Fluidtec®

Committed To Better Solution



Product Manual

FLUIDTEC SAFETY TECHNOLOGY LTD.

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UFTC

UNITED FIRE TECHNOLOGY CORPORATION LTD (UFTC) has been one of leading advanced fire detection and suppression system providers in the field of fire safety equipment. With our extensive industry experience, UFTC team is dedicated to offer unique solution to provide better technology to protect life and property.

Through our globalization strategy, UFTC is capitalized to achieve acquisition in Asia. Headquartered in London, United Kingdom and set second headquarters in Shanghai China, we are rapidly expanding global business and managing office in Middle East, South East Asia to support our worldwide partners.

UFTC is the professional manufacturer for holistic fire protection solution, including D-TECTRON series UL listed intelligent fire alarm system, fire suppression system, FLUIDTEC brand remote controlled water cum foam firefighting monitors system, wildland fire suppression equipment. All innovations are targeted to fight traditional technical barrier and assist our global partners to keep improving service in fire protection industry.

Committed with highest quality and integrity, UFTC also creates perfect training program to our staff and customers. Partnering with UFTC would make it become realistic to lead innovation and differentiate your service.

Fluidtec

FLUIDTEC

FLUIDTEC is a UFTC brand for intelligent water cum foam firefighting monitor.

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HANDL



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LINE NOZZLES



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SELECTABLE FLOW NOZZLES
S SERIES

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130 LPM ~ 950 LPM Rated Flow

5 BAR 6 BAR 7 BAR Rated Pressure

120° 30° Injection Mode



At rated pressure, the flow up to **950 lpm**. Rated pressure is 6 bar, optional **7 bar** or **5 bar.**

High resistance to mechanical impact and thermal shock by use of the **lightweight aluminum alloy** pistol grip and handle.

Spinning teeth make the fog spray better.
Compatible with Quick-Attack foam tube model F3008 and F3016.

Aluminum Alloy Handle


Stainless Steel Spinning Teeth


1.5"or 2.5" Inlet


Aluminum Alloy Pistol Grip

S series nozzles are resistant to high temperature and mechanical impacted by the reinforced design.

The special waterway ensures excellent discharge performance with high stability. Even at 3.5 bars operating pressure, the nozzle can work stably and reliably.

This family of nozzles has multiple flow options, and the flow can be adjusted according to the scene of the fire.

Model	Rated flow @7bar	Maximum pressure	Fog angle	Size(mm)	Weight(kg)	Effective distance(m)
1102	(40/ 80/ 130)lpm-Flush	16 bar(PN16)	0 to 120°	285×118×245	1.6	16/23/28
1104	(60/ 130/ 235)lpm-Flush	16 bar(PN16)	0 to 120°	285×118×245	1.6	19/28/34
1108	(115/ 230/ 360/475) lpm-Flush	16 bar(PN16)	0 to 120°	304×118×245	2.6	26/30/35/37
1110	(230/ 360/ 475/ 550)lpm-Flush	16 bar(PN16)	0 to 120°	316×118×245	2.6	30/35/37/43
1113	(360/ 475/ 550/ 750)lpm-Flush	16 bar(PN16)	0 to 120°	316×118×245	3	32/36/40/43/48
1116	(360/475/550/750/950) lpm-Flush	16 bar(PN16)	0 to 120°	316×118×245	3	36/40/43/48/50

Quick-connect air-aspirated foam tube F3008/F3016

The quick-connect air-aspirated foam tube F3008/F3016has a unique connection method, which can be installed without tools.

It can be used with S series fire nozzles for quick installation and removal.

The F3008/F3016 foam tube adopts the air-aspirated method, and the expansion ratio up to 12 times.





Quick-connect air-aspirated foam tube		
Model	F3008	F3016
Material	Aluminum	
Length	426mm	450mm
Weight	1.35kg	1.70kg

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SELECTABLE FLOW NOZZLES
M SERIES





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The range of operating pressure from **3.5 bar to 7 bar.**

Flowing fog at the same time flowing the solid bore to provide effective protection.

High resistance to the mechanical impact and thermal shock by use of the **Lightweight aluminum alloy** pistol grip and handle.

Different inlet types are available.
Easy to operate and maintain.



Fog/stream Adjust


Solid holes

The M series nozzle is a multi-purpose nozzle with both solid bore and fog/stream capability. The solid bore flow has excellent coverage and penetration at rated pressure, at the same time the fog provides protection and rapid cooling. The nozzle can work stably and reliably even at 3.5 bar operating pressure, and can also achieve the maximum rated flow at the rated pressure of 7 bar (5 bar or 6 bar optional).

Model	Pressure (bar)	Solid hole size	Solid bore flow		Fog flow		Combination Flow		Throw(m)
			GPM	LPM	GPM	LPM	GPM	LPM	
1508	6	3/8"	40	150	65	240	105	390	21
	6	1/2"	65	240	65	240	125	480	25
	6	5/8"	80	300	65	240	140	540	27
1516	6	3/4"	125	480	125	480	250	960	32
	6	7/8"	155	600	125	480	285	1080	34
	6	15/16"	205	780	125	480	330	1260	37
	6	1"	250	960	125	480	380	1440	39

Note:The range in the table is the spraying distance when the solid hole is spraying water upward at an angle of 30 degrees.

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SELECTABLE FLOW NOZZLES
F SERIES





The F series nozzle is special nozzle for Compressed Air Foam System(CAFS).The all-metal material design can be used for a long time in harsh environments.The excellent waterway design of the F series nozzle guarantees excellent discharge performance and has outstanding stability.It is suitable for various mixture ratios, and can spray dry and wet foam without uncontrolled air escape,ensuring the effective spraying distance. Advanced surface treatment technology ensures long-term corrosion resistance.

Can operate effectively in the range of operating pressure from **3.5 bar to 7 bar.**

For **Compressed Air Foam Systems** (CAFS)application.

Suitable for various mixture ratios,can spray **dry or wet foam.**

Further distance and strong penetration for straight stream spray.

High resistance to the mechanical impact and thermal shock by use of the **Light-weight aluminum alloy** pistol grip and handle, not deformed, and more resistant to high temperatures than plastic grips and handles.

All metal material design, can be used in harsh environment for a long time. Different inlet types are available.

Model	Orifice Hole (mm)	Inlet	Material			Size(mm)	Weight (kg)
			Handle	Grip	Body		
1310	25	$2^{1}/_{2}$"(65mm)	Aluminum alloy			382×240×118	2.1
1320	35	$2^{1}/_{2}$"(65mm)	Aluminum alloy			382×240×118	2.3



Aluminum Handle



CAFS tips



Aluminum Pistol Grip

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LOW EXPANSION FOAM NOZZLE
T SERIES

480 LPM
960 LPM
Rated Flow

8 BAR
Rated Pressure

Injection Mode





Aluminum-alloy Nozzle Body

Lightweight metal pistol grip and ball valve handle are impact resistant, non-deformable, and more resistant to high temperatures than plastic handle.

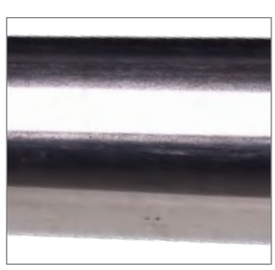
The nozzle body is made of hard anodized aluminum alloy and the barrel is made of stainless steel,which has good anti-corrosion and wear resistance.

Concentration ratio (%): 3%, 6%.
Expansion Ratio (N) at 20℃:5≤N≤20

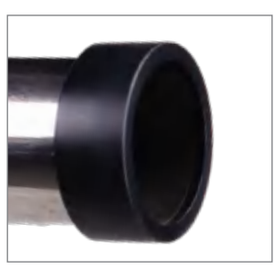
Could be used with foam fire extinguishing devices and foam fire trucks.

Model	Operated Pressure (bar)	Solution Flow (LPM)	Expansion Ratio (N)	Throw	Dimension L*W*H (mm)	Weight (kg)
1608	8	480	5≤N≤20	≥30(m)	665*240*125	2.9
1616	8	960	5≤N≤20	≥35(m)	710*240*125	3.4

The T series low expansion foam nozzle is a special nozzle for discharging the extinguishing foam uniformly over or onto a specific area.The all-metal material design can be used for a long time in harsh environments. The excellent flow channel design of the T series nozzle guarantees excellent discharge performance and has outstanding stability. It is suitable for various mixture ratios, and can ensures the effective spraying distance.



304 SS Foam Tube



Bumper Sleeve

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MEDIUM EXPANSION FOAM NOZZLE
T SERIES





The T series medium expansion foam nozzle is a kind of oil fire fighting equipment.

The all-metal material design can be used for a long time in harsh environments.

The foam nozzle is composed of nozzle, handle, barrel, quick connect, etc. Suitable for various mixing ratios, and can ensure effective spray distance. Advanced surface treatment technology ensures long-term corrosion resistance.

Lightweight metal pistol grip and ball valve handle.

Made of hard anodized aluminum alloy which not only has good anti-corrosion performance.

Light weight,1608M foam nozzle weighs only **4.2 KG**

Metal screen is made of AISI 304 stainless steel with good anti-corrosion performance.

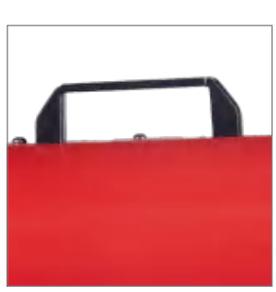
Model	Operated Pressure (bar)	Solution Flow (LPM)	Expansion Ratio (N)	Throw	Dimension L*W*H (mm)	Weight (kg)
1608M	8	480	N≥30	≥7(m)	600*280*225	4.2
1613M	8	750	N≥30	≥7(m)	600*330*225	5.2



Aluminum Handle



Aluminum Pistol Grip



Lifting handle



Bumper Sleeve

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FOAM PROPORTIONER
Z SERIES

200 LPM
400 LPM
Rated Flow

8 BAR
Rated Pressure

0~6%
Concentration Ratio



The Z Series foam proportioner inhales foam through the resulting negative pressure according to the Venturi principle.

The proportioner is equipped with a ball check valve to prevent water from flowing back into the foam tank. The ratio of water and foam is adjusted by the ratio control valve: 0~6%. It is equipped with a steady flow device to ensure accurate mixing ratio under different pressures .This series of products has a flow rate of 200LPM/400LPM, and can be equipped with various connections.

The mixing ratio is accurate under different pressures.

Pressure loss less than 35%.

Surface spray anti-corrosive treatment.

The low temperature pickup tube(2m) .

Various inlet couplings can be specified at time of order.

