
- Approved by UAE Civil Defence and it is manufactured according to International Standards.
- The valve is equipped with safety release pressure to avoid any bursting of cylinders during high temperature.
- Do not use on fires involving carbon disulphate and flammable metal.
- Available in white and red colour.
- Size capacity of cylinder can be supplied upon request.

Specification

SPECIFICATION	MODEL							
	FFM1	FFM2	FFM3	FFM4.5	FFM6	FFM9	FFM10	FFM12
CAPACITY (KG)	1	2	3	4.5	6	9	10	12
FIRE RATING	3A:13B	5A:21B	6A:34B	21A:89B	27A:144B	34A:144B	34A:144B	34A:144B
DIAMETER (MM)	80	110	130	135	160	165	168	168
BREADTH OF DISTC. (MM)	150	140	150	195	250	240	240	240
HEIGHT OF DISTC. (MM)	240	360	455	430	425	405	425	580
TOTAL HEIGHT (MM)	365	360	450	525	660	500	580	660
DISCHARGE RANGE (M)	3	5	6	6	6	6	6	6
DISCHARGE TIME (SEC)	>8	>8	>9	>9	≥9	≥9	≥15	≥15
EMPTY WEIGHT (KG)	0.7	1.2	1.25	2.1	2.5	3.55	3.55	3.08
GROSS WEIGHT (KG)	1.7	3.2	4.25	6.6	8.5	12.55	13.55	15.08
PACKING FINAL VOLUME (M³)	0.004	0.007	0.008	0.013	0.014	0.024	0.025	0.03
CYLINDER WALL THK. (MM)	1.0	1.0	1.0	1.2	1.2	1.5	1.5	1.5
HOSE	NO HOSE	WITH HOSE AND HORN						
CLASS OF FIRE	A B C & E							
EXTINGUISHING AGENT	FM-200 GAS							
OPERATING PRESSURE (BAR)	15							
TEST PRESSURE (BAR)	30							
NOZZLE	TOUGH ABS PLASTIC WITH U.V. STABILIZER							
VALVE	BRASS, NICKLE PLATED WITH RIGID HANDLE & SAFETY VALVE PIN							
BOTTOM RING	POLYPROPANE PLASTIC ANTI-RUBBER MIXTURE TO PROVIDE STRONG AND DURABLE CUSHIONING PROPERTIES WITH U.V. STABILIZERS							
RISING PIPE	PLASTIC/ALUMINIUM							
TEMPERATURE RANGE	-20°C TO +60°C							
CYLINDER MATERIAL	COLD ROLLED STEEL							
PAINTING	SUPER FINISHED ELECTRO PLASTIC POLYESTER EPOXY RESIN							
PRINTING	CLEAR ATTRACTIVE SCREEN PRINTING							
MOUNTING	WALL MOUNTING USING BRACKET							

APPLICATIONS

- *Telecommunications Facilities*
- *Special Storage Facilities*
- *Computer Operations Rooms*
- *Data / Equipment Control Room*
- *Marine Systems*
- *Record and Archive Storage*
- *Museums*
- *Universities and Colleges*
- *Pharmaceutical and Medical Facilities*
- *Industrial Applications*
- *Petrochemical Installations*

Firex-200 Fire Suppression System (Clean Agent) (HFC- 227ea Heptafluoropropane)

HFC-227ea (chemically known as Heptafluoropropane) was developed to replace Halogenated Agent in January 1994. The replacement was done due to the intense ozone depletion caused by the Halogenated Agent . In contrast, HFC-227ea complies with NFPA Standard 2001. Tests after tests had confirmed that HFC-227ea is capable to extinguish fire in seconds, safe for human and hold damage on assets to a minimum. No facility in this world can afford the loss of human, money, time, & assets that occurs after a fire.

HFC-227ea manufactured in strict accordance with Civil Defence regulations as well as NFPA 2001. The HFC-227ea suppression agent is stored in various sizes of containers with valve assemblies consisting of an immediate acting rupture disc and an electrical actuator. A pressure guage is also installed to allow a quick inspection of container pressure .

- *We reserve the right to change the components without prior notice, subject to availability.*

Kitemarked Clean Agent Fire Suppression System (Firex200)

Heptafluoropropane, HFC-227 or HFC-227ea,

As well as apaflurane , is a colorless, odorless gaseous halocarbon commonly used as a gaseous fire suppression agent.

HFC-227ea was developed to replace Halogenated Agent in January, 1994.The replacement done due to the intense Ozone depletion caused by Halogenated Agents .

Firex200 agent (HFC-227ea) is a clean agent complies with BS EN 15004-5:2008. Tests after test confirmed that (HFC-227ea) is capable to extinguish fire in seconds, safe for human and hold extinguish damage in assets to a minimum.

Our Gas Extinguishing System model [**Firex200**] is a clean agent fire Suppression System designed and manufactured by (**FIREX**) and approved to BS EN 15004-1:2008 by British Standards Institution (BSi) under Kite mark number [**KM 606270**].

The above system mentioned is accredited by **United Arab Emirates** [UAE] and other **GCC** civil defense.

Gas Extinguishing System model [**Firex200**] can be provid ed with various Agent containers sizes filled with (HFC-227ea), pressurized by Nitrogen and fitted with discharge valve head just ready to be connected to the system pipe works according the system design.
The cylinders heads Valves equipped with pressure gauges , and Pressure switches for easy inspection and operation.

Firex200 can be used for all or any of the following applications:

- Computer rooms
- Telecommunication centers
- Records and data archives
- Testing I imaging equipment
- Reference material
- Chemical laboratories
- Clean rooms
- Control rooms
- Flammable liquid storage
- Robotic equipment
- Textile manufacturing
- Electric utility facilities
- Media storage
- Art I artifacts I historical collections

Firex-200 Fire Suppression System (Clean Agent)
(HFC-227ea Heptafluoropropane)

HFC-227ea (chemically known as Heptafluoropropane) was developed to replace Halogenated Agent in January 1994. The replacement was done due to the intense ozone depletion caused by the Halogenated Agent . In contrast, HFC-227ea complies with NFPA Standard 2001. Tests after tests had confirmed that HFC-227ea is capable to extinguish fire in seconds, safe for human and hold damage on assets to a minimum. No facility in this world can afford the loss of human, money, time, & assets that occurs after a fire.

CERTIFICATE OF APPROVAL
No. ME 5005

MECHANICAL COMPONENTS

Discharge Nozzle

Discharge Valve with Solenoid Actuator

Flexible Discharge Hose

ELECTRICAL COMPONENTS

Alarm Bell

Horn I Strobe

Detectors

Abort Switch

Manual Release

Warning Plate

Control Panel

Clean Agent

SEV SYSTEMS

Designed for

use with 3V1 Novec™ 1230

UL LISTED FM APPROVED

New 3M Novec 1230 Fire Protection Fluid represents a breakthrough in halon replacement technology combining high extinguishing

UL LISTED FM APPROVED

Fire Protection Fluid

3M™ Novec 1230 Fire Protection Fluid is a next-generation halon replacement, designed to alleviate concerns for human safety, performance and the environment. Unlike first-generation HFCs, Novec 1230 fluid has the key features defining sustainable clean agent.

- Zero ozone depletion potential
- Five-day atmospheric lifetime
- A global warming potential of one
- A large margin of safety for occupied spaces

With Zero Ozone Depletion potential, 5-day atmospheric lifetime and a Global Warming Potential of One, Novec fluid offer your customers a long-term, sustainable alternative to Halons, HFCs and PFCs.

Because of its wide margin of safety, Novec1230 fluid is ideal for special hazards fire protection such as telecommunication switch rooms, computer and electronic control rooms, including hospitals casinos, library archives, marine applications, plus critical military and flight line operations.

Retrofit Packages Compatible with most current detection and control equipment. Package include:

Pre-engineered system cylinders, charges with 3M Novec 1230 Fire Protection Fluid. Available in 40 to 910 lb capacities.

Cylinder Valves of pressure-seated, high flow rate design, to meet the rapid discharge time specified in NFPA 2001. Each has a brass body, brass piston with resilient seat, pressure-releasing pilot check, safety disc assembly, pressure gauge and an electric solenoid valve. Available in different sizes from 1.25" to 3".

Pre-engineered system nozzles designed to provide and through mixing of agent with air, and to provide coverage for a wide area. Available in different sizes from 0.5" to 2.5", in either 180°or 360° discharge pattern.

Fixed Fire Extinguishing
System For Kitchens {FX-KHS}

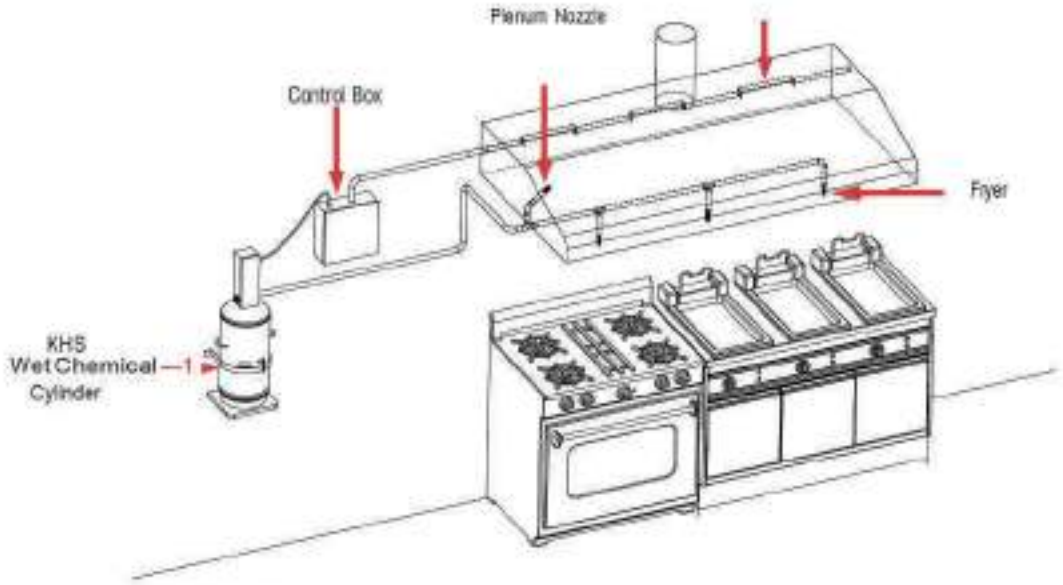
FIREX's FX-KHS

FIREX's FX-KHS is fixed fire extinguishing system for the kitchens fat fires using special wet chemical discharged from nozzles already pipe worked to the wet chemical tank.

The system can be actuated automatically or manually as required. The automatic actuation will be caused when one or more of the fusible links breaks loosening the cord which holding the system on standby when the cord become loose the discharge valve will be actuated allowing the wet chemical to discharge from the cylinder then to sprayed on the fire knocking down the temperatures to become below the oil/fat ignition temperatures and extinguish the fire with layer of foam or all surface to prevent the re-ignition.

FIREX's FX-KHS features 24-Hour automatic or manual protection for commercial cooking areas; ducts, plenums, hoods and cooking surfaces.

FIREX's FX-KHS has been certified
by LPCB recently to LPS 1223



CO2 System

Carbon Dioxide Fire Suppression System consists of one of more bank of cylinder storage containers to supply the CO2 extinguishing agent. Flexible discharge bends or hoses connects the cylinders into a piping manifold. The manifold in turn distributes the agent into the piping network. Nozzles regulate the flow of CO2 into the protected area.

CO2 is Electrically Non-conductive

Carbon Dioxide fire extinguishing systems can be used to protect a wide variety of hazards from delicate electronic equipment without danger or damage.