Model	Operated Pressure (bar)	Solution Flow (LPM)	Concentration Ratio (N)	Dimension L*W*H (mm)	Weight (kg)
2562	8	200	0 - 1% - 2% - 3% - 4% - 5% - 6%	360*200*170	2.6
2562C	8	200	0 - 0.4% - 1% - 3% - 6%	360*200*170	2.6
2564	8	400	0 - 1% - 2% - 3% - 4% - 5% - 6%	360*200*170	2.6
2564C	8	400	0 - 0.4% - 1% - 3% - 6%	360*200*170	2.6

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DISTRIBUTOR NOZZLE
2540





Fire water balloon generator is used in dangerous places where conventional fire fighting equipment can not carry out fire fighting operation.The fire water balloon generator has 9 nozzles with different angles (3 axial and 6 radial), and the Angle of each nozzle is 30 degrees. When the fire extinguishing agent is sprayed, the rotating ball rotates to produce a water balloon with a diameter of 10 meters. Fire extinguishing medium can be water or foam.

Made of stainless steel,and the rotating nozzle and rotating shaft are cast using stainless steel.

Operating pressure range: 3.5Bar~14Bar.

An extinguishing agent ball with a diameter of 10 meters can be created by the rotating nozzle.

Extinguishing agent is water or foam.

Model	Operated Pressure (bar)	Solution Flow (LPM)	Inlet	Dimension (mm)	Weight (kg)
2540	7	1060	2.5"BSP	φ221×197	3.3

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HOSE REEL ASSEMBLY
6025

150 LPM Rated Flow
DN25 Base Size
30 BAR Maximum Operating Pressure



This series of fire hose reel is a winding equipment which specially designed for the fire truck, with strong structure and anti-vibration properties.

This series of fire hose reel can be rewound with its own hand crank, and can also be automatically rewound by motor drive. Available with CAFS nozzle and medium pressure fog/stream nozzle.

It is mainly equipped on fire trucks for fire fighting, cleaning and rescue on specific occasions.

Specially designed for the fire truck, with strong structure and anti-vibration properties.

The hose adopts PU lined protection pipe and PVC hose, the maximum working pressure is 30 bar.

The reel has a brake device.

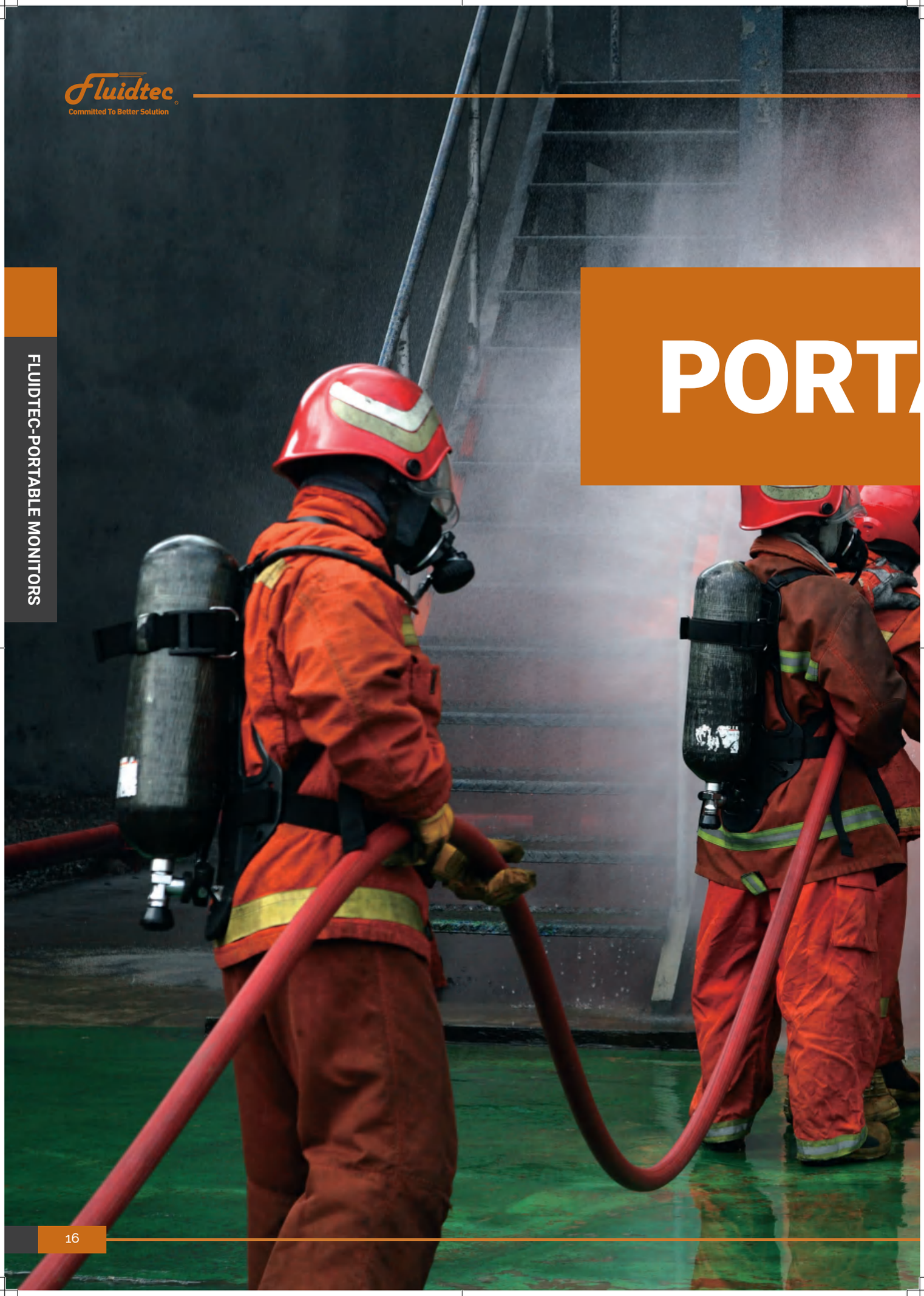
Powder coating surface treatment, the standard color is red(can be customized color according to requirements).

Mainly equipped on fire trucks and pickup trucks, used for fire fighting, cleaning and rescue on specific occasions.

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1.Hose reel Assembly 6025				
1.1 Hose reel Assembly				
Model		6025		
Max.pressure		30 bar		
Inlet		90°super swivel with 1”female NPT threads		
Outlet		1”male NST threads		
Control		Hand crank and brake		
		Brake Assembly		
Material		All carbon steel hardware		
Finish		Powder coated finish,standard colors are red (Custom colors available upon request)		
Others		Hose color (red or black)		
1.2 Hose				
Material(choosable)	Base Size	Maximum operating pressure	Length	Picture
PU lined with protection pipe	DN25	30 bar	30M	
PVC hose	DN25	30 bar	30M	
1.3 Nozzle				
Model	Inlet	Maximum operating pressure	Flow @20 bar LPM	Material
1402	1” NST threads	20 bar	20/50/100/150	Aluminum alloy
1.4 CAFS Nozzle				
Model	Inlet	Maximum operating pressure	Nozzle diameter (mm)	Material
1308	1” NST threads	16 bar	16	Aluminum alloy

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FLUIDTEC-PORTABLE MONITORS

PORTA

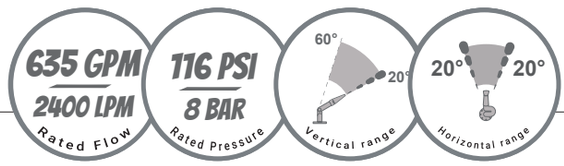
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TABLE MONITORS



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RAPID ATTACK MONITOR
3130



Compact structure design with lighter weight ,this make it easily deployed and operated by single firefighter.

Simple set-up,which can be operated without any supervision.
Efficient flows up to 2000LPM.

Vertical travel down 20° and up 60° for Nozzle and adjustable.





The pressure gauge at the inlet of nozzle

Elevation 30° to 60° unmanned,and from 30° down to 20° when manned.

The cut-off valve with operating handle can open and close the valve quickly.

Aluminum alloy nozzle with hard anodized surface treatment,light-weight.

Three supporting legs are foldable for easy storage which could extend to the largest footprint in its class for exceptional stability. Puling and folding using spring fastening.

Anti-skid tungsten nail on each foot to prevent sliding during operation and inside is incorporated with shock absorber mechanism that automatically self-adjusting on uneven surface which also stand as recoil buffer.

Model	Weight lbs.(kg) Less Nozzle	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3130	15 (7kg)↑	3" NH (75mm)	$2^{1}/_{2}$" NH (65mm)	635	2400	116 psi (8 bar)	145 psi (10 bar)	Aluminum Alloy	±20°	+20°~+60° (30°~+70° optional)	Manual



Front leg support



Locking lever pad



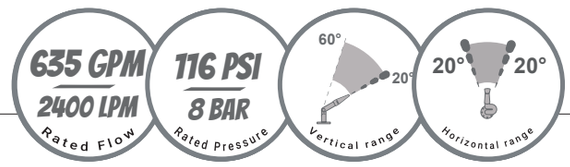
Shutoff valve handle



Carrying handle

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WATER OSCILLATING MONITOR
3141





Efficient flows up to 500GPM(1900LPM) and operated by single firefighter.

Quickly deployed at the scene of the fire and operated normally without supervision.

Anti-skid tungsten nail on each foot to prevent sliding during operation and inside is incorporated with shock absorber mechanism that automatically self-adjusting on uneven surface which also stand as recoil buffer.

The cut-off valve with operating handle can open and close the valve quickly.

Aluminum alloy nozzle with hard anodized surface treatment, light-weight.

Compact structure design with lighter weight, this make it easily deployed and operated by single firefighter.

Vertical travel down 20° and up 60° for the nozzle and adjustable.

Horizontal oscillating angle 0°~40°continuously adjustable.

Four supporting legs are foldable for easy storage. Open leg position for operation job. Puling and folding use spring fastening.

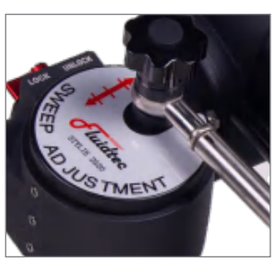
Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3141	33 (15kg)	3" NH (75mm)	2 1/2" NH (65mm)	635	2400	116 psi (8 bar)	145 psi (10 bar)	Aluminum Alloy	±20°	+20°~+60° (30°~+70° optional)	Manual



Oscillating linkage



Oscillating conversion knob



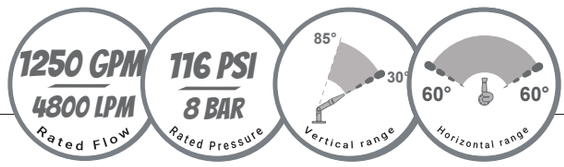
Locking handwheel



Lock Pin

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PORTABLE MANUAL MONITORS
3180



Optimized waterway design, the flow up to 4800LPM.

High resistance to corrosion by use of stainless steel 304 waterway and aluminum hard anodized nozzle.

Dual hand wheel operation with selflocking function by the worm gear and worm drive.

Horizontal travel from 0 to 120° which is easily adjustable.

A variety of nozzles with different flow rates are available for selection.

Aluminum alloy nozzle with hard anodized surface treatment ,light-weight.

The supporting legs are foldable for easy storage which could extend to the largest footprint in its class for exceptional stability. Puling and folding using spring fastening.

Anti-skid tungsten nail on each foot to prevent sliding during operation and inside is incorporated with shock absorber mechanism that automatically self-adjusting on uneven surface which also stand as recoil buffer.



Model 3180 Portable Monitor is operated with dual handwheels, worm gear and worm drive, and has self-locking function. Stainless steel waterway and anodized nozzles are suitable for use in harsh environments such as factory or crude oil terminal, as well as fire trucks.

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3180	90 (41kg)	$2^1/_2$" or 3" NH (65 or 75mm)*2	3" NH (75mm)	1250	4800	116 psi (8 bar)	145 psi (10 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~120°	+30°~+85°	Manual


Supporting legs

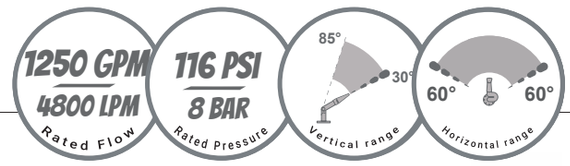

Detachable base


Handwheel


Carrying handle

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PORTABLE ELECTRIC MONITOR
3580/3580-C



3”waterway ,the flow up to 4800LPM.

High resistance to corrosion by use of stainless steel 304 waterway (stainless steel 316 optional)and aluminum hard anodized nozzle, resistant to sea or brackish water.

Automatic pressure nozzle maintains constant discharge pressure in the range of 1100~4800LPM which maintains effective water flow and maximum jet distance.

High-performance wireless control technology which increases the effective operation distance of firefighters up to 150m+.

Ergonomic design of the transmitter, waterproof, shockproof and dustproof (IP65).

One transmiter can control more than one fire monitor by monitor ID.

Horizontal travel from O to 120° which is easily adjustable.

Vertical travel from 30° to 85° above horizontal and adjustable.
Geared motors and control box are fully enclosed and sealed to withstand harsh environments.



Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3580	102 (46.6kg)	2 1/2" or 3" NH (65 or 75mm)*2	3" NH (75mm)	1250	4800	116 psi (8 bar)	150 psi (10 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~120°	+30°~+85°	Electric
3580-C	100 (45.6kg)	2 1/2" or 3" NH (65 or 75mm)*2	3" NH (75mm)	950	3600	116 psi (8 bar)	150 psi (10 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~120°	+30°~+85°	Electric



Battery with power level display



2321 Wireless remote controller



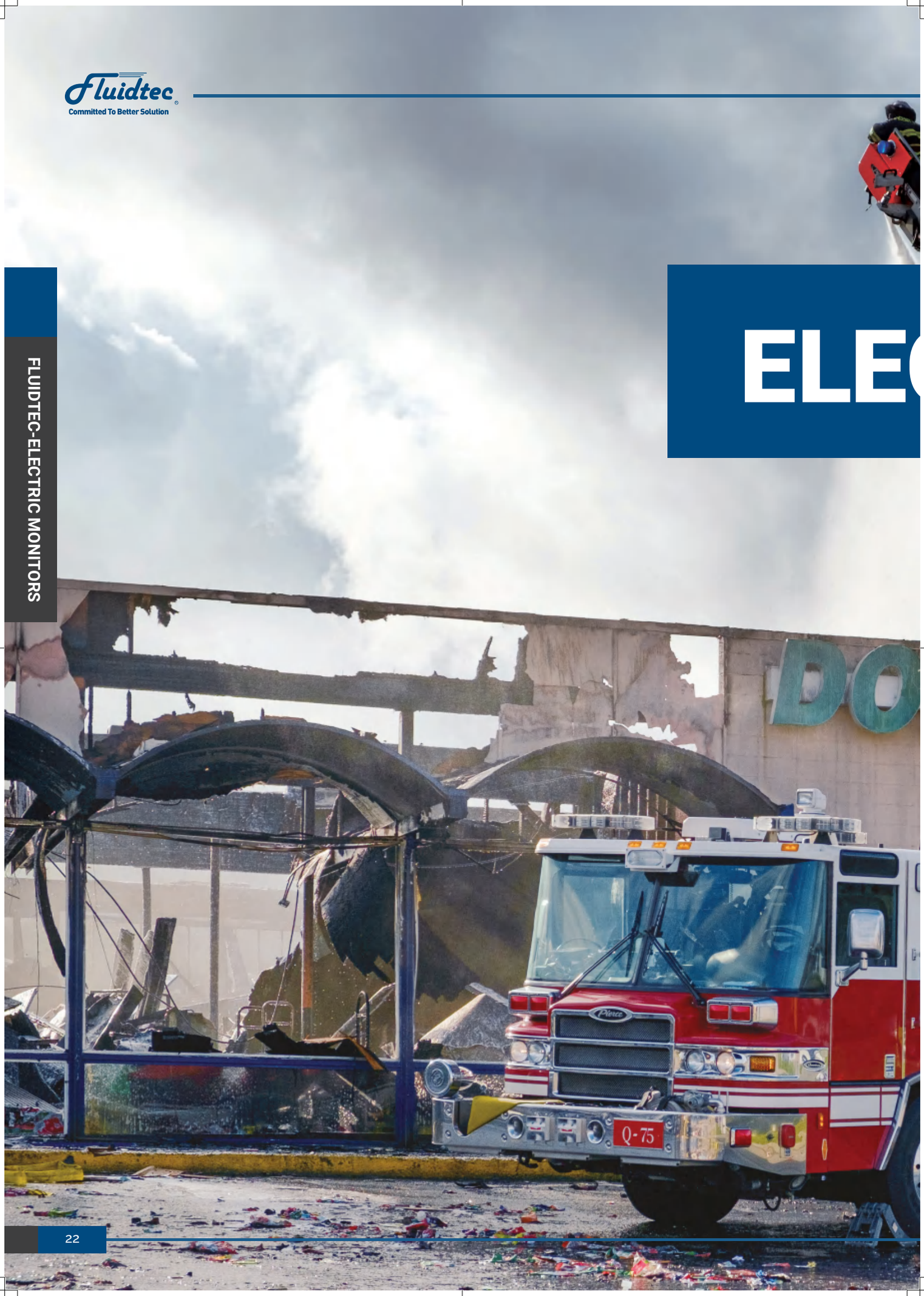
Detachable base



Carrying handle

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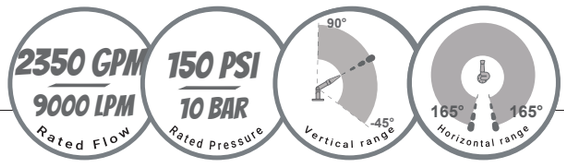
ECTRIC MONITORS

FLUIDTEC-ELECTRIC MONITORS



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ELECTRIC MONITORS
3686/3687





Flow up to 9000LPM.

Supports multiple control modes (wireless control, CAN bus, etc.)

Maximum remote control distance at 150m+.

Equipped with a special manual wrench.

Cast aluminium material, treated with heat treatment (HC) and powder coating, has very high corrosion resistance.

Horizontal travel from 0 to 330° which is easily adjustable.

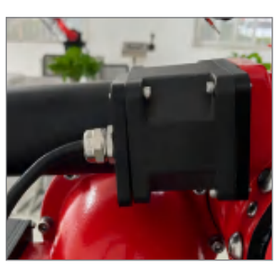
Vertical travel from 30° below to 85° above horizontal and adjustable.

Geared motors and control box can withstand harsh environments.

The Model 3686/3687 electric fire monitor is specifically developed for use as a fire truck roof monitor. It features a compact structure, an excellent flow passage design, applied to fire-fighting robots with a flow rate of up to 9,000 LPM. Firefighters can operate it from inside the cabin by the joystick, or remotely control it from a distance of up to 150 meters from the fire monitor using the wireless remote controller. The fire monitor is also equipped with a manual device, allowing manual operation in case of power unit failure.

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizon-tal	Vertical	
3686	111 (50.5kg)	4" Flange (125mm)	4"(100mm)	1900	7200	145 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: Aluminum Alloy	0°~330°	-30°~+85° (-45°~+90° optional)	Electric
3687	115 (52kg)	5" Flange (125mm)	4"(100mm)	2350	9000	145 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: Aluminum Alloy	0°~330°	-30°~+85° (-45°~+90° optional)	Electric


LED light

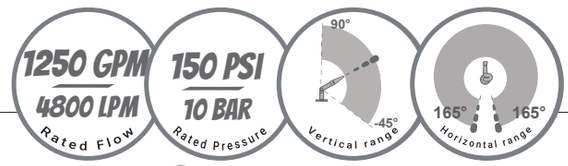

Fully sealed motor housing


Pressure gauge


Wireless controller(2321)

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ELECTRIC MONITORS
3612/3632/3680



Flow up to 4800LPM.

Supports multiple control modes (wireless control, CAN bus, etc.)



Maximum remote control distance at 150m+.

Equipped with dual hand wheel.

High resistance to corrosion by use of stainless steel 304 waterway and aluminum hard anodized nozzle.

Horizontal travel from 0 to 330° which is easily adjustable.

Vertical travel from 45° below to 85° above horizontal and adjustable.

Geared motors and control box can withstand harsh environments.

With protection circuit for vertical and horizontal control.

24V DC supply voltage(12V DC Optional).

Model 3612/3632/3680 Electric monitor supports multiple control mode, including CAN bus Joystick and remote control, etc. The fully sealed motor and enclosure design make the monitors fit well for use in harsh environment. Style 3612/3632/3680 is ideal for use in wildland, fire truck, factory, warehouse, or any fixed mounted application.