CO2 is Non-Damaging

When designed, engineered and installed properly, Carbon Dioxide fire suppression systems will not normally damage sensitive electronic equipment. Carbon Dioxide has no residual clean-up associated with its use as a fire suppressing agent. When it is properly ventilated , the gas escapes to atmosphere after the fire has been extinguished .

Solenoid Valve
Electric Actuator

Manual Pneumatic
Valve

High Pressure
Discharge Hose

Discharge Nozzle

Discharge Nozzle

APPLICATIONS
Telecommunications
Museums
Switch Rooms
Computer Rooms
Archives
Laboratories Paper
Storage

Argonite System - TG 55

APPLICATIONS

Telecommunications
Museums
Switch Rooms
Computer Rooms
Archives
Laboratories
Paper Storage

Argonite Fire Protection Systems are clean agent, automatic extinguishing systems that use Argonite (IG-55) and consist of four basic components and their associated accessories :

- Argonite Cylinders and Components,
- Completer Kits,
- Control Panels,
- Detection and Alarm Devices.

Argonite is an inert gas mixture, in equal parts, of Nitrogen and Argon. Both substances are naturally occurring and present in the atmosphere. Argonite is safe for use in occupied spaces and poses no threat to the environment.

AGENT DESCRIPTION

Argonite is a mixture of 50% pure Nitrogen and 50% pure Argon. Argonite contains only naturally occurring substances, and as such, has no ozone depletion potential and no direct global warming potential. Argonite extinguishes by means of reducing the oxygen content within a room to the point at which fire can no longer burn, but without compro mising the safety of individuals present. There are no toxicological factors associated with the use of Argonite. Argonite will not decompose or produce any by-products when expose to a flame from a fire condition. Argonite systems are designed to extinguish fires with a minimum agent concentration of 37.9% achieved within one minute. This results in extinguishment of the fire and an oxygen concentration of 13%. Argonite is stored as a gas within the cylinder assembly. It is available at a storage pressure of 2900 PSI (200 bar) .


Air Relief Valve


Discharge Nozzle with Horn


Check Valve


Safety Valve

Foam

General Description

Firex Foam is used for fire suppression. Its role is to cool the fire and to coat the fuel, preventing its contact with oxygen, resulting in suppression of the combustion.

The AFFF (Aqueous Film Forming Foam) foam concentrate consisting of flurocarbon and hydrocarbon surfactant blended with various solvents, preservatives and stabiliz ers. This foam forms an aqueous film that quickly cuts off the oxygen supply and thus stopping the fire from burning. The foam also forms a stable blanket that suppresses the release of flammable vapours and cool down the fuel surface extinguishing the fire and preventing re-ignition.

The FP 3% is a fluroprotein foam concentrate containing fluorinated surfactant in a carefully formulated protein foam liquid base. This ensures the production of stabilized fluid foam which will cover a burning fuel. The water soluble fluorosurfactant makes the foam hydrocarbon repellent and reduces the amount of burning particles absorbed by the foam. Once the fire extinction has been achieved the high stability of the foam blanket ensures the prevention of re-ignition.

Both the AFFF and the FP 3% foam are intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuel. The FP 3% can be applied directly onto the fire surface and is also suitable for sub surface injection and the AFFF can be used with both aspirating and non aspirating discharge devices. And they are compatible with all dry chemical powder and can be used in powder/foam twin agent systems.

Fomtec Foam

Fomtec, a leading manufacturer of high quality fire protection products has authorized Firex to distribute a wide range of foam concentrate. And these foam concentrates are the following:

AFFF 3% Ultra FOAM CONCENTR ATE

Fomtec AFFF 3% Ultra is an aqueous film forming foam concentrate (AFFF) consisting of fluorocarbon and hydrocarbon surfactants blended with various solvents , preservatives and stabilisers .

The foam forms an aqueous film that rapidly cuts off the oxygen supply and thus knocks down the fire. The expanded foam from which the film is drained forms a stable blanket that suppresses the release of flammable vapours and cools down the fuel surface extinguishing the fire and preventing re-ignition.

Application

Fomtec AFFF 3% Ultra is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels . It can be used with both aspirating and non-aspirating discharge devices.

Fomtec AFFF 3% Ultra is especially suited whenever rapid fire knock-down is essential. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems.

AFFF 6% Ultra also UL listed.

ARC 3x3 Ultra FOAM CONCENTRATE

Fomtec ARC 3x3 Ultra is an ultra efficiency multi purpose film forming foam (3x3).

The main advantage of Fomtec ARC 3x3 Ultra is the 3% induction ratio on hydrocarbon fires and 3% on polar solvents.

The film forming characteristics of Fomtec ARC 3x3 Ultra means that it spreads rapidly across a fire. As a result, it is highly effective against hydrocarbon fires and with the addition of special polymers it is also highly effective against polar solvents.

Application

Fomtec ARC 3x3 Ultra is intended for use on class B hydrocarbon fuel as well as on polar solvent i.e Isopropanol, Methanol etc and other foam destroying product fires such as MTBE. It can be used with both aspirating and non-aspirating discharge devices. It is compatible with all dry chemical powders.

ARC 1X3 Ultra and ARC 3x6 Ultra also UL listed.

Fomtec Foam

FP 6% UL FOAM CONCENTR ATE

Fomtec FP 6% Ulis a flouroprotein foam concentrate contain ing flourinated surfactants in a carefully formulated protein foam liquid base. This ensures the production of a stabilised fluid foam which will cover a burning hydrocarbon fuel surface rapidly.

Application

Fomtec FP 6% UL is intended for use on class B hydrocarbon fuel fires such as oil, diesel and aviation fuels.Fomtec FP 6% UL can be applied directly onto the fire surface and is also suitable for sub surface injection. It is compatible with all dry chemical powders and can be used in powder/foam twin agent systems.

In addition to the above UL listed foams, Fomtec has a wide range of foams with certifications for other sectors , such as marine and shipping (IMO SOLAS), civil aviation(ICAO level B), military (UK Defence) and many appovals to European Standard EN 1568. All of these are available from Firex.

FP 3% UL also UL Listed.

FFFP ARC 3x3 NV

NEWTONIAN FOAM CONCENTRATE

Fomtec FFFP ARC 3x3 NV Avalanche is a high efficiency multipurpose alcohol resistant film forming fluoroprotein foam (3x3) concentrate.

Fomtec FFFP ARC 3x3 NV is a liquid based on environmentally friendly natural protein and does not contain any polymer that makes general AR type foam concentrates viscous. Its high fluidity makes the induction easier and accurate through both portable and fixed inline proportioners even at extremely low temperatures (-18°C).

The advantage of Fomtec FFFP ARC 3x3 NV is the 3% induction ratio on all class B fires including polar solvents in fresh or seawater.

The low surface tension of the water foam concentrate solution enables the aqueous film, although heavier than the burning liquid, to float on top of the hydrocarbon fuel surface. The specially selected fluorocarbon surfactants 'seal' the bubbles against attack from polar solvents and also provide a highly effective floating foam layer on top of the polar solvents .

Application

Fomtec FFFP ARC 3x3 NV is intended for use on class B hydrocarbon fuel as well as on polar solvent i.e Isopropanol, Methanol etc and other foam destroying product fires such as MTBE. Typical applications are bulk storage tank protection, process areas, power stations , marine terminals, municipal fire departments, offshore platforms etc. It is compatible with all

Fire Performance & Foaming

Fomtec FFFP ARC 3x3 NV has been designed to give the best properties of

1- Aqueous film forming foam
2- Alcohol resistant foam
3- Fluoro protein foam

The fire performance of this product has been measured and documented according to "International Approvals" stated in this document. The foaming properties are depending on equipment used and other variables such as water and ambient temperatures . Average expansion 6:1, average 1/4 drainage time 02:20 minutes using UNI 86 test nozzle.

Standard Foam And Bladder Tanks

Description

The Firex Bladder Tank is one component in a balance pressure foam proportioning system. It requires no external power, other than the water pressure to ensure correct operation. The Vertical and Horizontal Bladder tanks are designed and constructed in accordance with the latest revisions to ASME code, Section VIII for unfired pressure vessels with a working pressure of 175 psi and tested to one and half times this pressure.

Specifications

The tank shell is constructed of steel, complying with ASME specifications , possessing a tensile strength of not less than 70,000 psi. The circumferential , as well as the longitudinal body seam, is machine welded. The tank interior is sand blasted white and have all welds and edges ground smooth.

The tank shell water inlet will be screened to prevent bladder blow out or the entrapment of debris between the tank shell and the bladder. All other openings greater than 1" is screened to prevent bladder blowout.

MAGNUM
FIRE AND SAFETY SYSTEMS

UL LISTED

Bladder Tank

Product Summary

Magnum Bladder Tanks are the main component in a balanced pressure proportioning system. The Magnum Bladder Tank is an ASME coded pressure vessel.

The tanks are constructed of SA 516 GR.70 carbon steel and include a neoprene rubber bladder with nylon reinforcements and a perforated pvc center tube. Magnum Bladder Tanks are available in both vertical and horizontal configurations and are an option

in many high risk areas. The uncomplicated design avoids the risk of a system failure and the ease of operation requires no outside source. The Magnum Bladder Tanks are also offered with pre-piped ratio controllers, UL listed with sizes 3", 4", 6" and 8".

Standard Features

Design Working Pressure of 175 PSIG

Hydro Tested at 263 PSIG

Constructed of Carbon Steel

Includes a Neoprene Rubber Bladder with Nylon Reinforcements

Lifting Lugs

Vertical Tanks are mounted on a skirt with holes drilled for anchoring.

Horizontal Tanks are mounted on welded saddles with holes drilled for anchoring.

Stainless Steel ASME Nameplate

ASME Code Section VIII, Division 1 U-Stamped

National Board Registration

The exterior of all bladder tanks will be prepared and finished with a high gloss urethane.

Foam Equipments

Features- Hose Reel Station

Nozzle is a air-aspirating type , which has a better stream and gives a constant flow.
Foam concentrate storage tank is manufactured of 316 stainless steel or GRP.
Foam Inductor is mounted on top of tank.
Tank is supplied with 1/2" drain valve and 4" fill opening on top of tank.
Tank can be refilled during operation of the unit.
In-line eductor has a variable metering valve 1% - 3% - 6%.
Suitable for use with any type of foam concentrate.

Hose Reel Station

Available capacities
50 Gh,100 Gh, 150 Gh.

High Expansion
Foam Generator

Available capacities
50 Ltr, 100 Ltr, 150 Ltr.