3632



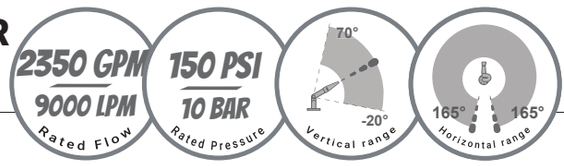
3680

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3612	46 (21kg)	2 1/2" or 3" Flange (65 or 75mm)	1 1/2" NH or 2" BSP (38 or 50mm)	500	1900	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330°	-35°~+85° (-45°~+90° optional)	Electric
3632	63 (28.5kg)	3" or 4" Flange (75 or 100mm)	2 1/2" NH (65mm)	845	3200	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330°	-35°~+85° (-45°~+90° optional)	Electric
3680	75 (34kg)	4" or 5" Flange (100 or 125mm)	3" NH (75mm)	1250	4800	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330°	-35°~+85° (-45°~+90° optional)	Electric

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FIXED ELECTRIC FOAM /WATER MONITOR

3231D/3271D/3282D/3283D/3285D



Compact design with light weight, flow up to 9000LPM.

Firm rotating joints ensure the smoothness of the movement.



Adjustable flow (full flow 100% /half flow 50%).

Unique waterway with longer throw distance.

Stainless steel waterway and hard anodized aluminum nozzle could.

High resistance to corrosion including sea water or brackish water.

Supports multiple control methods with a remote control distance of over 150 meters.

Dual wheel for manual operation.

Dry-powder transfer rate is 10kg/s.

Change the spray pattern through the deflector.

Suitable for water and/or air foam and foam solution.

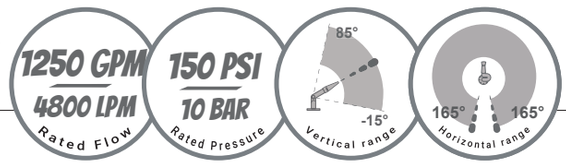
The 32-D series fire monitors were specifically developed for use as a fire truck roof monitor, and can be used as a water or foam fire monitor with a flow rate of up to 9,000 LPM.Firefighters can operate it from inside the cabin by the joystick or remotely control it from a distance of up to 150 meters from the fire monitor using the wireless remote controller. The fire monitor is also equipped with a manual device, allowing operation by the hand-wheels in case of power unit failure. It features dual flow rates of 100% and 50%, which can be adjusted by the joystick or the wireless remote controller.

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3231D	110 (50kg)	3" or 4" Flange (75 or 100mm)	2 1/2" (65mm)	950	3600	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330° (0°~180°optional)	-20°~+70° (-10°~+80° optional)	Electric
3271D	143 (65kg)	3" or 4" Flange (75 or 100mm)	3" (75mm)	1250	4800	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	"0°~330° (0°~180°optional)	-20°~+70° (-10°~+80° optional)	Electric
3282D	154 (70kg)	4" or 5" Flange (100 or 125mm)	3 1/2" (90mm)	1585	6000	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330° (0°~180°optional)	-20°~+70° (-10°~+80° optional)	Electric
3283D	165 (75kg)	4" or 5" Flange (100 or 125mm)	3 1/2" (90mm)	1900	7200	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330° (0°~180°optional)	-20°~+70° (-10°~+80° optional)	Electric
3285D	165 (75kg)	5" Flange (125mm)	4"(100mm)	2350	9000	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330° (0°~180°optional)	-20°~+70° (-10°~+80° optional)	Electric

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FIXED ELECTRIC FOAM /WATER MONITOR

3262/3266





The stainless steel waterway and hard anodized aluminum nozzle provide high resistance to corrosion.

It maintains excellent spray performance within the pressure range of 5 to 10 bar.

Equipped with dual hand wheels for easy manual operation.

Low friction loss.

The expansion ratio of the Model 3266 monitor can reach up to 11 times.

The expansion ratio of the Model 3262 monitor can reach 6 to 10 times.

The Model 3266 monitor has a unique patented self-educting device structure design, which enables a longer throw distance.

The Model 3262 monitor has a flow rate of up to 4800 LPM.

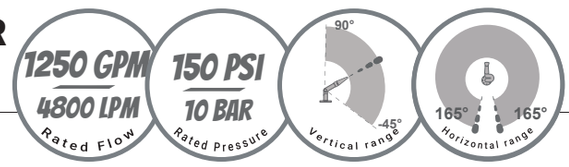
It supports multiple control modes with a maximum remote control distance of over 150 meters.

Style 3262/3266 electric foam monitor has high resistance to corrosion by use of stainless steel 304 waterway (stainless steel 316 optional)and aluminum hard anodized nozzle,resistant to sea or brackish water.Its unique patents allows to reduce 80%friction loss than traditional foam monitors in the market. This ensures the supreme performance of spaying distance.The optimized design of foam tube poses maximum expansion rate to 11 times.It is ideal for fire sup-pression to Class A Class B or any mixed type fire in harsh environment.

Model	Weight lbs.(kg)	Inlet	Max.Flow		Pressure		Material	Travel		Control
			GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3262	73 (33kg)	3" or 4" Flange (75 or 100mm)	1250	4800	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330°	-15°~+85° (-45°~+90° optional)	Electric
3266	68 (31kg)	3" or 4" Flange (75 or 100mm)	635	2400	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330°	-15°~+85° (-45°~+90° optional)	Electric

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ELECTRIC EXPLOSION-PROOF MONITOR
5108E





Flow up to 1250GPM(4800LPM).

Explosion-proof RF wireless control, CAN bus-based remote control, and field control, with a remote control distance of over 150 meters.

High resistance to corrosion by use of stainless steel 304 waterway and aluminum hard anodized nozzle.

Dual hand-wheel for manual operation.

Horizonal travel angle 0 ~ 330°, Vertical travel angle -45°~ +85°

Explosion-proof grade: Ex db eb mb IIC T4 Gb; Ex tb IIIC T130°C Db.

24VDC operating voltage, can be installed in the explosion-proof fire mobile platform

Model	Weight lbs. (kg)	Inlet	Outlet	Max.Flow		Explosion proof grade	Pressure		Material	Travel		Control
				GPM	LPM		Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
5108E	121 (55kg)	3" ,4" or 5"Flange (75,100 or 125mm)	3" NH (75mm)	1250	4800	Ex db eb mb IIC T4 Gb; Ex tb IIIC T130℃Db	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~330°	-35°~+85° (-45°~+90° optional)	Electric

Model 5108E electric explosion-proof monitor supports a variety of control methods such as CAN bus joystick and explosion-proof industrial RF wirless control. Explosion-proof grade:Ex db eb mb IIC T4 Gb; Ex tb IIIC T130°C Db.The optimized waterway design provides excellent jet performance and a maximum flow rate of 1250GPM(4800LPM). Suitable for all kinds of harsh and dangerous environment, such as explosion-proof fire mobile vehicles, chemical sites, petroleum and petrochemical sites, factories, docks, warehouses and other fixed sites.The nozzle can be equipped with a foam tube to spray foam.


Hand wheel

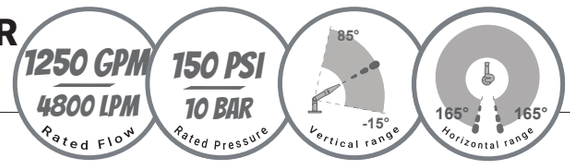

Explosion-proof motor


Nozzle explosion-proof motor


Selectable flow

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MOBILE EXPLOSION-PROOF MONITOR
3560E/3580E





High resistance to corrosion by use of stainless steel 304 waterway and aluminum hard anodized nozzle.

Self-drainage function, and the residual water can be eliminated within 2 minutes.

Horizonal travel angle 0°~90°and vertical travel angle +30°~ +85°

Explosion-proof Grade: Ex db eb mb IIC T4 Gb; Ex tb IIIC T130ºC Db.

24VDC operating voltage.

Flow up to 1250GPM(4800LPM).

Explosion-proof RF wirless control with remote control distance of more than 150m.

Dual wheel for manual operation.

The expansion ratio of the Model 3262 monitor can reach 6 to 10 times.

Model 3560E/3580E mobile fire monitor supports explosion-proof RF wireless control, with a remote control distance of over 150 meters, allowing firefighters to stay away from the hazard source to ensure personal safety. Explosion-proof grade: Ex db eb mb IIC T4 Gb; Ex tb IIIC T130℃ Db. The optimized waterway design provides excellent jet performance with a maximum flow rate of up to 1250 GPM (4800 LPM). Suitable for various harsh and dangerous environments, such as explosion-proof fire mobile vehicles, chemical sites, petroleum and petro-chemical sites, factories, docks, warehouses, and other fixed locations. The nozzle can be equipped with a foam tube for foam discharge.

Model	Weight lbs.(kg)	Inlet	Max.Flow		Pressure		Material	Travel		Control
			GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3560E	73 (33kg)	DN 80*2	1250	3600	116 psi (8 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~90°	+30°~+85°	Electric
3580E	68 (31kg)	DN 80*2	635	4800	116 psi (8 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~90°	+30°~+85°	Electric

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MANU



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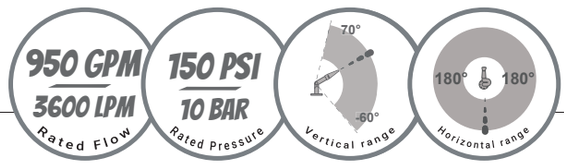


UAL MONITORS



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FIXED MANUAL MONITOR
3030



Compact, high performing, cost-effective.

Easy to use and quickly responded with tiller bar.

Flow rates up to 950 GPM(3600 LPM).



Unique locking mechanism allows operators to quickly lock the monitor after locating the target.

304 stainless steel (316 stainless steel optional)waterway.

360° horizontal and 130° vertical travel.

Style 3030 Manual monitor provides a simple tiller bar control with compact design for maximum control and rapid positioning with an range of horizontal angle 360 degrees and vertical angle 130 degrees. It is specially designed for fixed use on fire truck, docks, and various harsh environment.

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3030	37 (17kg)	3" or 4" Flange (75 or 100mm)	$2^{1}/_{2}$" Male (65mm)	950	3600	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~360°	-60°~+70°	Manual



Pressure gauge



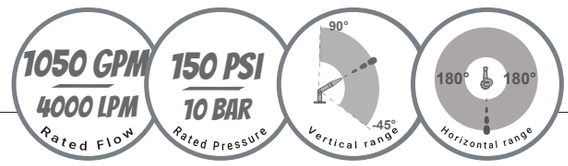
Positioning device



Operating tiller bar with anti-slip sleeve

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Fixed Manual Monitor
3036





Easy to use and quickly responded with tiller bar.

Compact, high performing, cost-effective.

Flow rates up to 1050 GPM (4000 LPM).

Model 3036 Manual monitor provides a dual tiller bar control with compact design for maximum control and rapid positioning with an range of horizontal angle 360 degrees and vertical angle 135 degrees. It is specially designed for fixed
use on fire truck, docks, and various harsh environment.

Locking the monitor quickly with positioning after locating the target.

Cast aluminium material, treated with heat treatment (HC) and powder coating, possess extremely high corrosion resistance.

Can used in various applications such as fixed installation or fire truck roof mounted.

360° horizontal and 135° vertical travel.



Positioning locking pin

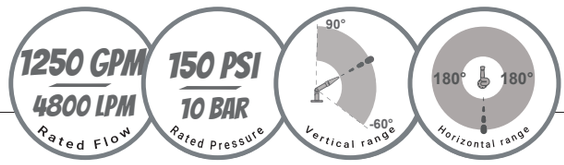


Dual tiller bar

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3036	41 (19kg)	4" Flange (100mm)	$2^{1}/_{2}$" NH (65mm)	1050	4000	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: Aluminum Alloy	0°~360°	-45°~+90°	Manual

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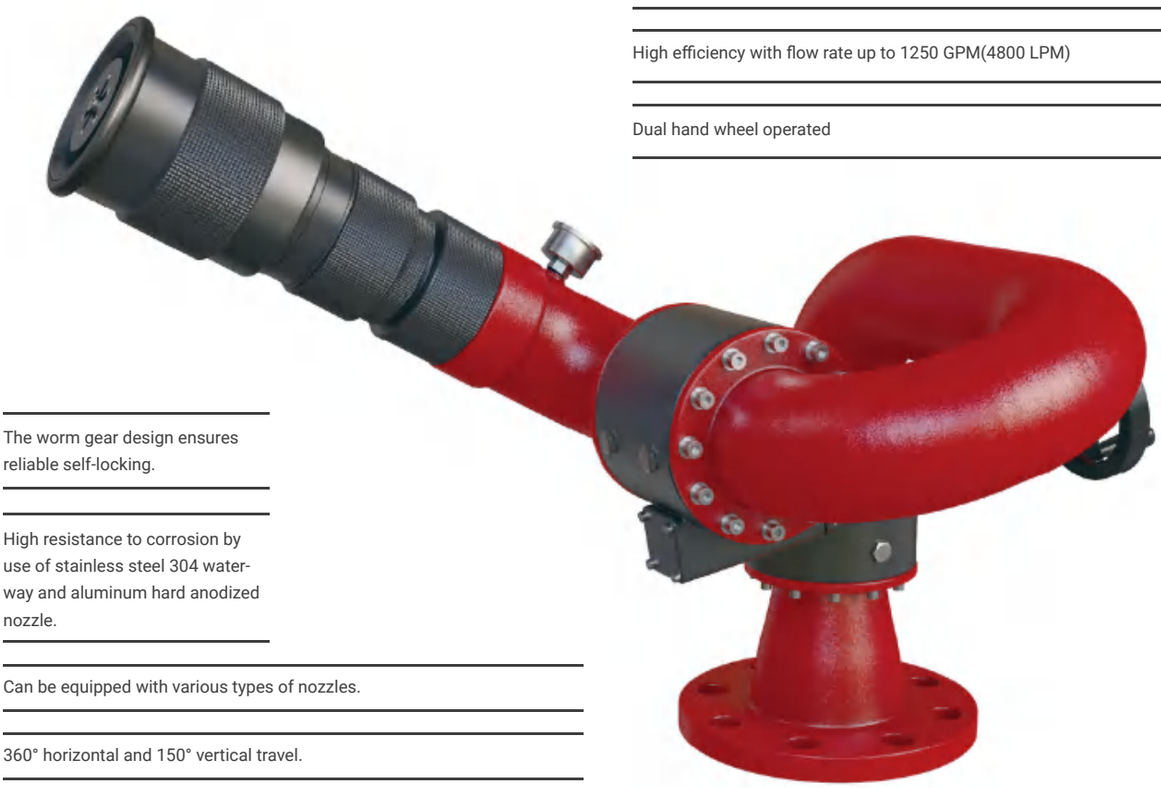
DUAL WHEEL OPERATED MONITOR
3031/3080



Compact, high performing, cost-effective.

High efficiency with flow rate up to 1250 GPM(4800 LPM)

Dual hand wheel operated



The worm gear design ensures reliable self-locking.

High resistance to corrosion by use of stainless steel 304 water-way and aluminum hard anodized nozzle.

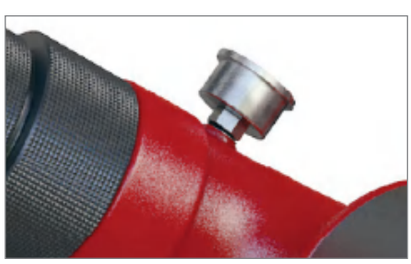
Can be equipped with various types of nozzles.

360° horizontal and 150° vertical travel.

The 3031 and 3080 fire monitors feature dual handwheels and are driven by worm gears, with a maximum flow rate of up to 4800 LPM, making them a better choice for manual fire monitors. Their robust, corrosion-resistant construction and optimized design produce low recoil during operation. These monitors are ideal for use in harsh environments, including refineries, chemical plants, offshore installations, and wharf facilities, and can be either fixed mounted or mounted on top of fire trucks, among other options.

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3031	42 (19kg)	3" or 4" Flange (75 or 100mm)	$2^{1}/_{2}$" NH (65mm)	950	3600	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~360°	-60°~+90°	Manual
3080	55 (25kg)	3" or 4" Flange (75 or 100mm)	3" NH (75mm)	1250	4800	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~360°	-60°~+90°	Manual

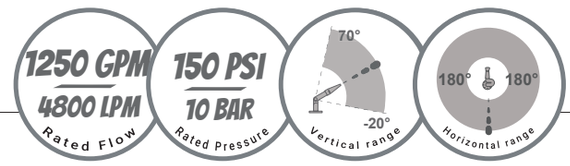

Flow selection

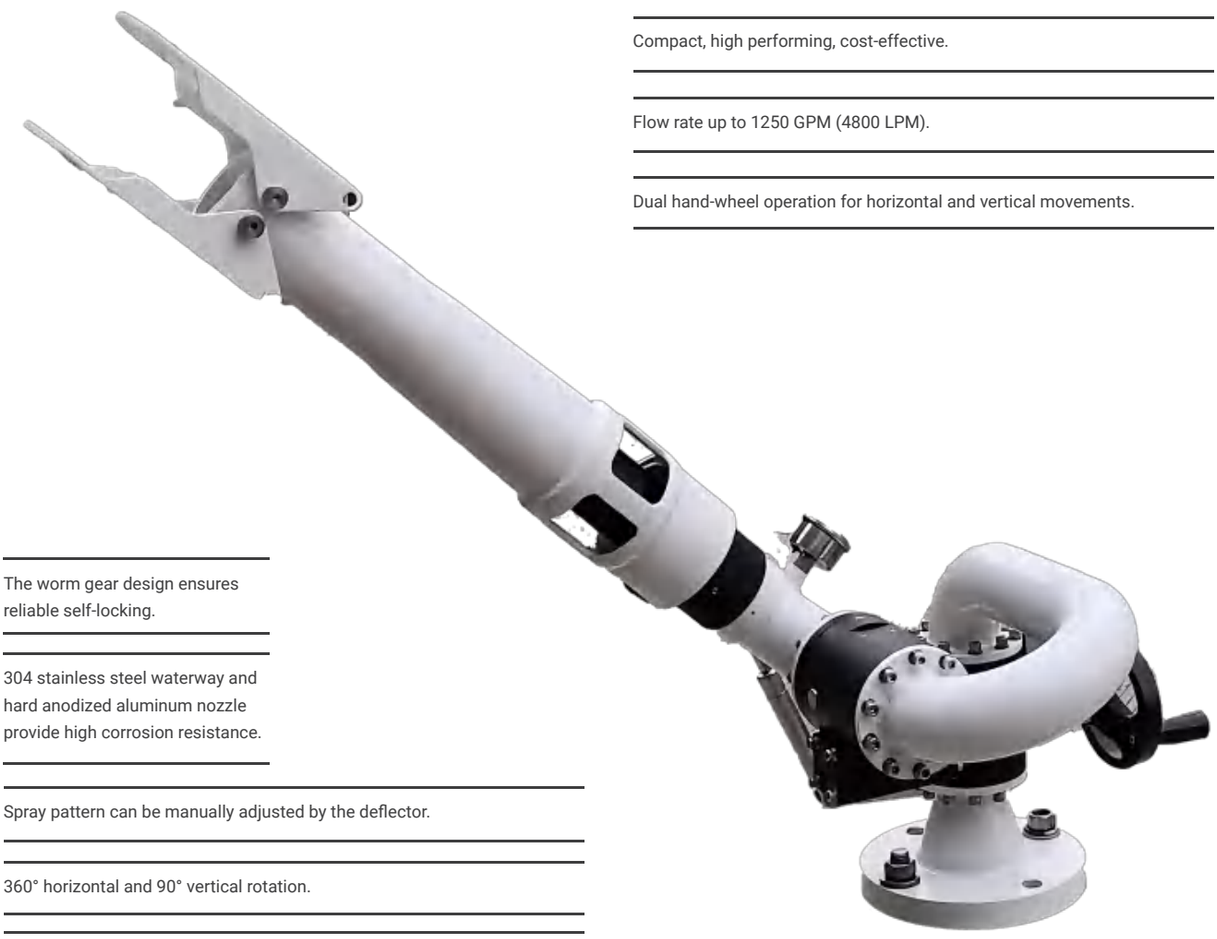

Pressure gauge


Handwheel

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MANUAL FOAM MONITOR
3231M/3281M





Compact, high performing, cost-effective.

Flow rate up to 1250 GPM (4800 LPM).

Dual hand-wheel operation for horizontal and vertical movements.

The worm gear design ensures reliable self-locking.

304 stainless steel waterway and hard anodized aluminum nozzle provide high corrosion resistance.

Spray pattern can be manually adjusted by the deflector.

360° horizontal and 90° vertical rotation.

Capable of discharging water and foam.