Foam Master

Foam Master

Foam Inductor
with pick up tube

Medium expansion
Foam branch pipe

Low expansion
Foam branch pipe

Foam Monitors

Monitor & Nozzle

Handle Operated Monitor
Suitable for flows up to 1000 GPM
2'h" NHT male outlet
360° Horizontal travel
Vertical 135° (90° above to 45° below)
Locking device for horizontal & vertical position
Stainless steel handle for control horizontal and vertical position
3" stainless steel water way
4" ANSI inlet flange gun metal RF

Double Wheel Operated Monitor
Suitable for flows up to 1000 GPM
2'h" NHT male outlet
360° Horizontal travel
Vertical 150° (90° above to 60° below)
Horizontal and vertical position controlled by double handwheel driven worm gear
Material for body, gear, nozzle : Gun metal
Materials for handle : Aluminium Alloy
4"ANSI inlet flange gun metal RF

Oscillating Monitor
Automatic horizontal oscillation when water pass through monitor
Oscillation angle adjustable in 15 steps from 300° to 120°
Oscillating speed adjustable from 2 to 10 per sec.
Manual movement 360° horizontal
4" ANSI inlet flange gun metal RF
3"stainless steel waterway
Nozzle and flange in gun metal
Oscillating mechanism: Aluminium
Cover : Mild Steel

Handle Operated Monitor
Suitable for flows up to 1000 GPM
2'W" NHT male outlet
360° Horizontal travel
Vertical 135° (90° above to 45° below)
Locking device for horizontal & vertical position
Stainless steel handle for control horizontal and vertical position
Material construction Gun Metal
4" ANSI inlet flange gun metal RF

Portable Monitor
Suitable for flows up to 1000 GPM
2'h" NHT male outlet
Inlet: male instantaneous or female NHT
Carrying handle
Handwheel driven for vertical movement 700 above
360° Horizontal movement w ith twist lock
Inlet two 2-'h" NHT female or with BS male instantaneous

Material body :	Stainless steel and aluminium alloy
Material for stand :	Mildsteel
Material for nozzle :	Gun Metal
Material Inlet :	Gun Metal

Monitor Air Aspirating Nozzle
Inlet 2-'h" NHT female for connection to monitor
Flowrate up to 500 GPM @ 7bar
Stream pattern adjustable w ith lever from straight stream to fan type
Throw range 45m @ 7bar
Foam expansion ratio 7-10
Available w ith foam inductor
material of construction aluminium alloy

Monitor Nozzle

WITH FOAM INDUCTOR

Material of construction Gun Metal Straight stream and fog pattern Optional chrome finish. Foam monitor nozzle with built in foam inductor, flexible hose and pick up tube, can be fitted to existing monitor and pick up tube place in a 200L foam drums for immediate AFFF application

Type	Setting	Flowrate GPM at 6.8 bar (100 psi)	Effective reach Feet at 6.8 bar (100 psi)
350	SS	298	140
	30 deg.fog	350	90
500	SS	405	130
	30 deg.fog	500	50
1000	SS	780	260
	30 deg.fog	1000	135
500 with Foam Inductor	SS	475	162
	30 deg.fog		80

Standard Fire Hoses (Aquaplus)

Fire Hose (Layflat)

FIREX Fire Hoses are the highest quality and are widely used by fire brigades and industrial users. Available as either coated or uncoated., 75 ft in lengths up to 100 ft. and including 150 fts. (45m). Firex fire hose is ideal for washdown and can be supplied in Red and White.
Firex Fire Hoses are coated comprise close woven synthetic layer filament yarns for light and exceptional strength.

Specifications of Fire Hose

Model No.	FXHS-38 (1½") FXHS-65 (2½")
Material	External & internal and rubber lining combined with closely woven polyster fiber reinforcement.
Standard Coil Length	25, 30, 40, 45 & 60 m
Standard Specification	BS 6391 TYPE - 1
Test Pressure	30 Bar
Working Pressure	16-20 Bar
Burst Pressure	50-60 Bar
Available sizes (dia.)	1½" & 2½"
Color	Red & White

Features:

Flexible hose with rubber reinforcement. Outside Finish: Smooth (corrugated available).
Tubing is supplied in 20m and 30m lengths as standard.
Other lengths are available.

UL/FM Fire Hoses

Fire Hose

UL/FM FIRE HOSE DATA SHEET

PRODUCT DESCRIPTION

UL/FM LISTED FIRE HOSE, SINGLE JACKET , WP 250PSI, BP 750PSI, 2.5"/ 1.5"

CONSTRUCTION

UL/FM FIRE HOSE is the ultimate in quality, municipal grade fire hose. This hose is constructed of single jacketed spun synthetic polyster warp threads and polyester filament filler threads with Hot Melting Adhesive and EPDM Lining. Its engineered design guarantees minimum weight with maximum durability and fiexibility. The standard color for this hose is white.

FEATURES

EPDM rubber liner, Kink resistant, Low Maintenance, UL/FM Listed Ozone resistant

PVC DOUBLE COATING FIRE HOSE

Features

Abrasion Resistance
Impact Resistance
Easy Clean
Long Serving Life

PVC FIRE HOSE

Model: Synmex FU651

Features

Light weight
Good elasticity
Small flow resistance
Easy to wind and roll

Technical Data

Outer Jacket-weft	Spun polyester
Outer Jacket-warp	Polyester filament
Inner Diameter	2.5"/1.5"
Liner	EPDM Rubber, extruded
Working pressure	250PSI
Bursting pressure	750PSI
Weaving	Twill
Temperature range	-30°C to 70°C
Approvals	UL/FM listed

Magmex Fire Hose

All Synthetic, EPDM Rubberlined Fire Hoses

UL LISTED

Construction

Outer Jacket woven with high tenacity synthetic yarn on fully automated circular weaving looms.

Inner Lining

Ultra light weight synthetic EPDM Rubber lining having low friction loss and very high ozone resistance .

Characteristics

- 100% synthetic construction having:
- Resistant to sea-water and ozone
- Resistant to mildew and fungus
- High pressure ratings
- Flexible, compact and easy to clean
- Temperature range from -40°C to 100°C
- Colour : Siver White

Standard Lengths

15mtr, 18.3mtr, 22.5mtr and 30mtr

Application

- Fire brigades
- High rise buildings
- Power plants
- Steel plants
- Railways
- Sailing vessels ,
- Thermal Power Plants,
- Pharmaceutical Industries
- And other industries.

Approvals

- ISi marked under IS:636/1988 Type A
- I KITE MARK Approval under
- British Standards BS:6391 Type 1
- UL Listed under UL-19 (USA)
- Lloyds Approved to BS:6391
- DG-Shipping (MMD Approved)
- ISO:9001 :2008 quality systems
- Ell Approved

Size mm/inches	Max Wt gm/mtr	Working Pressure		Proof Pressure		Burst Pressure	
		PSI	Kg/cm2	PSI	Kg/cm2	PSI	Kg/cm2
38 / 1½"	255	260	18	320	22	600	42
50 / 2"	330	260	18	320	22	600	42
63.5 / 2½"	410	260	18	320	22	575	40
70 / 2¾"	460	260	18	320	22	575	40
76 / 3"	470	260	18	320	22	550	43

Fire Hose Rack

- Designed for interior use.
- Available in two sizes 65mm and 40mm to comply with NFPA 14 requirements for classes 1,11 & III of stand pipe systems.
- Light weight construction and easy for installation and operation.
- Immediate and readily available means of controlling and suppressing fire by a single person.

SPECIFICATIONS		
Item No.	Items	Remarks
1	Landing Valve	Available in 175psi and 300psi, Ø40mm, Ø65mm
2	Rack	Available in Red Color / Chrome Finish
3	Pins	Available in Red Color / Chrome Finish
4	Fire Hose	Available in Ø40mm, Ø65mm, 30 meter Length, Red/White
5	Nozzle	Available in Ø40mm / Ø65mm
6	Rack Nipple	Available in Red Color / Chrome Finish

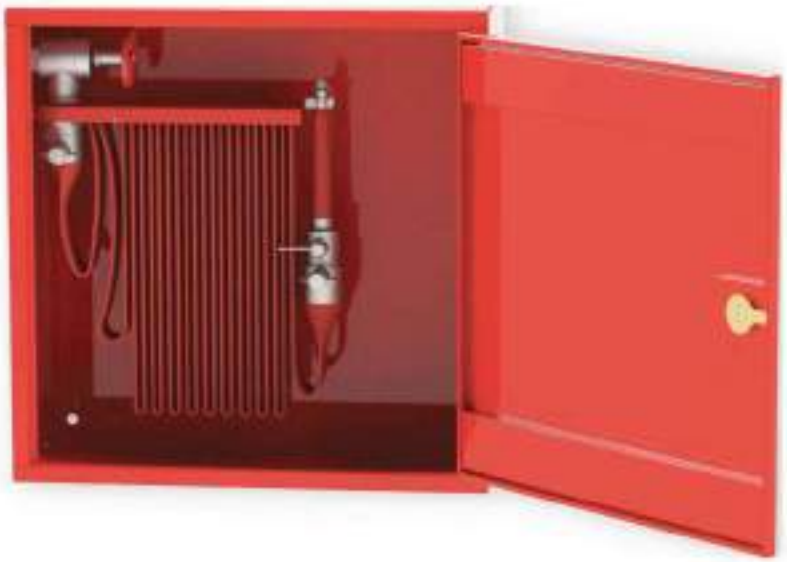
VALVE
Connection to standpipe.
Controls water flow and pressure .

RACK
Provides storage for folded hose and nozzle.
The water retention device provides one-person operation.

HOSE
A lightweight, durable ,compact, and readily deployed hose that is testable and easily folded for rack storage.

NOZZLE
Connection to standpipe.
Controls water flow and pressure .

RACK NIPPLE
Supports the hose rack and allows directional deployment of hose.



Standard Fire Hose Reel

Manual Fire Hose Reel
Model: FX/HR/M25

General Description

Reel Plates are made from 1.5 mm thickness steel sheet and pressed in such a way to give a maximum rigidity. The reel plate edge is rounded to prevent sharp edges. Hose: made from natural rubber reinforced by double layer yarns, the outer and inner surface of the hose are smooth and seamless and can be withstand a pressure up to 30 bar. Bursting pressure is 60 bar and above. The hose is available in Red and Black color as required.

Automatic Fire Hose Reel
Model: FX/HR/M25

Swing Type and Fixed Type

Firex is one of the major manufacturers and suppliers of Swing and Fixed type hose reel which are specially designed for surface mounted where access is limited or in a recessed cabinet. The flexibility of Firex hose reel is high so that can be used without alternations for mounting with inlet to left or right of reel. The hose reel is fitted with specially designed glandless type drip proof seals which have been subjected to a hydrostatic test pressure of 30 bar.

Automatic Type Hose Reels

In this model of hose reel, it has an internal valve which is open when the hose reel is unwinded two turns allowing full flow of water.

TECHNICAL SPECIFICATIONS						PAINTING
		HOSE				
Size	Length	Colour	Working Pressure	Test Pressure	Bursting Pressure	Super-finished high corrosive resistance Epoxy powder coated paints.
3/4" (19 mm)	30 mtr 45 mtr	Red/black	20	30	60	
1"Ø (25mm)	30 mtr 45 mtr	Red/black	20	30	60	

LPCB Fire Hose Reel

Certificate No.: 863c

Manual Hose Reel
LPCB Ref. No. 863c/02

Automatic Hose Reel
LPCB Ref. No. 863c/01

Description	Automatic Hose Reel	Manual Hose Reel
Model	FX/HR/A25	FX/HR/M25
LPCB Ref. No.	863c/01	863c/02
Hose size	25mm x 30mm (Inner dia x Length)	25mm x 30mm (Inner dia x Length)
Type of Nozzles	1" Three way Chrome Nozzle	1" Three way Chrome Nozzle
	1" Jet Chrome Nozzle	1" Jet Chrome Nozzle
	1" Three way Plastic Nozzle	1" Three way Plastic Nozzle
	1" Jet Plastic Nozzle	1" Jet Plastic Nozzle
Working Pressure	12 bar	12 bar
Test Pressure	18 bar	18 bar
Minimum Burst Pressure	30 bar	30 bar
Valve	Automatic Valve	Manual Valve

BSI Fire Hose Reel

BS EN 671-1: 2012
KM No. 573983

Manual Hose Reel
KM No. 573983
Model: FX/HR/M25

Automatic Hose Reel
KM No. 573983
Model: FX/HR/A25

Description	Automatic Hose Reel	Manual Hose Reel
Model	FX/HR/A25	FX/HR/M25
KM. No.	573983	573983
Hose size	25mm x 30mm (Inner dia x Length)	25mm x 30mm (Inner dia x Length)
Type of Nozzles	1" Three way Chrome Nozzle	1" Three way Chrome Nozzle
	1" Jet Chrome Nozzle	1" Jet Chrome Nozzle
	1" Three way Plastic Nozzle	1" Three way Plastic Nozzle
	1" Jet Plastic Nozzle	1" Jet Plastic Nozzle
Working Pressure	12 bar	12 bar
Test Pressure	18 bar	18 bar
Minimum Burst Pressure	30 bar	30 bar
Valve	Automatic Valve	Manual Valve

Standard Nozzles and Branches

Discharge Nozzles

Hose reel nozzles are designed, tested and approved to meet International Standard.
Nylon and ABS Material complies to aging testing in accordance to IS04892-2.2.
Throw range position at 6m 30 deg. inclination, in accor dance to EN671-1 clause 10.4 Flowrate meets the equiva lent nozzle diameter of 6mm in accordance to EN671-1.