Model	Weight lbs.(kg)	Inlet	Outlet	Max.Flow		Pressure		Material	Travel		Control
				GPM	LPM	Working (Pr)	Maximum (Pn)		Horizontal	Vertical	
3231M	46 (21kg)	3" Flange (75 mm)	$2^{1}/_{2}$" NH (65mm)	630	2400	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~360°	-20°~+70°	Manual
3281M	60 (27kg)	3" or 4" Flange (75 or 100mm)	3" NH (75mm)	1250	4800	150 psi (10 bar)	232 psi (16 bar)	Nozzle: Aluminum Alloy Waterway: SS304	0°~360°	-20°~+70°	Manual

The 3231M and 3281M manual foam monitors feature dual handwheels and are driven by worm gears, with a maximum flow rate of up to 4800 LPM. These fire monitors are equipped with an air-aspirating foam monitor nozzle, and the spray pattern can be adjusted manually by adjusting the deflector. The fire monitors can discharge either water or foam. The fire monitors are ideal for use in harsh environments, including refineries, chemical plants, offshore installations, and wharf facilities, and can be either fixed mounted or mounted on top of fire trucks, among other options.

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CONTROLLER



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& ACCESSORIES



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Wireless controller(2321)

The wireless remote controller 2321 is specifically designed for fire monitor control and meets the requirements of various firefighting vehicles. This controller can control the horizontal and vertical movements of the fire monitor, as well as the movements of fog and straight stream. By setting the monitor ID, one controller can control up to 99 fire monitors.

Model	2321
Operating frequency	433.050-434.600MHz
Transmitter battery	3x1.5VA
Remote control distance	150m
IP protection	IP65



Joystick(2341/2342)

The multi-axis joystick 2341 and 2342 is specifically designed for fire monitor control and meets the requirements of various firefighting vehicles. The joystick makes it very convenient to control the monitor's movements. The joystick has anti-mistake action and proportional speed control functions, with the movement speed proportional to the angle of the lever.

Model	2341	2342
Travel angle	±20°	±20°
Power supply	9~32V DC	9~32V DC
Output signal	CAN BUS	CAN BUS
IP protection	IP65	IP65



Indicator(2351/2352)

The 2351 and 2352 position indicators use LCD technology to display the horizontal and vertical positions of the fire monitor in real time, as well as the operating status of the fire monitor.

Model	2351	2352
Display	4.3" 16:9 TFT LCD 480×272	7" 16:9 TFT LCD 800x480
Power supply	9~32V DC	9~32V DC
Rated power	<5W	<10W
Operating temperature	-10°~+60°	-10°~+60°
IP protection (Front panel)	IP65	IP65



Indicator(2353)

The 2353 position indicator uses LED technology, with a working temperature range of -40° to +85°, to display the horizontal and vertical positions of the fire monitor in real time, as well as the operating status of the fire monitor.

Model	2353
Display	LED
Power Supply	9~32V DC
Rated Power	<10W
IP protection (Front panel)	IP65



Control panel(2371)

The 2371 control panel provides a simple and direct way to control the fire monitor, including its horizontal and vertical movements, as well as the adjustment of the spray pattern. The 2371 control panel is based on CAN BUS control with a maximum communication distance of over 200 meters.

Model	2371
Output Signal	CAN BUS
Power Supply	9~32V DC
Rated Power	<10W
IP protection (Front panel)	IP65

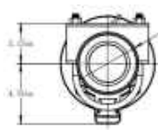
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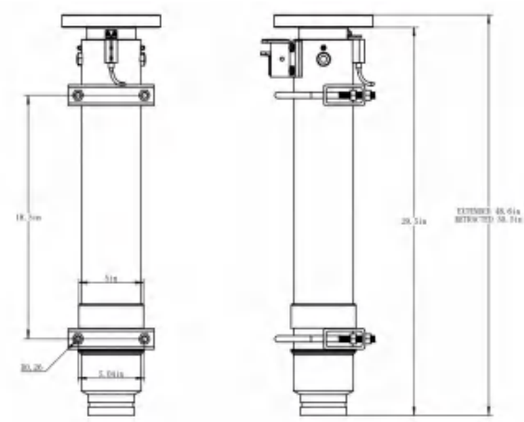
EXTENDER
2511/2516

1250 GPM / 4800 LPM Maximum Flow
200 PSI / 14 BAR Maximum Pressure
18" / 458 MM Travel Distance



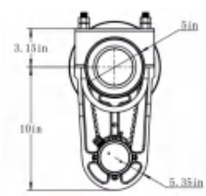
Model: 2511

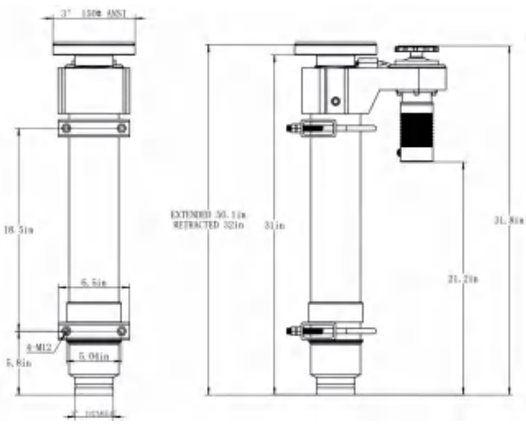






Model: 2516





Lifting stroke of 18" (458mm)

3" flow channel with a maximum flow rate of 4800 LPM

Hard anodized aluminum alloy, featuring excellent corrosion resistance.

Model 2511 is equipped with a reliable locking mechanism.

Model 2516 is provided with an independent panel control, and indicator lights are available throughout the entire operation process to display the working status

Model 2516 is designed with a fully sealed motor housing.

Model 2516 supports wireless remote control.

Model		2511	2516
Max Flow		4800 l/min	
Waterway Size		3"	
Max.Pressure		14 Bar	
Inlet	Size	3"	
	Type	VICTAULIC Male	
Outlet		3" 150# ANSI(3" NPT or 3" BSPT Optional)	
Control		manual	Electric
Voltage		N/A	12 VDC or 24 VDC
Material		Aluminium alloy	
Travel		18"(458mm)	

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KNAPSACK FOAM

FLUIDTEC-KNAPSACK FOAM EQUIPMENT



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KNAPSACK MOTORIZED BLOWER FOAM FIRE EXTINGUISHING EQUIPMENT
9102/9122



Suitable for Class A,Class B or mixed Class A/B fires.

Compact structure,moderate equipment weight,a single firefighters can complete the operation of equipment.

Water supply working pressure @3.5-12 bar

Equipped with maximum 8L Foam Concentrates. which could produce extin-guishing agent volume up to 16,000 litres

Dry Foam Expansion Ratio(10-20 times),Medium Foam Expansion Ratio(5-10 times),Wet Foam Expansion Ratio(1-5 times)

Maximum spraying distance at 22 meters.



The Style 9102 and 9122 are lightweight,flexible and efficient wind-jet/foam extinguishers.The foam expansion can be manually adjusted by the fire fighter for different types of fires.They can be used for Class A,Class B or mixed Class A/B fires,such as forest and grassland fires,brush fires,as well as for fire clean-up and foam containment of fires,old building fires,factory warehouse fires,and mixed fires in oil depots or garages.Due to the high foam expansion and strong foam adhesion,it is more effective in reducing water loss,and its superiority is more obvious in places where water supply is insufficient.Compared with the foam equipment,it is more stable and longer lasting,with strong covering ability,and its fire extinguishing speed is four times that of water.

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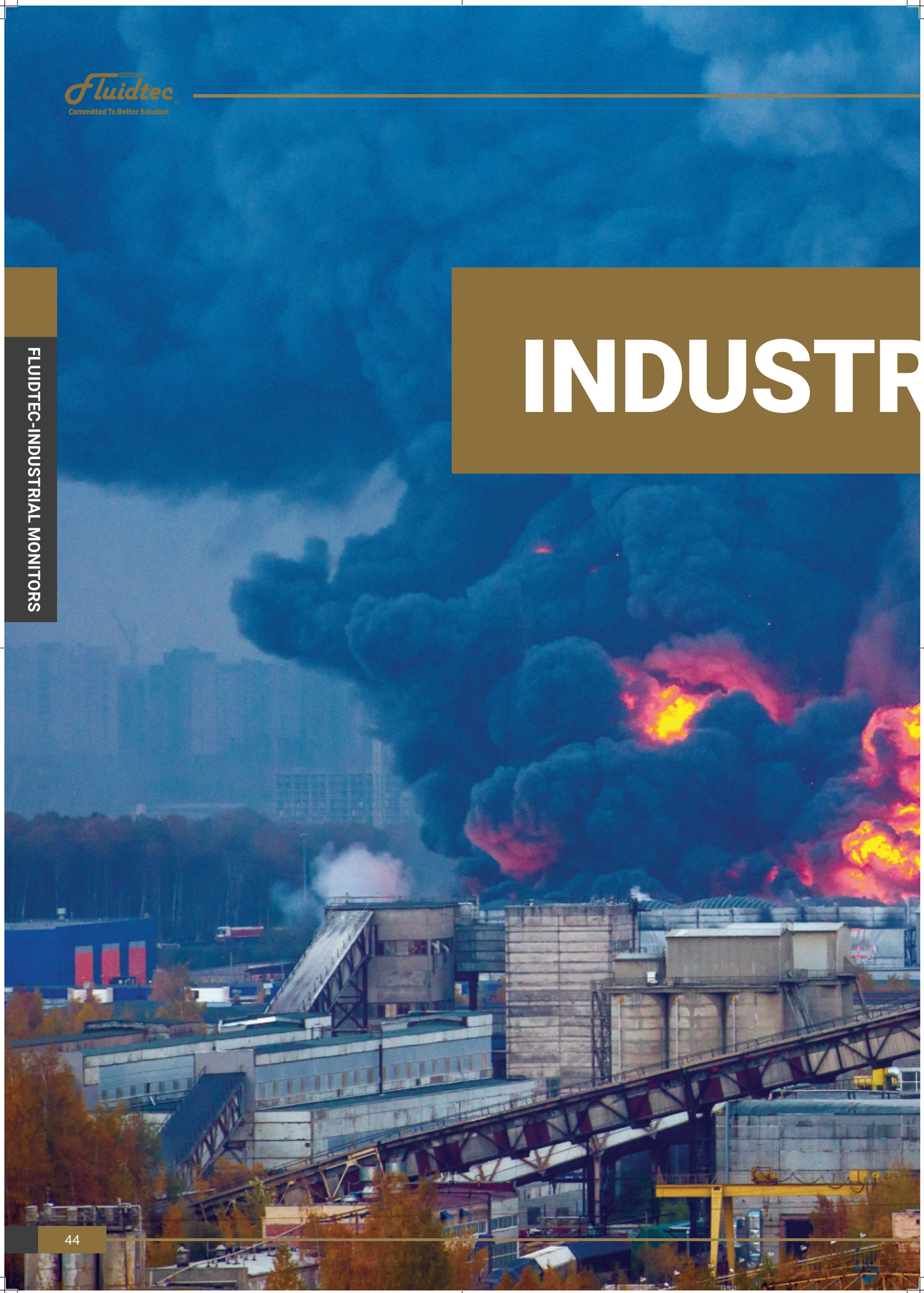
Model 9102