DISCHARGE NOZZLE DESCRIPTION		
Material	Discharge Type	Size
P V C	Jet, Spray & Shut off	1" Ø, 3/4"Ø
Brass	Jet, Spray & Shut off	1" Ø, 3/4"Ø
Nickle Chrome Plated Brass	Jet, Spray & Shut off	1" Ø, 3/4"Ø

3-Way Jet/spray/shut-off Valve Nozzle

3-Way Jet/Spray Nozzle is available in different type of inlet. Its functions can be adjusted to any desired applica tion such as jet, spray or shut off valve.

SPECIFICATION			
Model	BR1	BR2	BR3
Size (Inlet)	1"Ø	2"Ø	2½"Ø
Material	Aluminium Alloy to BS 1490 & Hard Plastic		
Throw Range	14 m (Jet & Spray)		
Type of Inlet	Instantaneous, Threaded & Ferrule		

Model	BR1C		
Size (Inlet)	1"Ø		
Material	Brass, Chrome plated		
Throw Range	14 m (Jet & Spray/Shut off)		
Type of Inlet	Instantaneous		

BSI Nozzles and Couplings

BS 336:2010
KM No. 601639

MODEL : FX07-131A

Controllable Branch Pipe

Size	H(mm)	W(mm)	Inlet	Outlet
DN50	405	165	G 2"	9mm
CMM	440	165	Storz-C	9mm
DN65	440	165	BS336	12.5mm

MODEL : FX07-131 B

Controllable Branch Pipe

Size	H(mm)	W(mm)	Inlet	Outlet
DN50	407	165	G 2"	9mm
CM	440	165	Storz-C	9mm
DN65	440	165	BS336	12.5mm

MODEL : FX07-131C

Controllable Branch Pipe

Size	H(mm)	W(mm)	Inlet	Outlet
DN50	390	165	G 2"	9mm
CMM	415	165	Storz-C	9mm
DN65	415	165	BS336	12.5mm

MODEL : FX08-201A

2 ½" aluminum delivery hose coupling with a 2 ¾" ribbed tail

Size	H(mm)	W(mm)	D(mm)	Head	Tail
1-½"	195	182	26.6	BS336	38mm
1-¾"	195	182	32.9	BS336	45mm
2"	195	182	38.5	BS336	51mm
2-½"	195	182	51.2	BS336	63.5mm
2-¾"	195	182	56.8	BS336	75mm

MODEL : FX08-201B

2 ½" Copper alloy delivery hose coupling with a 2 ¾" ribbed tail

Size	H(mm)	W(mm)	D(mm)	Head	Tail
1-½"	195	182	26.6	BS336	38mm
1-¾"	195	182	32.9	BS336	45mm
2"	195	182	38.5	BS336	51mm
2-½"	195	182	51.2	BS336	63.5mm
2-¾"	195	182	56.8	BS336	75mm

Standard Single Door Fire Cabinets

SINGLE DOOR CABINETS

In Variety of Sheets

Standard Dimension 800 (W) x 800 (H) x 300 (D) mm

Type	Thickness	Materials		Equipments inside the Cabinet	Finish
		Door	Back Box		
Recessed	1.2 mm	Mild Steel/GI	Mild Steel/GI	Fire Hose Reel or Fire Hose & Branch Pipe or Landing valve Hose Rack	Red Powder Coated
Surface Mounted		Mild Steel/GI/ Stainless Steel	Mild Steel/GI/ Stainless Steel		Red Powder Coated or Stainless Steel
Semi Recessed		Stainless Steel Brush/Mirror Finish	Mild Steel/GI		Red Powder Coated with Stainless Steel
Self Standing		Mild Steel/GI	Mild Steel/GI		Red Powder Coated

BREECHING INLET CABINETS

In Variety of Sheets

Standard Dimension 600 (W) x 400 (H) x 300 (D) mm (2 WAY)
Standard Dimension 600 (W) x 600 (H) x 300 (D) mm (4 WAY)

Type	Thickness	Material		Equipments inside the Cabinet	Finish
		Door	Back Box		
Recessed	1.2 mm	Mild Steel/GI with Glass	Mild Steel/GI	2 Way Breeching Inlet or 4 Way Breeching Inlet	Red Powder Coated
Surface Mounted		Mild Steel/GI with Glass	Mild Steel/GI		Red Powder Coated
Semi Recessed		Stainless Steel Brush ,Mirror Finish with Glass	Mild Steel/GI		Red Powder Coated with Stainless Steel

Standard Single Door Fire Cabinets

FIRE HOSE REEL CABINET

Technical Specification

Dimension	800 (W) x 800 (H) x 300 (D) mm
Material	Stainless Steel / Mild Steel / GI
Thickness	1.0 mm
Installation	Surface type, Recessed type, Semi Recessed type
Capacity	Manual or Automatic swing Hose Reel 3/4" or 1"
Paint Finish	Epoxy Red Powder Coated / Mirror or Brush Finish

FIRE EXTINGUISHER CABINET

Technical Specification

Dimension	600 (W) x 750 (H) x 250 (D) mm
Material	Mild Steel / Stainless Steel / GI
Thickness	1.0 mm
Installation	Surface type, Recessed type, Semi Recessed type
Capacity	1 No. Dry Powder & 1 No. CO2 Fire Extinguisher
Paint Finish	Epoxy Red Powder Coated / Mirror or Brush Finish

BREECHING INLET CABINET

Technical Specification

Dimension	600 (W) x 600 (H) x 300 (D) mm for 4 WAY BI 600 (W) x 400 (H) x 300 (D) mm for 2 WAY BI
Material	Mild Steel / Stainless Steel / GI
Thickness	1.0 mm
Installation	Surface type, Recessed type, Semi Recessed type
Capacity	2 or 4 Way Breeching Inlet
Paint Finish	Epoxy Red Powder Coated / Mirror or Brush Finish

FIRE HOSE CABINET

Technical Specification

Dimension	800 (W) x 1000 (H) x 250 (D) mm for Double Hose 800 (W) x 800 (H) x 250 (D) mm for Single Hose
Material	Mild Steel / Stainless Steel / GI
Thickness	1.0 mm
Installation	Surface type, Recessed type, Semi Recessed type
Capacity	2 or 1 No. 2½" Ø Synthetic Fire Hose
Paint Finish	Epoxy Red Powder Coated / Mirror or Brush Finish

SELF-STANDING HYDRANT CABINET

Technical Specification

Dimension	800 (W) x 1000 (H) x 250 (D) mm cabinet with stand 800 (W) x 800 (H) x 250 (D) mm cabinet with stand
Material	Mild Steel / Stainless Steel / G
Thickness	1.0 mm
Installation	Self-standing outdoor cabinet
Capacity	Fire Hose, Fire Hose Reel, Hydrants, Nozzle, Extinguishers
Paint Finish	Epoxy Red Powder Coated / Mirror or Brush Finish

- Thickness of cabinets can be changed upon clients request.

LPCB Single Cabinets

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES
6	LOUVERS	WIDTH 80 MM
7	WATER PIPE INLET	50 MM DIAMETER
8	WIRED GLASS	GLASS 6 MM THICK
9	RUBBER BEADING	RUBBER

Certificate No.: 863

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS BRUSH FINISH
2	DOOR	1.2 MM SS BRUSH FINISH
3	BACK BOX	1.2 MM SS BRUSH FINISH
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES
6	LOUVERS	WIDTH 80 MM
7	WATER PIPE INLET	50 MM DIAMETER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	
2	DOOR	
3	BACK BOX	
4	DOOR HANDLE	CHROME PLATED
5	HINGES	
6	LOUVERS	WIDTH 80 MM
7	WATER PIPE INLET	50 MM DIAMETER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS BRUSH FINISH
2	DOOR	1.2 MM SS BRUSH FINISH
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES
6	WIRED GLASS	GLASS 6 MM THICK
7	RUBBER BEADING	RUBBER

BSI Single Cabinets

BS EN 671-1: 2012
KM No. 573983

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS BRUSH FINISH
2	DOOR	1.2 MM SS BRUSH FINISH
3	BACK BOX	1.2 MM SS BRUSH FINISH
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES
6	WIRED GLASS	GLASS 6 MM THICK
7	RUBBER BEADING	RUBBER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS BRUSH FINISH
2	DOOR	1.2 MM SS BRUSH FINISH
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES
6	WIRED GLASS	GLASS 6 MM THICK
7	RUBBER BEADING	RUBBER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES
6	LOUVERS	WIDTH 80MM
7	WATER PIPE INLET	50MM DIAMETER

Standard Double Door Fire Cabinets

STANDARD TECHNICAL SPECIFICATION

Dimension	800 (W) x 1600 (H) x 300 (D) mm
Material	Stainless Steel / Mild Steel / GI
Thickness	1.0 mm
Installation	Surface type, Recessed type, Semi Recessed type
Capacity	Manual or Automatic swing, Fixed Hose Reel 3/4" or 1" & Landing Valve
Paint Finish	Epoxy Red Powder Coated, Mirror Finish, Brush Finish
Hinges	Push Pin, Piano Hinges Stainless Steel
Door Handle	Chrome plated or Stainless Steel

- *Thickness of cabinets can be changed upon clients request.*

LPCB Double Cabinets

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS MIRROR FINISH
2	DOOR	1.2 MM SS MIRROR FINISH
3	BACK BOX	1.2 MM SS MIRROR FINISH
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES
6	LOUVERS	WIDTH 80 MM
7	WATER PIPE INLET	50 MM DIAMETER
8	GLASS	WIRED GLASS
9	RUBBER BEADING	RUBBER

Certificate No.: 863

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2MM MS RED POWDER COATED
2	DOOR	1.2MM MS RED POWDER COATED
3	BACK BOX	1.2MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES
6	LOUVERS	WIDTH 80 MM
7	WATER PIPE INLET	50 MM DIAMETER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES
6	LOUVERS	WIDTH 80 MM
7	GLASS	WIRED GLASS
8	RUBBER BEADING	RUBBER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2MM SS MIRROR FINISH
2	DOOR	1.2MM SS MIRROR FINISH
3	BACK BOX	1.2MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES

BSI Double Cabinets

BS EN 671-1: 2012
KM No. 573983

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES
6	GLASS	WIRED GLASS
7	RUBBER BEADING	RUBBER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS MIRROR FINISH
2	DOOR	1.2 MM SS MIRROR FINISH
3	BACK BOX	1.2 MM SS MIRROR FINISH
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES
6	GLASS	WIRED GLASS
7	RUBBER BEADING	RUBBER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM MS RED POWDER COATED
2	DOOR	1.2 MM MS RED POWDER COATED
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PUSH PIN HINGES
6	LOUVERS	WIDTH 80 MM
7	WATER PIPE INLET	50 MM DIAMETER