Model	9102
Maximum flow rate	120 lpm(32 gpm)
Working pressure range	4 ~ 12 bar
Rated working pressure	10bar
Engine	Two-stroke gasoline engine
Air Pipe Outlet Wind Speed	0.3~0.5 m³/s
Gasoline engine power	6HP(4.5KW)
Fuel tank volume	2.0L(92#)
Continuous Working Time with full Fuel	50min
Foam Proportioning	Venturi
Foam Tank Volume	8L(1% Class A Foam liquid)
Foam Proportioning Regulating Valve	0.3% ~ 0.7% ~ 1.6%
Inlet Type/Size	1.5 inch quick coupling
Outlet	Nozzle
Spraying Distance (Water/Foam)	>23m/21m
Package Size	850X680X500 mm
Net weight (excluding gasoline and foam liquid)	≤19Kg
Gross weight (including gasoline and foam fluid)	≤29.5Kg
Foam Shapes VS Ratio	
Wet Foam	1~5 time
Medium Foam	5~10 time
Dry Foam	10~20 time
Operating Time(with 8L of 1% Foam Liquid)	
Wet Foam	22min
Medium Foam	9min
Dry Foam	5min
Foam Consumption Rate	
Wet Foam	0.006 L/S
Medium Foam	0.014 L/S
Dry Foam	0.026 L/S

Model 9122

Maximum flow rate	120 lpm(32gpm)
Operating pressure range	3.5-12 bar
Rated operating pressure	10 bar
Engine	4-stroke gasoline engine
Engine Power	4.3 HP (3.2 KW)/7000 RPM
Displacement	75.6 cc
Fuel tank volume	Minimum 2.0 L
Air Pipe Outlet Wind Speed	0.3 m³/s
Foam Expansion Ratio	1-15 times adjustable
Spraying Distance (Water/Foam)	Minimum 22 m/20 m
Inlet Type/Size	1.5 inch quick coupling
Outlet	Nozzle
Net Weight	14.5 kg
Gross Weight	16.5 kg

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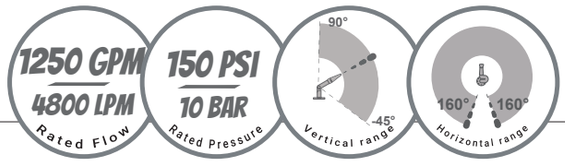
RIAL MONITORS

FLUIDTEC-INDUSTRIAL MONITORS



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FIXED EXPLOSION-PROOF MONITOR
3831/3880





Construction: Stainless steel waterway.

Electric Actuators: 380VAC or 400VAC/3ph/50Hz, ATEX certified, II 2 G Ex db IIC T4 Gb.

Nozzle Actuators: 380VAC or 400VAC/3ph/50Hz, PCEC certified, Ex d IIC T4 Gb.

The motor winding is equipped with temperature control switch to monitor the temperature of the motor.

The terminal position has a limit switch in the open and close directions, and a torque switch in the open and close directions at the same time.

Enclosure design for industrial environment use, IP67 rated.

Will not cause damage when motor is stalled.

Long life and exceptional reliability. Fast start, stop and reverse.

Junction Box: Corrosion resistant ATEX certified, II 2 G Ex e IIC T6 Gb; enclosure with terminals for hazardous locations.

Model		3831	3880
Rated Flow		2000 LPM	4800 LPM
Inlet	Size	3"	4"
	Type	Flange	
Outlet		2.5" NH	3" NH
Control		Electric	
		Remote controller based on field bus	
		Remote controller based on wireless controller	
		Manual override by dual hand-wheel	
Material	Waterway	Stainless steel 304L(Stainless steel 316L optional)	
	Nozzle	Stainless steel 304L(Stainless steel 316L optional)	
Finish		Plastic-spray surface treatment	
Travel		V -45° to +90°	
		H 165° in both directions(330°)	
Max. Fog Angle		≥120°	
Color		Red	
Explo-sion-proof Grade	Junction Box	ATEX certified: II 2 G Ex e IIC T4 Gb	
	Electric Actuators	ATEX certified, II 2 G Ex db IIC T4 Gb	
	Nozzle Actuator	PCEC certified, Ex d IIC T4 Gb;	
Power Requirement		380VAC or 400 VAC 50Hz	

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LOCAL CONTROL BOX
MODEL 2912



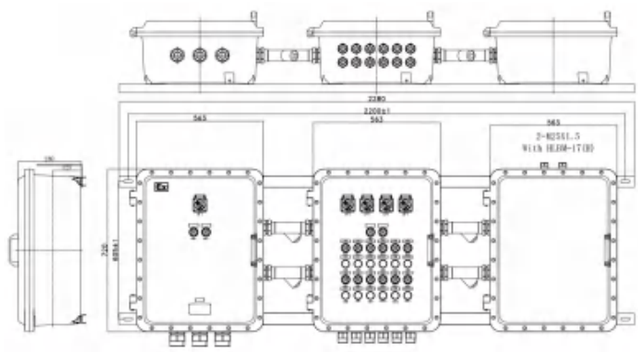


Fig. 1 Local Control Box 2912

The main function of the Local Control Box 2912 is to drive and control the movement of the fire monitor and the electric valve. It also has an auxiliary power supply, which can be used as an external signal power for the electric valve's feedback signals.The control signal sent by the fire control room controls the movement of the fire monitor to the designated position, the fire monitor sprays water or foam to extinguish the fire, and open or close the water/foam valve. Power supply is 380 VAC 50/60H (400 VAC 50/60Hz or optional).



Fig 3. Wireless Remote Controller

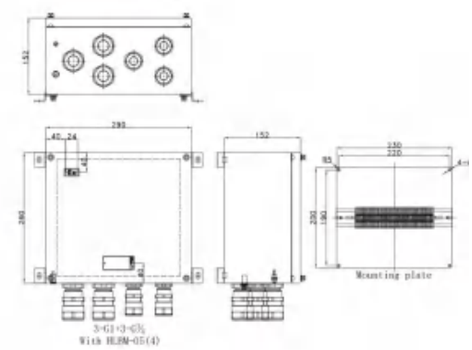


Fig 2. Junction Box

Model		2912
Rated Voltage		380 VAC 50Hz
Control		Elevation and Rotation
		Open valve and Close valve
		1 control 2(One 2912 can control two monitors)
Switch/button/lamp		Switch for Power on/off
		Button for Direction (UP, Down, Right, Left)
		Button for Open valve and Close valve
		Lamp for "Power"
		Lamp for "Direction" (UP, Down, Right, Left)
		Lamp for "Open valve and Close valve"
Communication		Optical fiber network
Communication Distance		≥10 km
Wireless Controller (Optional)	Junction Box	433.050 - 434.600 MHz
	Electric Actuators	150m
	Nozzle Actuator	IP 65
Enclosure Material		Aluminum Alloy
Explosion-proof Grade	Control Box	ATEX certified: II 2G Ex db IIB T4 Gb
	Junction Box	ATEX certified: II 2 G Ex e IIB T4 Gb
	Wireless Controller	MA&CNAS certified: Ex ia IIC t4 Ga
Work Temperature		-20℃ ~ +40℃

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CENTRALIZED CONTROL CONSOLE
Model 2901-M

Each 2901-M has two sets of buttons and indicators, could control two fire monitors and two electric valves at the same time.

Support local control monitor,wireless remote control and remote control from fire console.

Support fiber optic network, the farthest transmission distance can reach more than 10 Km.

All local monitor controllers can form a fiber ring network. Each fiber ring network can connect and control up to 16 explosion-proof controllers and 32 monitors.



The Centralized Control Console 2901-M in the central control room is located in the fire control room and allows remote control of the fire monitor and valve action. Power supply is 220VAC or 230VAC 50Hz/60Hz.

Model	2901-M
Rated Voltage	220VAC 50Hz
Work Environment	Indoor, not explosion-proof
Display	15" HMI(Displays the working status of all monitors and vavles)
Communication	Optical fiber network
Communication Distance	≥10 km
Control	Equipped with 2 sets of fire monitor control buttons and lamp(including up, down, left, right, fog, straight stream, open valve and close valve). It can control the movement of 2 fire monitors at the same time.
Switch/button/lamp	Switch for Power on/off
	Joystick for Direction (UP, Down, Right, Left)
	Buttons for AUX ON/AUX OFF
	Buttons for Open/Close valve
	Lamp for "Power"
Cabinet material	Q235

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FIXED EXPLOSION-PROOF MONITOR
3882



Flow rates up to 2000 GPM for the 3882

Stainless steel waterway provide maximum corrosion protection,extending product life and reducing life cycle costs.

Superior fluid flow technology and flow modeling techniques ensure high reliability and effective spray distances.

Advanced motor drive and control technology ensures reliable operation of the fire monitor.

The control system has a remote start fire pump interface, which can remotely start the fire pump.

Support local, remote, wireless and other control methods. Can be manually operated under power shortage.

Communication through optical fiber network has double security guarantee.

By operating the fire monitors and fire valves at a safe distance away from dangerous places,the personal safety of operators is guaranteed.

Style		3882
Maximum flow rate		7600 LPM
Maximum operating pressure		16 BAR
Inlet	Size	5"
	Type	Flange
Control		Electric
Material		Brass construction
Travel		H: L181°~R181° (362°)
		V: +90°~-90°
IColor		Red
Power requirements		Three-phase:220V-230VACor380V-415VAC,50/60Hz

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FIXED EXPLOSION-PROOF MONITOR
3882

Nozzle							
Style	Type	Size	Flow control	Flow @7Bar (LPM)	Spray mode control	Material	Effective distance
J5850	Water	2 1/2"	Selectable	(water/foam)(m)	Electric	stainless steel	70
F5750	Foam	2 1/2"	Fixed	3000		stainless steel	60
J8810	Water	5"	Selectable	3600/4800/6000	Electric	stainless steel	90
F8710	Foam	5"	Fixed	6000		stainless steel	80
J8891	Water	5"	Selectable	4800/6000/7600	Electric	stainless steel	100
F8791	Foam	5"	Fixed	7600		stainless steel	85

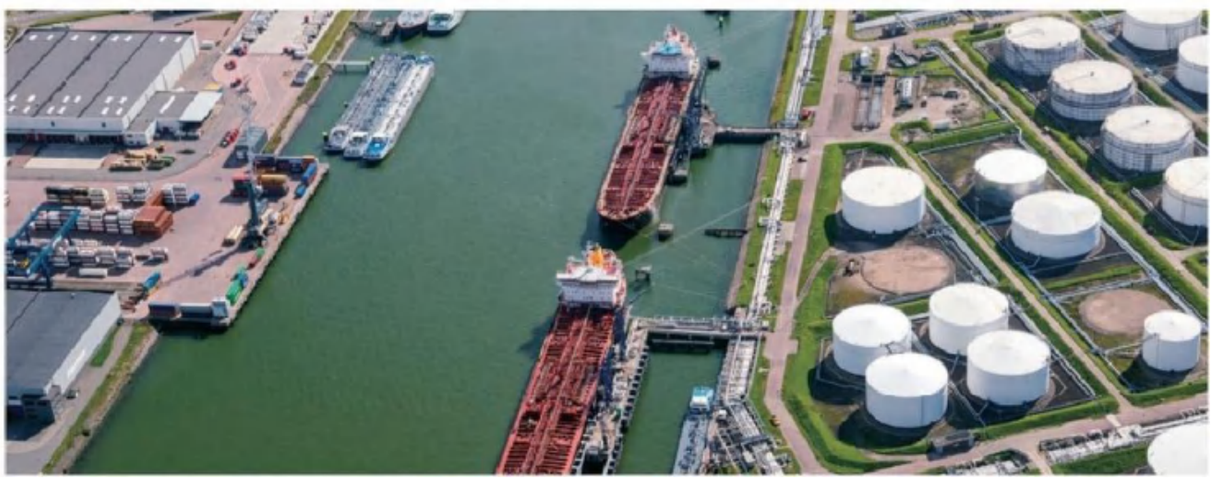
The STORM series monitors feature stainless steel waterway, high quality and reliable drive and control systems with ATEX and FM approv -als, excellent structural design and waterway modeling technology to ensure overall monitor performance and meet the requirements of a variety of industrial environments, including: refineries, chemical plants, hangars, loading docks, tanker berths, rail yards, offshore platforms, open yards, mining operations, and other hazardous locations.

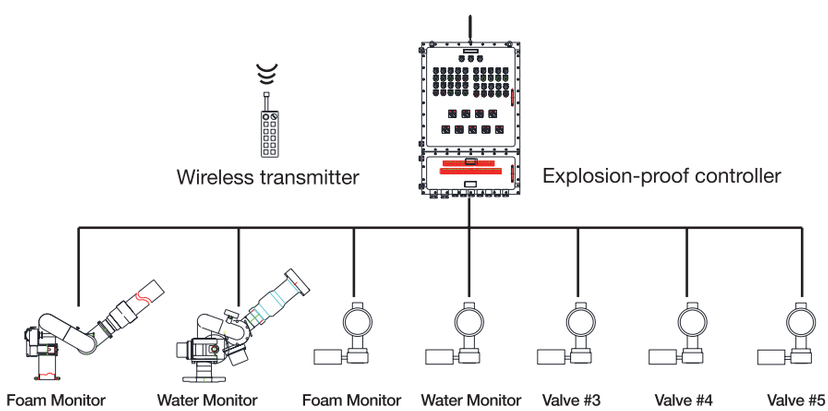


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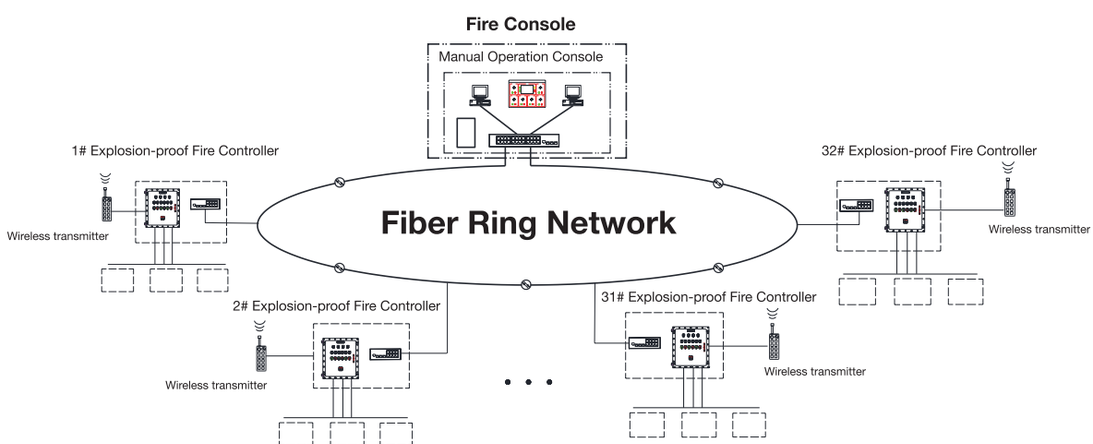
CRUDE OIL HANDLING TERMINAL
TYPICAL APPLICATIONS

The main function of the local monitor controller is to drive and control the movement of the fire monitor.It also has an auxiliary power supply, which can be used as an external signal power for the electric valve's feedback signals. The control signal sent by an operation control panel (OCP) controls the movement of the fire monitor to the designated position, and the fire monitor sprays water or foam to extinguish the fire. Power supply is 380 VAC 50/60H (110/120VAC/50/60Hz or 415 VAC 50/60Hz optional).





When the number of monitors is 8 or more, the local monitor controllers at the crude oil terminal can form a fiber ring network. Each fiber ring network can connect and control up to 32 explosion-proof controllers and 64 monitors.

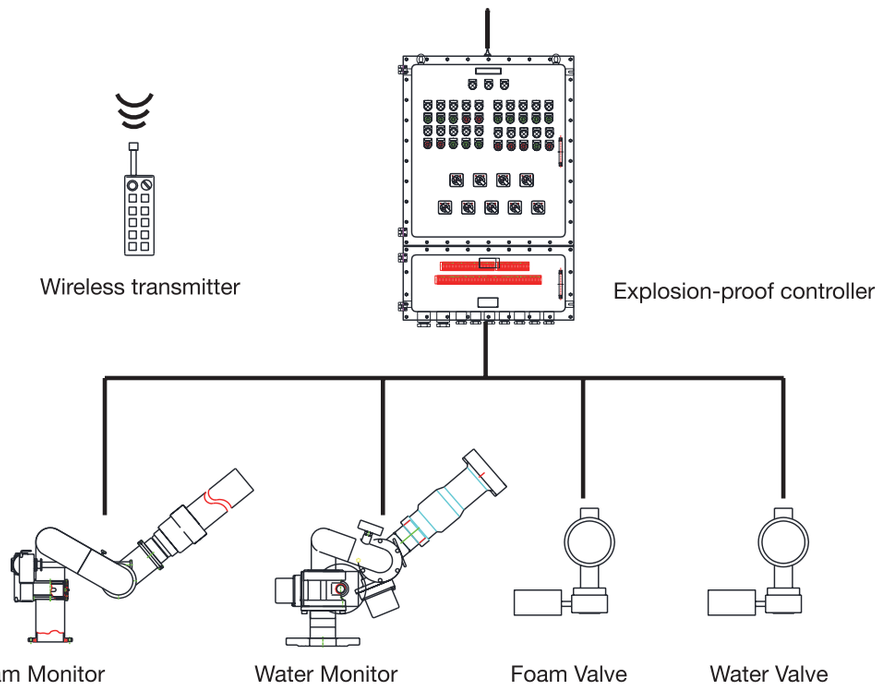


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FLAMMABLE LIQUID TANK AREA
TYPICAL APPLICATIONS

Each local monitor controller can control two water monitors or two foam monitors and two electric valves. It supports local monitor controller, wireless remote control and remote control from fire console, it also supports fiber optic network and the longest transmission distance can reach more than 10 Km.



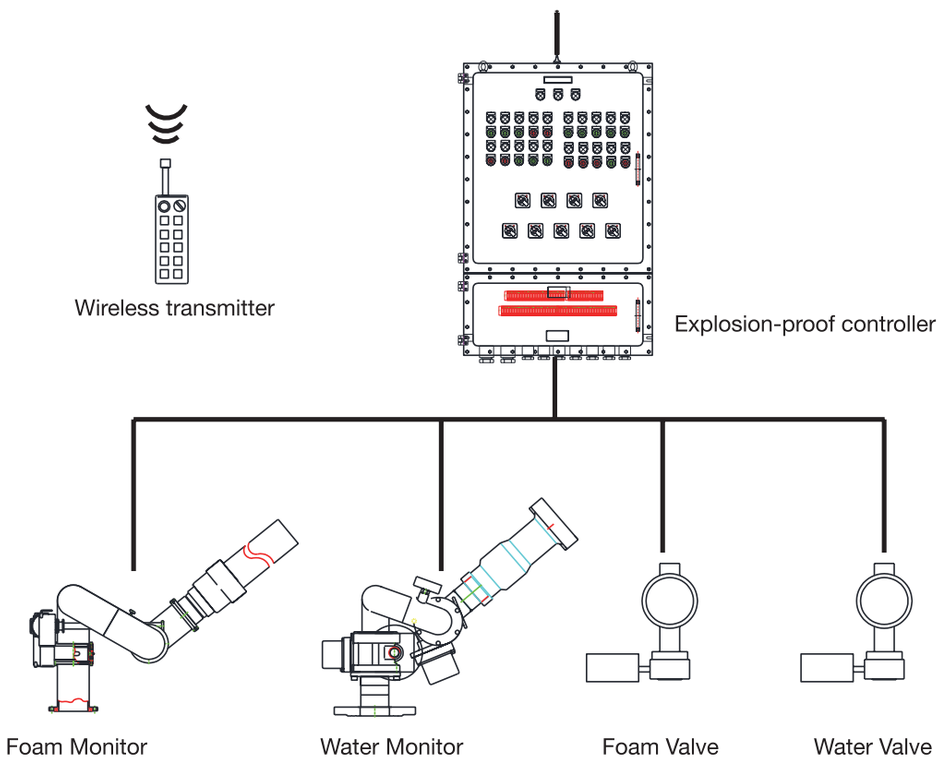


When there are multiple storage tank farms, the local monitor controllers form a fiber ring network in each storage tank farm by the communication controllers. Each fiber ring network can connect and control up to 32 explosion-proof controllers and 64 monitors.

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INDOOR COAL YARD
TYPICAL APPLICATIONS





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