SPECIFICATIONS		
ITEM NO.	DESCRIPTION	MATERIAL
1	ARCHITRAVE	1.2 MM SS MIRROR FINISH
2	DOOR	1.2 MM SS MIRROR FINISH
3	BACK BOX	1.2 MM MS RED POWDER COATED
4	DOOR HANDLE	CHROME PLATED
5	HINGES	PIANO HINGES

Fire Hose Cabinets

Self Standing Cabinet with Accessories

SPECIFICATIONS	
ITEM NO.	DESCRIPTION
1	ARCHITRAVE - 1.2 mm SS BRUSH FINISH
2	DOOR - 1.2 mm SS BRUSH FINISH
3	BACK BOX - 1.2 mm SS BRUSH FINISH
4	DOOR HANDLE - CHROME PLATED
5	PIANO HINGES
6	SIDE VENTILATION LOUVERS
7	STAND
8	FIRE HOSE CRADLE
9	FIRE HOSE - 65 mmØ X 30 METER UL LISTED (3 NOS)
10	65 mm Ø BRANCH PIPE / JET SPRAY NOZZLE
11	HYDRANT KEY
14	CROWBAR
15	FIRE AXE
16	POCKET FOR ACCESSORIES

Fire Hose Cabinet

(Class III Stand Pipe System)

SPECIFICATIONS	
ITEM NO.	DESCRIPTION
1	ARCHITRAVE - 1.2mm MS RED POWDER COATED
2	DOOR - 1.2mm MS RED POWDER COATED
3	BACK BOX - 1.2mm MS RED POWDER COATED
4	DOOR HANDLE - CHROME PLATED
5	PUSH PIN HINGES
6	SIDE VENTILATION LOUVERS
7	FIRE HOSE STAND
8	Ø25mm GATE VALAVE
9	Ø25mm X 30 METERS HOSE REEL
10	25mm PRV
11	Ø25mm NOZZLE
12	65mm LANDING VALVE
13	65mm FIRE HOSE X 30 METERS
14	65mm NOZZLE

Foam Cabinets

Self Standing Cabinet with Accessories

FIREX Foam cabinet Model/9000 is characterized for its high perfomance for attacking class A, B fires within seconds . Its desined for single mn operation. Highly efficient in gas stations , petro-chemicals plants, industrial premises, warehouse and 1n any areas, requires protection from A and B fires.

Cabinet Design

Cabinet and door leaves are made of electro-galvanized steel of thickness 1mm to 2mm, which depends upon the use and client's requirements.
Cabinets are with all around folded edges without any sharp and burrs. The roof is sloped type.
Cabinet painting is done by electrostatic powder coating process, oven baked to temperature between 160°C-200°c.
Stainless steel model also available upon request.

Cabinet Components

Superior quality, 100% synthetic jacket hose, the outer fabric is made of circular woven synthetic fiber and root proof yarn, while inner layer is a substance of tropical rubber applied by means of a special vulcanizing technique ensures long life, elasticity and flexibility . Hose size 1.5x30meter length, wrapped on swinging hose reel.

Hose reel is made of 1.2mm electro-galvanised steel sheet and pressed out. The outer edge of the reel is rolled over to give a safe handling edge on the outer rims. The reel is mounted on swinging arm.

2" Brass, control gate valve , 2" Foam proportioner. Foam branch pipe with shut off control valve made of stainless steel, handle made of hard rubber, can throw foam between 15-20 meter depends on line pressure . Also can be used as water jet pump.

2 nos. Canisters, each with 20 liter 3% AFFF Foam concen trate. Different types of foam concentrates are available upon request.

Model	Height	Width	Depth
FX/9000	1120mm Slopper Roof	700mm	300mm

Exova Fire Rated Steel Doors

CERTIFICATE OF APPROVAL
No. ME 5007

Fire Rated Steel Doors

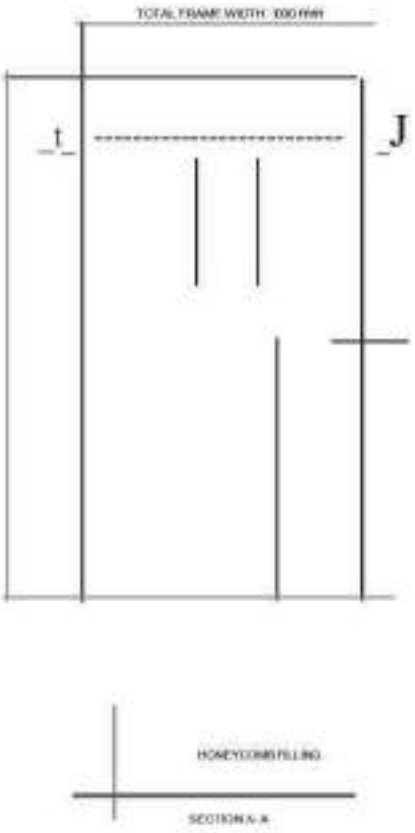
Steel Fire Doors are generally constructed as standard Firex Doors sets but have special internal reinforcement. The Fire doors range has been fully tested and approved by leading authorities throughout the United Arab Emirates.

Firex fire resisting door sets are available to suit numerous applications from single action single door sets, through to double action door sets to a maximum fire resistant period of 30 minutes to 180 minutes.

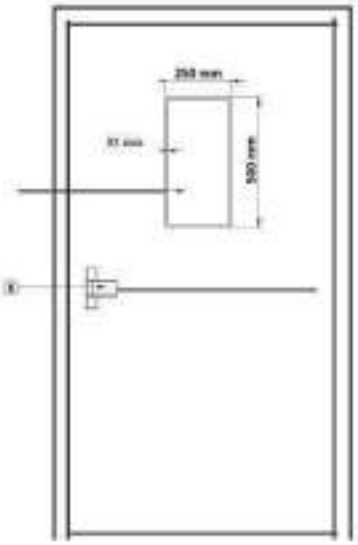
Firex offers the complete design, manufacture, supply and installation of high quality on architectural doors sets all over the Arab Regions for Fire Doors in exterior and interior doors such as: Hollow metal doors, Steel Doors to wooden doors and frames and coiling roll -up doors

These has the most extraordindary fire resistance making an ideal material for preventive fire protection. Conglom erating with state-of -the-art technology, Firex Fire Door systems provide an explicit features for extra safety. The tested and approved fire protection systems can be adapted to the most varied requirements, whether the priorty is on flexible sizes or its exquisite designs.

Firex provides the most comprehensive range of certifi cated fire resistant (rated) , steel , stainless steel doors and screens as well as wooden doors. manufacturing from a precise specifications on steel sections which are available to satisfy all United Arab Emirates fire regula tions towards stability and integrity.



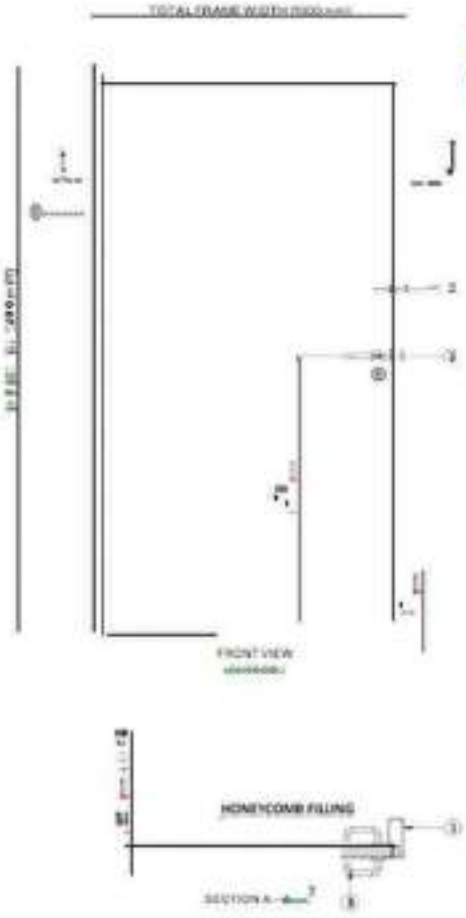
Standard Single Door with Push Bar

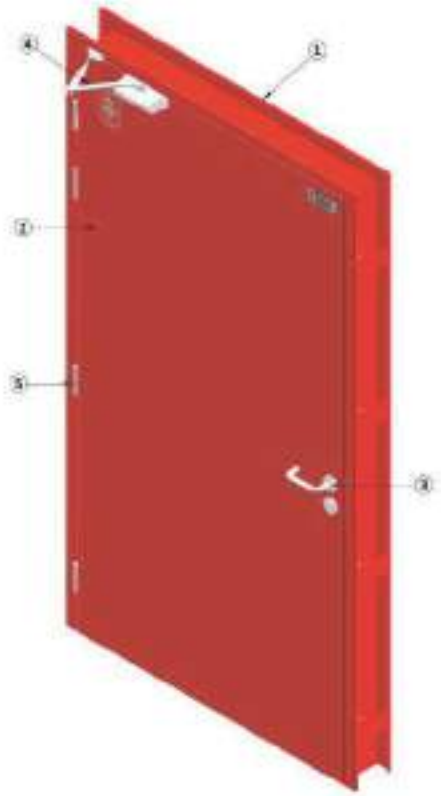


Specification

ITEM NO.	DESCRIPTION
1	DOOR FRAME
2	FIRE RATED DOOR
3	LEVER HANDLE
4	DOOR CLOSER
5	HINGES
6	PUSH BAR
7	VISION PANEL

Standard Single Door with Mortise Lock

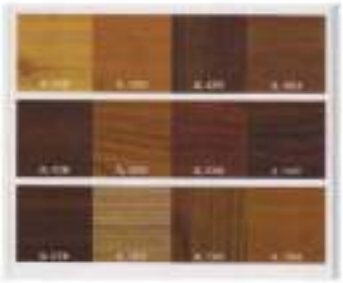




Specification

ITEM NO.	DESCRIPTION
1	DOOR FRAME
2	FIRE RATED DOOR
3	LEVER HANDLE
4	DOOR CLOSER
5	HINGES

Other Types Of Fire Rated Doors



Wooden Finish Fire Rated Doors

The frame of wood fire door is made of the quality wood treated by incombustible method. With filling the flame resistant material inside, the door keeps fire proof integrity. The form is varied and the material could be selected by customers. The materials of this wood fire door makes an excellent fire resistant substrate for wood veneered door frames . These frames have achieved neutral and positive pressure certification for 45-60, and up to 90 minutes rating. Veneered with the same species as the door faces, they make for beautiful openings when aesthetics are of primary concern.

Fully Glazed Fire Rated Doors

Available in a variety of profiles and ratings, our glazed fire doors comes with steel systems or timber systems that utilize the PYRAN® S fire rated glazing with our proprietary framing system. The product combines inspirational design flair with perfor mance rated protection to match demanding architectural specifications. The glazed fire rated door can be manufactured to suit different fire ratings and dimensions. With maximum glazed elements and sleek, minimal profiles in timber, stainless steel or GI steel powder coated colored finish, our fire door system also delivers on aesthetic appeal.

Fire Rated Access Doors

Fire-Rated Access Doors are engineered to contain fire from spreading through the access door and maintain the fire-rating of the surrounding wall/ceiling. Available with insulation options to guard against temperature rise in the event of a fire.

Sand Trap Louver Doors and Windows

The sand trap louver door is used as pre-filter for the protection of air conditioning plants, Electical Substation and generator rooms in areas exposed to extreme levels of industrial pollution . It has a degree of separation of sand and large dust particles, even in cases of high dust concentrations . The vertically arranged sections and holes for sand drainage ensure the sand trap louver is self cleaning and maintenance-free . The sand trap louver is designed to separate large particles at low air velocities, thus avoiding excessive dustloading on conventional plant filters. It is not intended as a substitute for conventional supply air filtration plant.

Standard Fire Hydrants

Wet Pillar Fire Hydrant

MATERIAL DESCRIPTION

1	Type	Wet Barrel Type 2- Way Fire Hydrant
2	Size	4"
3	Body Material	Cast Iron / Mild Steel Seamless pipe
4	Landing Valve Material	Copper Alloy
5	Landing Valve Size	2½"
6	Working Pressure	10 bar
7	Test Pressure	20 bar
8	Finish	Red Epoxy Painted
9	Inlet	4", ANSI B 16.5 - Flange
10	Outlet	2 Nos. 2½" Landing Valve Oblique Type with Female Instantaneous Connection

MODEL NO.	OUTLET	INLET
FXWPH100 (4")	2x2½" Male Thread	4" Table E BS 10 Flange
FXWPH150B (6")	2x2½" Control Valve with female BS Instantaneous Outlet	4" Table E BS 10 Flange

Dry Pillar Fire Hydrant

Dry barrel design eliminates damage to the hydrant caused by freezing or corrosion of the upper part. Breakway design to prevent accidents to the hydrants, where only the upper part of the flange will be broken upon impact. Externally sandblasted for smooth finish, painted red with electrostatic powder coating on the section above ground and double coated with black bituminous paint on the section below the ground. Barrel length extension kit in different length is available on request.

DESCRIPTION	SPECIFICATION	
Model	150FXAPHD-800	
Inlet	150mm Flanged	
Outlet	2x2½" Straight through Landing Valve with cap & chain 1x4" Pumper Nozzle with cap & chain	
Hydraulic Pressure details	Working Pressure	16 bar
	Seat Test Pressure	20 bar
	Body Test Pressure	32 bar
Standard	Exceeds AWWA C502 & NFPA Standard	
Approval	Directorate General of Civil Defence (DGCD)	
Paint Specifications	Externally sandblasted for Smooth finish, painted red with electrostatic powder coating on the section above ground and double coated with black bituminous paint on the section below the ground.	
Hydrant Barrel & duck foot bend	Ductile iron	

LPCB Fire Hydrants

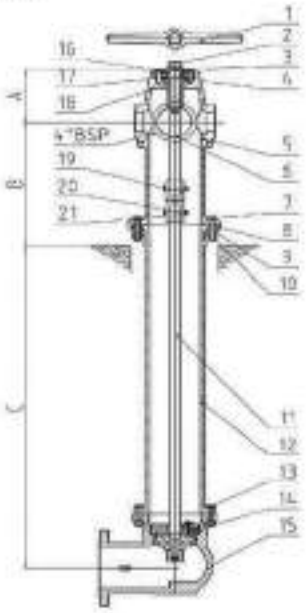
Dry Type Pillar Fire Hydrants

Dry barrel design eliminates damage to the hydrant caused by freezing or corrosion of the upper part.

- Break away design to prevent accidents to the hydrants, where only the upper part of the flange would be broken upon impact.
- Simple rugged construction and easy to maintain.
- Automatic drain system drains the water in the upper part when the main valve is closed thus avoiding damage caused by freezing.
- Externally sand blasted for smooth finish, painted red with electrostatic powder coating on the secti1 above the ground and double coating of black bituminous paint on the section below ground, all paint thickness2=300µm.
- Optional : Barrel length extension kit in different lengths is available on request.
- Hydrants for non potable water systems.

Certificate No.:1280Aa

NO.	ITEM
1	Operating Handle
2	Operating Nut
3	Cover
4	Cover Bolt
5	Upper Barrel
6	Upper Stem
7	Claw Bolts
8	O-Ring
9	Claw
10	Nut
11	Lower Stem Assembly
14	Lower Barrel
15	Bottom Bolts
16	Automatic Drain Assebly
17	90° Bend
18	O-Ring
19	Cover Sheet
20	O-Ring
21	Stem Coupling
22	Stem Coupling Bolt
23	Stem Coupling Nut



Model		FX16-0825-00	FX16-0835-00
Standard		BS EN 14384	
Working pressure		16 bar	
Inlet		DN100 with flange (4")	DN150 with flange (6")
Outlet		Two 2.5" BSP and one 4" BSP add coupling or valves	
Dimensions(mm)	A	207	195
	B	395	455
	C	1200	1200
Shell material		Ductile Iron	
MOT		≤125NM	≤125NM
MST		≥250NM	≥250NM
Kv Value		104.87(2.5" outlet)	184.29(4" outlet)
Closing direction		Clockwise	Clockwise
Opening turns		16	15
Time for Draining		≤10min	≤10min
Retained Water		≤150ml	≤200ml

UL/FM Listed Fire Hydrants

Fire Hydrant

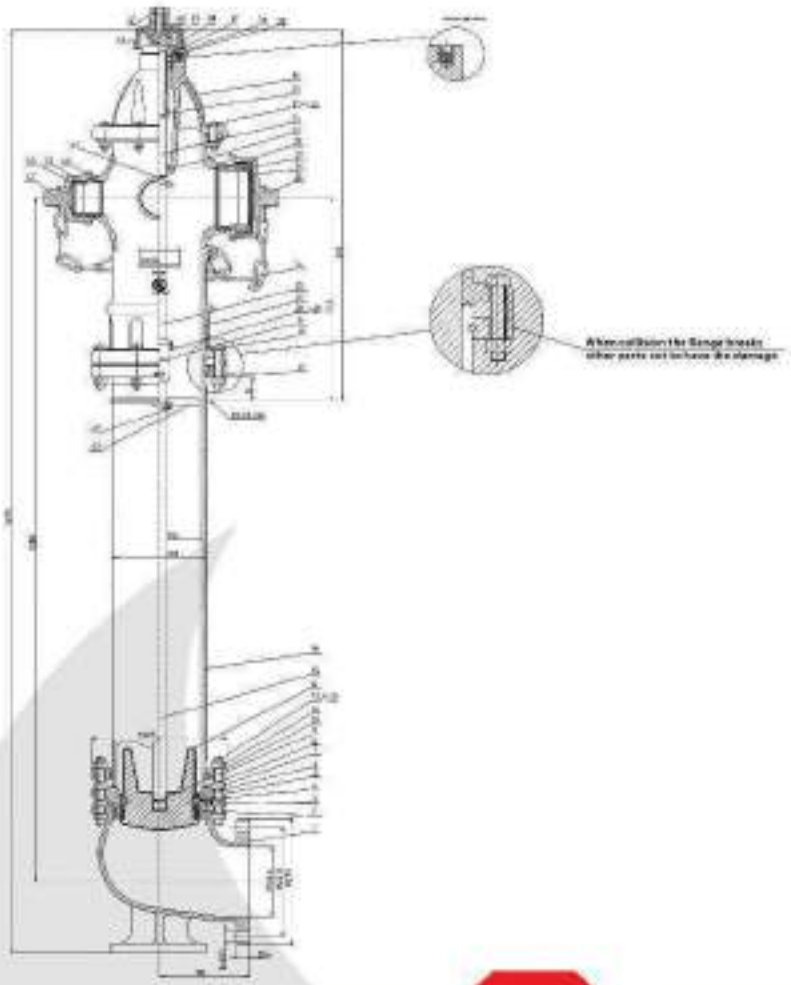
UL LISTED

FM APPROVED

NOTES:

- The diameter of a waterway through a connection and a valve shall be a nominal or a specified size ±0.01 inch (0.3mm).
- General Tolerance as JB2854-80 IT8
- The rate pressure is 250PSI
- The nominal size of connection is accord with NFPA 1963

  All the dimensions are given in mm
- Surface painting:
  Thickness : Greater than 250μm, Less than 500μm
  Color: RAL 3020
- Rubber : ASTM D2000 (EPDM) DuPont 4570



SPECIFICATIONS			
ITEM NO.	Name	ITEM NO.	Name
1	Hydrant Body	25	Big Sealed Basket
2	Seal - ring	27	Big Outlet
3	O-ring	28	O-ring
4	Screwed Plug	29	O-ring
5	Main Valve Flange	30	Stem
6	O-ring	31	Hex nuts
7	Valve Seat	32	Screw
8	Barrel Gasket	33	Stop nut
9	Pin Axes	34	Hydrant bonnet
10	Lower Flange	35	Oil cup
11	Leak Ring	36	O-ring
12	Hex nuts	37	O-ring
13	Stud bolts	38	Bush
14	Wedge	39	Dust proof ring
15	Lower Stem	40	Stem nut
16	Barrel	41	Socket head bolt
17	Breakable Flange	42	Operating cap
18	Bolts	43	Pin axes
19	Coupling	44	O-ring
20	Pin Axes	45	Small outlet
21	Pin	46	Small sealed gasket
22	Drain Pipe	47	Small nozzle cap
23	Up Stem	48	Bkt
24	Link	49	Yoke
25	Big Nozzle Cap		

Standard Fire Fighting Valves

4-WAY BREECHING INLET

LANDING VALVE FLANGED TYPE

BUTTERFLY VALVE

AIR RELEASE VALVE

PRESSURE REDUCING VALVE

2-WAY BREECHING INLET

LOCK SHIELD VALVE

FLOW SWITCH

OBLIQUE TYPE LANDING VALVE THREADED

LANDING VALVE WITH PRV

WET ALARM VALVE

LPCB Fire Fighting Valves

Breeching Inlet

2 WAY BREECHING INLET
MODEL: APDR2-100-BI
LPCB Ref. No.: 863d/01

4 WAY BREECHING INLET
MODEL: APDR2-100-BI
LPCB Ref. No.: 863d/01

Certificate No.: 863d

Specification

Body	:	Spheroidal Graphite Iron to BS 2789
Inlet	:	BS Instantaneous Male Copper Alloy to BS 1400
Outlet	:	2 way Breeching Outlet Flanged 4" 4 way Breeching Outlet Flanged 6"
Connectors	:	The inlet connectors for attaching the hose with male instantaneous connector complying with BS 336
Test Pressure	:	Hydrostatic pressure > 20 bar to BS 5041-3 clause 11
Blank cap and	:	Provided with female cap to BS 5041-3 clause 9
Chain	:	Incorporated 1" male thread valve to BS 5041-3 clause 8

Model No.	Description
APDR2-100-BI	2Way breeching Inlet
APDR4-150-BI	4Way breeching Inlet

Landing Valve

2'12" THREADED OBLIQUE
LANDING VALVE
MODEL: APDR-65-ST
LPCB Ref. No.: 863e/01

2'12" FLANGED OBLIQUE
LANDING VALVE
MODEL: APDR-65-FT
LPCB Ref. No.: 863e/02

Certificate No.: 863e

Specification

Body	:	Copper Alloy to BS 1400
Handwheel	:	Gray Cast Iron to BS 1452
Inlet	:	Flanged Inlet
	:	Screwed Inlet
Outlet	:	Female instantaneous pattern to BS 336
Body Test	:	Hydrostatic Pressure 22.5 bar to BS to 5041-1 clause 19.1
Seat Test	:	Hydraulic Pressure 16.5 Bar to BS 5041-1 clause 19.2
Stem	:	Rising stem inside screw type
Blank cap and Chain	:	Blank cap provided with pressure relief hole with flow area> 10mm2 complying to BS 336

Model No.	Description
APDR-65-ST	PN 16 Thread 2½", Landing Valve
APDR-65-FT	PN 16 Flange 65mm, Landing Valve

UL Listed Fire Fighting Valves

SAFEX

Deluge Valve

Safex deluge valves are designed to minimize the friction loss inside and inner parts such as clapper are made of cast bronze to offer and inner parts such as clapper are made of cast bronze to offer excellent corrosion and pressure resistance.

PPD 100(150)-UL

Specification

Model No	PPD 100	PPD 150
Size	100A	150A
Max. Flow	175 PSI	175 PSI
Test Pressure	350 PSI	350 PSI
Pressure Loss	0.02MPa	0.02MPa
Direction	Vertical	Vertical
Flange Size	ANSI 150lb FF Type	ANSI 150lb FF Type
Weight (Kg)	59	79
Packing (Ea)	1	1

Dimension

Model No. Size	A	B	C	D	E
PPD 100	242	260	367	270	150
PPD 150	259	285	372	290	150

c UL us LISTED

PROTECTOR SPRINKLER
An ISO 9001certified company

Deluge Valve

Model P

UL and CUL Listed Deluge Valve 2" & 2112" & 3" size designed for Horizontal Easy Trimming & Installation Small Size

Product Description

The Protector Model P Deluge valve is a quick opening hydraulically operated valve. The valve may be actuated manually (at the valve location or remotely), hydraulical ly through the use of a wet pilot sprinkler or electrically using electric type detector and I or electric control stations to actuate solenoid valve.

c UL us LISTED

Alarm Check Valve

PROTECTOR SPRINKLER
An ISO 9001certified company

Model P

UL and CUL model P check valves 4"/ 6" are designed for use in wet pipe systems and may be installed in the vertical or horizontal position with the appropriate trim package.

Product Description

The model P4" and 6" alarm check valves are installed between the water supply and the riser for sprinkler systems and open in the event of an activation of the sprinkler systems in a fire situation or during periodic testing of the system.

Standard Response and Quick Response Sprinklers

Standard response spray sprinklers are intended to use in the sprinkler systems designed in accordance with the standard installation rules recognized by the applicable Listing or Approval agency. They are available in pendent, upright and horizontal sidewall styles.

Quick response spray sprinklers are designed with a 3mm glass-bulb to react quicker at the specified temperature. They are available in pendent, upright and horizontal sidewall styles.

During fire conditions , the thermal sensitive liquid in the glass -bulb expands , causing the bulb to shatter, releasing the button and spring seal assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire . Standard and Quick responders are designed to use in awide range of applications including office buildings, libraries , hotels, restaurants , banks, band shells, theaters , factories and storehouses .

NX


Upright-68°
Standard Response, Chrome


Upright-79°
Standard Response, Chrome


Upright-68°
Quick Response, Chrome


Pendent-68°
Standard Response, Chrome


Horizontal Side Wall-68°
Quick Response, Chrome


Pendent-68°
Quick Response, Chrome


Side Wall-79°
Standard Response, Chrome


Pendent-79°
Standard Response, Chrome


Concealed-57°, White

Catalogue can be provided upon request

Standard Fire Pumps

General Description

Fire pumps are a range of high quality industrial pumps manufactured by qualified personnel in modern facilities . Fire pumps are designed in accordance with relevant fire protection codes.

Specialized in the design , manufacture and testing of all types of fire pump set. A wide range of pumps from electric motor driven and diesel engine driven units, including Centrifugal , End Suction, Horizontal Splitcase , Horizontal Multistage, Vertical Turbine pumps.

www.wfpumps.com

HORIZONTAL SPLIT CASE FIRE PUMP

Horizontal Split Case Fire Pumps offers higher efficiencies, low maintenance, more reliable operation constructed with double inlets that practically eliminate and thrust while boosting operation efficiency. The simplicity of design allows inline service without disturbing piping and ensures a long efficient unit life and minimum power consumption. It can be driven by either an electric motor or diesel engine with a full range of options and accessories available to complete the NFPA-compliant fire pump. Heavy fabricated steel bases, are available to mount the pump and driver along with flexible coupling connects driver to pump. Horizontal Split Case Fire Pump is ideal when the source of water is located above the ground as it provides a positive suction pressure to the pump at any performance point.

PUMP PERFORMANCE

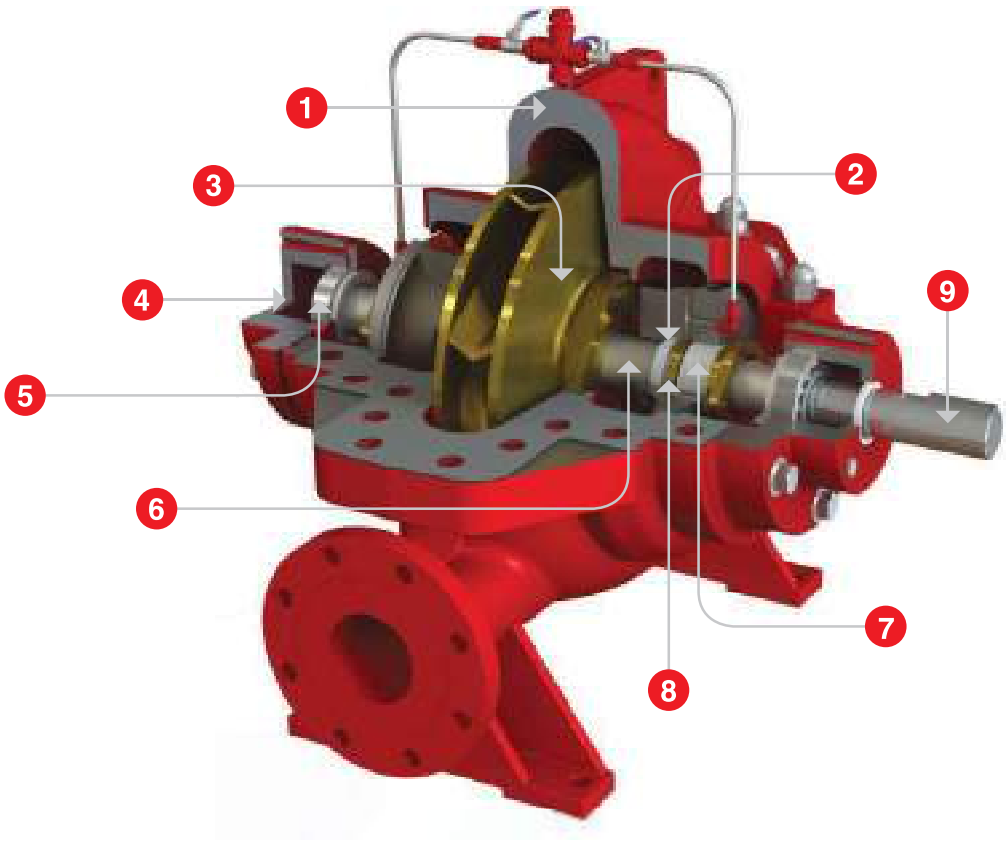
- Flow ranges from 300 GPM up to 3500 GPM
- Pressure ratings from 81 PSI up to 345 PSI

DESIGN FEATURES

- Underwriters Laboratories (UL) – 448
- Factory Mutual (FM) – 1311
- NFPA 20

CROSS SECTIONAL

1. **CASING:** The rugged heavy duty, two pieces casing is matched and split horizontally along the centerline of the shaft.
2. **STUFFING BOX:** Accommodate with square rings of packing with a lantern ring. Stuffing box is completely removable and replaceable with rotating assembly.
3. **IMPELLER:** Double suction, enclosed, dynamically and hydraulically balanced prior to the assembly Impellers are firmly keyed and locked to an accurately finished oversized shaft to absorb all shock loads.
4. **BEARING HOUSE:** both the inboard and outboard bearing are protected by lip seals to keep contaminants out of bearing. Completely replaced without disturbing any other part of the rotating assembly.
5. **BEARING:** single-row, cartridge mounting, maintains impeller in their central position, grease type lubrication standard.
6. **SHAFT SLEEVE:** Easily replaceable centrifugally cast sleeves protect the shaft from packing wear, and are sealed to prevent leakage. Sleeves are accurately positioned and locked in place.
7. **GLAND PACKING:** flexibility allows the shaft to run freely as well as leak proof.
8. **LANTERN RING:** A perforated hollow ring that receives relatively cool, clean liquid. Distribute uniformly around the shaft to provide lubrication and cooling.
9. **SHAFT:** High strength steel, grounded and polished to a smooth surface, design to transmit full driver horsepower with a liberal safety factor and minimum deflection.



www.wfpumps.com

END SUCTION FIRE PUMP

End Suction Fire Pumps are engineered to last with a precision-cast, dynamically balanced and enclosed impeller that minimizes the vibration and maximizes bearing life. Due to its back-pull-out design, the complete bearing assembly including impeller and casing cover can be dismantled without removing the volute casing from the pipe system. It can be driven by either an electric motor or diesel engine with a full range of options and accessories available to complete the NFPA-compliant fire pump. Heavy fabricated steel bases, are available to mount the pump and driver along with flexible coupling connects driver to pump. Horizontal End Suction Fire Pumps are ideal when the source of water is located above the ground as it provides a positive suction pressure to the pump at any performance point.

PUMP PERFORMANCE

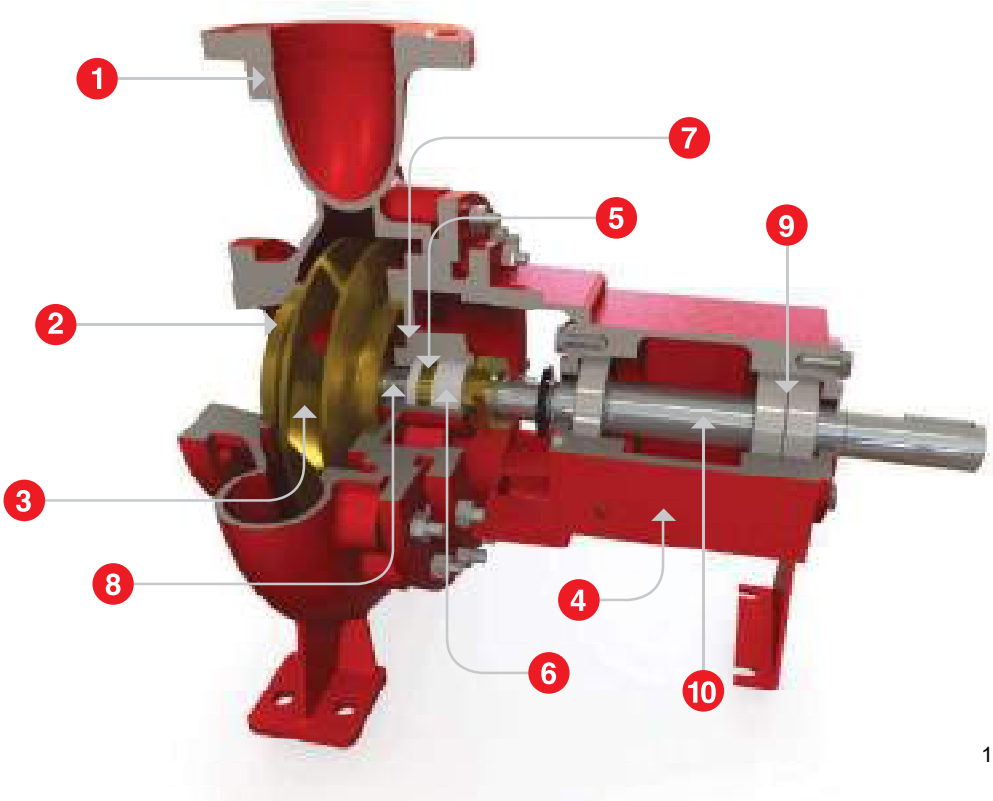
- Flow ranges from 50 GPM up to 1000 GPM
- Pressure ratings from 80 psi up to 309 psi

DESIGN FEATURES

- Underwriter Laboratories (UL) – 448
- Factory Mutual (FM) – 1319
- NFPA 20

CROSS SECTIONAL

1. **PUMP CASING:** Rugged heavy duty, volute type, centerline discharge and self-venting. Radial split design allows removal of bearing assembly and impeller without disturbing the pipe connection.
2. **CASING WEAR RING:** Standard enclosed impellers are designed with integral case wear rings to reduce end thrust.
3. **IMPELLER:** End suction type, enclosed, dynamically and hydraulically balanced prior to the assembly. Impellers are firmly keyed and locked to an accurately finished oversized shaft to absorb all shock loads.
4. **BEARING HOUSE:** both the inboard and outboard bearing are protected by lip seals to keep contaminants out of bearing.
5. **LANTERN RING:** A perforated hollow ring that receives relatively cool, clean liquid. Distribute uniformly around the shaft to provide lubrication and cooling.
6. **GLAND PACKING:** flexibility allows the shaft to run freely as well as leak proof.
7. **CASING COVER:** Accommodate with square rings of packing with a lantern ring. Stuffing box is completely removable and replaceable with rotating assembly.
8. **SHAFT SLEEVE:** Easy to replace centrifugally cast sleeves protect the shaft from packing wear and are sealed to prevent leakage. Sleeves are accurately positioned and licked in place.
9. **BEARING:** Cartridge mounting, maintains impeller in their central position, grease type lubrication standard.
10. **SHAFT:** High strength steel, grounded and polished to a smooth surface, design to transmit full driver horsepower with a liberal safety factor and minimum deflection.



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VERTICAL TURBINE FIRE PUMPS

Vertical Turbine Fire Pump is designed to be a system operating under a static suction lift condition requirement. The flexibility of its design allows the use of a wide range of materials. Multi-staging can be done to meet the specific requirements of the user and adaptable to the application. The space saving vertical design minimizes the floor space requirements. It can be driven by either an electric motor or diesel engine with a full range of options and accessories available to complete the NFPA-compliant fire pump.

PUMP PERFORMANCE

- Flow ranges from 150 GPM up to 2000 GPM
- Pressure ratings from 49 psi up to 402 psi

DESIGN FEATURES

- Underwriter Laboratories (UL) – 448
- Factory Mutual (FM) – 1312
- NFPA 20

CROSS SECTIONAL

1. **DISCHARGE HEAD:** Designed to change the direction of flow from vertical to horizontal and to couple the pump to the system piping in addition to supporting and aligning the driver. It also accommodates various type of driver configurations.
2. **STUFFING BOX:** Accommodates square rings of packing and bearing to maintain central position of the shafting.
3. **LINE SHAFT:** High strength steel, grounded and polished to a smooth surface. Threaded and provided with couplings to ease jointing.
4. **INTERCONNECTING PIPE:** Connects discharge head assembly to the column pipe.
5. **SPIDERS:** Provides support to the line shaft and links interconnecting pipe and column pipe.
6. **BEARING SPIDERS:** Operate in conjunction with line to provide long life and low friction.
7. **COLUMN PIPE:** Provided with flanged ends incorporating fits for ease of alignment during assembly to ensure concentricity.
8. **IMPELLER SHAFT:** High strength steel, grounded and polished to a smooth surface. Threaded and provided with couplings to ease jointing. Keyed impellers available for some sizes.
9. **BOWL BEARING:** Operate in conjunction with impeller shaft to provide long life and low friction.
10. **IMPELLER:** Dynamically balanced. Designed for long life and high efficiency.
11. **IMPELLER COLLET SLEEVE:** Secure impeller to the pump shaft. Keyed impellers available for some sizes.
12. **SUCTION BELL:** Provides rigid support of the lower end of the pump shaft and allows smooth entry of liquid into the first stage impeller eye, minimizes foundation opening.
13. **STRAINER:** Provides protection from large solids objects to prevents entry into the pump suction.

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FIRE PUMP HOUSE
(PRE-PACKAGED FIRE SYSTEMS)

WF Fire Pump House (Pre-packaged fire systems) designed according to the site or client's preferences without neglecting the standard requirements. Pre-wired, factory tested and assembled with components selected from the most reliable manufacturers across the globe in order to ensure that the best functionality of the equipment will be delivered. Consist of UL Listed or FM Approved Fire Pumps, Controllers, Valves, Pressure Gauges, Flowmeter, Fuel Tanks etc. and is ensure to undergo for quality checks and factory tests before the package assembly. Electrical connection, piping lines and installation of the component is complete in the factory. Complete system is pressure tested to eliminate on-site leaks.

Due to its single source responsibility and compact feature, the on-site installation of the system can be completed in as little as 6 hours which reduces the installation cost, labor hours, project timelines and eliminates potential field installation and interface problems.

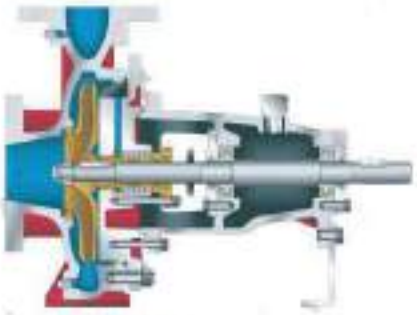
Enclosures are made from wall and roof panels that are fire resistant, weather proof and thermal insulation which makes its suitable to any climate and site condition. This type of enclosure panel is specifically chosen not only to ease the installation but because of the advantages it offers. It is made from rock, blast furnace slag and other raw materials which are melted and spun into fibers to resemble the texture of wool which made it non-combustible or fire resistant. It also helps to reduce the heat transfer due to its thermal insulation which prevents problems such as mold, humidity resulting from heat movements and condensation, which give assurance that product will be robust and long lasting. Skid covered in non-slip checkered mild steel plate with drain port provided to assure that the pump house will have its proper draining system especially during its operation.

J-Line Pumps - U.S.A.

J-Line Pumps, one of the most respected pumps in America, our pumps steeped in heritage since 1975. During the last 35 years, hundreds of thousand pumps have been designed and built allowing many of them to continue servicing customer for 35 years . J-Line pumps have been built to meet the ever changing requirements of society, including the fire fighting pumps with both categories UL listed FM approved and Non UL listed Non FM approved pumps and their accessories .

All of our pumps have three superior characteristics; Design, Performance & Durability. J-Line pumps have provided cost effective solutions by building pumps to last. Durability By Design is always the most cost effective solution.

J-Line Pumps - U.S.A.



Model FP-REF

Model FP-REI

Model FP-VT

Model FP-HH/FP-HJ/FP-HK

Model FP-HD

Portable Fire Pumps

WATEROUS

Waterous diesel and gasoline powered motor pumps combine the muscle of the Waterous vehicle-mounted pumps with the convenience of their own power source. Each model, whether skid mounted, trailer-mounted or portable, delivers the horsepower and performance when and where you need it.

Waterous vehicle-mounted pumps provide fire industry professionals with easy to operate fire suppression systems that offer the most efficient water delivery systems on the market. Because of quality craftmanship and exclusive design features, vehicle-mounted fire pumps have quickly become the primary firefighting tools of the fire service industry worldwide. Comes mostly with 5 year equipment warranty.

When it comes to compressed air foam systems , Water ous GAF Systems TM are the first foam. Whether you need water, aspirated foam or compressed air foam, Waterous offers fully integrated, user-friendly units that fit any fire suppression application. Backed by an exclusive 5-year equipment warranty.

soloarti cables

E 361320

DESCRIPTION

1. Solid or stranded, tinned or bare copper conductor
2. Fire-resistant PVC or LSNH insulation and jacket
3. Fiberglass tape or fire-resistant mica tape insulation
4. Test on electric cables under fire conditions complies with IEC60332-3-24:2000 , UL
5. Measurement of smoke density of cable burning under defined conditions on electric cables under fire conditions complies to IEC61034-2:2005
6. Test on electric cables under fire conditions complies to IEC60331-21:1999

ITEM NO.	DESCRIPTION	CONDUCTOR SPECIFICATION	INSULATION		JACKET		PACKING
			Nom. Thick. (mm)	Nom. Diam. (mm)	Nom. Thick. (mm)	Nom. Diam. (mm)	
TYFC208	BC/TC Solid or Stranded Shielded or Unshielded PVC or LSNH Insulation Jacket	2*0.5mm²	0.5	1.6	0.7	5.2	Box Coil Drum Pepper Reel Plastic Reel Wooden Reel
TYFC308		3*0.5mm²	0.5	1.6	0.7	5.5	
TYFC2100		2*0.8mm²	0.5	2.0	0.7	5.4	
TYFC3100		3*0.8mm²	0.5	2.0	0.7	5.9	
TYFC2113		2*1.0mm²	0.6	2.35	0.8	6.5	
TYFC3113		3*1.0mm²	0.6	2.35	0.8	6.9	
TYFC2138		2*1.5mm²	0.7	2.8	1.0	7.3	
TYFC3138		3*1.5mm²	0.7	2.8	1.0	8.2	
TYFC2178		2*2.5mm²	0.8	3.4	1.0	9.8	
TYFC3178		3*2.5mm²	0.8	3.4	1.0	865	

DESCRIPTION

1. Solid or stranded, tinned or bare copper conductor
2. Fire-resistant PVC insulation and jacket
3. Fiberglass tape, AL foil, Pet foil, or no
4. UL certification is to certify that representative sample of Power Limited fire alarm cable.
   USL: Power Limited Fire Alarm Cables Types FPLR, FPL (60 °C to 105°C)
   CNL: Fire Alarm and Signal Cable, Type FAS, FAS FT1, FAS FT4, FAS90, FAS105 Ft1, FAS105 FT4, FAS90 FT1, FAS90 FT4 or FAS105
5. Standard for safety: UL 1424, Power-Limited-Fire-Alarm Circuit Cables C22.2 NO. 208-03, Fire-Alarm and Signal Cable

ITEM NO.	DESCRIPTION	CONDUCTOR SPECIFICATION	INSULATION		JACKET		PACKING
			Nom. Thick. (mm)	Nom. Diam. (mm)	Nom. Thick. (mm)	Nom. Diam. (mm)	
TYFC208	BC/TC Solid or Stranded Shielded or Unshielded PVC Insulation Jacket	2*0.5mm²	0.45	1.7	0.65	4.9	Box Coil Drum Pepper Reel Plastic Reel Wooden Reel
TYFC308		3*0.5mm²	0.45	1.7	0.65	5.1	
TYFC2100		2*0.8mm²	0.5	2.0	0.7	5.4	
TYFC3100		3*0.8mm²	0.5	2.0	0.7	5.7	
TYFC2113		2*1.0mm²	0.55	2.25	0.75	6.2	
TYFC3113		3*1.0mm²	0.55	2.25	0.75	6.5	
TYFC2138		2*1.5mm²	0.6	2.6	0.8	7.0	
TYFC3138		3*1.5mm²	0.6	2.6	0.8	7.4	
TYFC2178		2*2.5mm²	0.6	3.0	0.8	7.8	
TYFC3178		3*2.5mm²	0.6	3.0	0.8	8.2	

LPCB / BSI Fire Blankets

Certificate No. 863b

BS EN 1869:1997
KM. NO. 573984

Model. FB4

Dimension. 1.2x1 .2 (m)
LPCB Ref. No. 863b/01

Application

Mainly equipped for the kitchen, to put out fire caused by over heated oil in cooking , also can be equipped in the cars and ships, warehouses and oil stations etc. Can effectively put out small fires and can be wrapped around bodies on fire , save people and help escape in time.

Specialities

Excellent fire proof, heat resistance and insulation proper ties, effectively elliminates air and absorbs heat to suppress fire immediately.

Sizes Available:

MODEL NO.	SIZE
FB4	1.2M X 1.2M
FB6	1.2M X 1.8M

Model. FB6

Dimension. 1.2x1.8 (m)
LPCB Ref. No. 863b/01