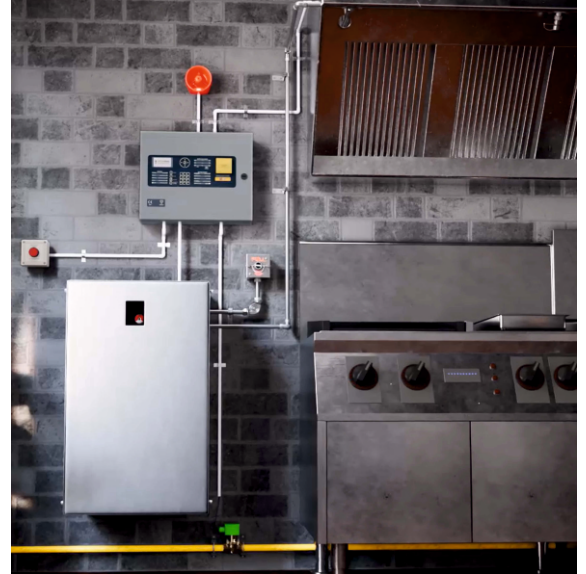


UL LISTED COMMERCIAL KITCHEN SUPPRESSION SYSTEM

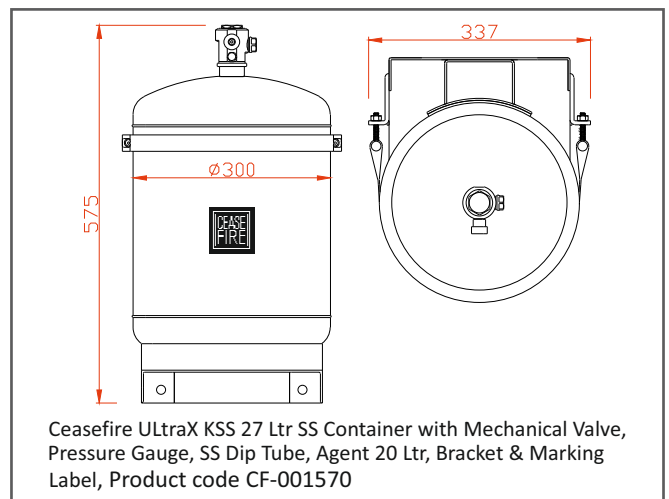
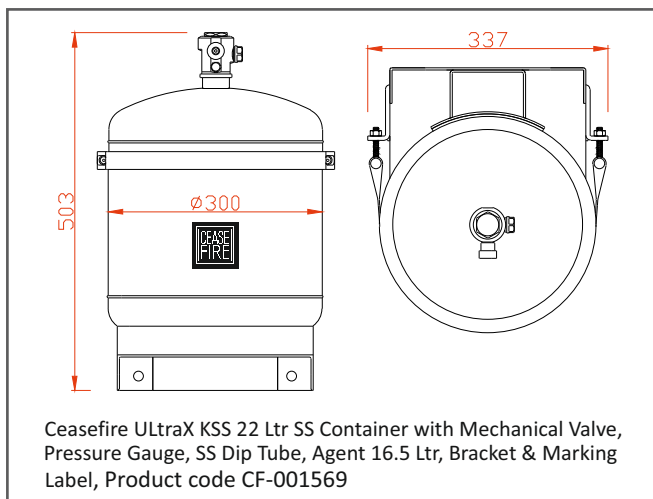
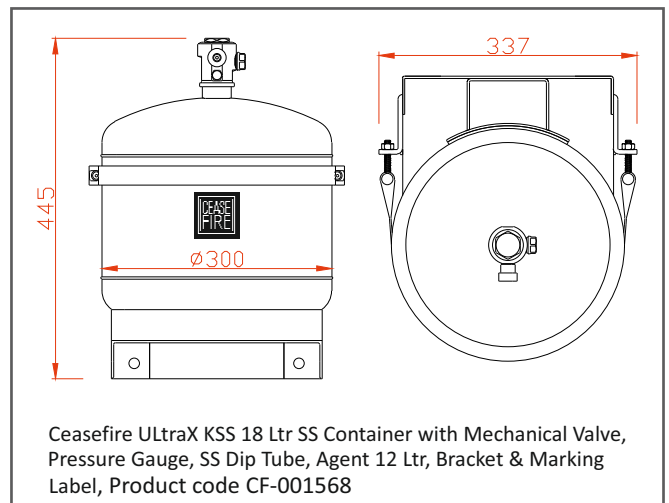
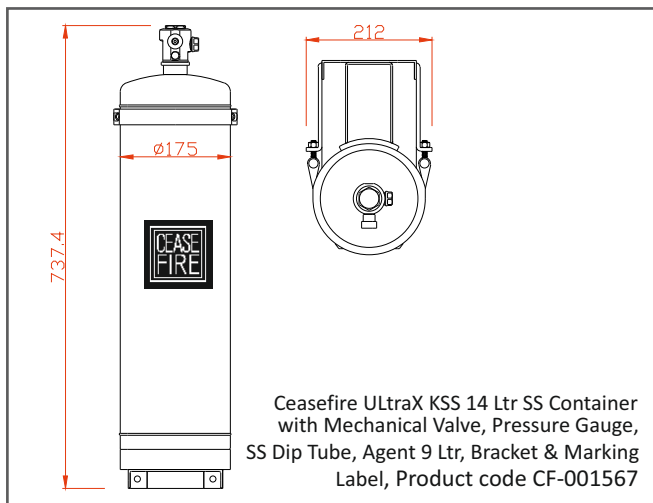
UltraX (PRODUCT OVERVIEW)

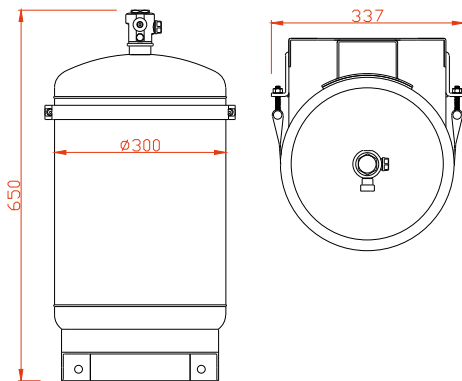
Even the most meticulously maintained and efficiently operated commercial and industrial kitchens can experience unexpected mishaps. Ceasefire's ULtraX Series Commercial Kitchen Suppression System is a state-of-the-art, meticulously designed, and automated solution that ensures comprehensive 24x7 protection for commercial kitchens. System designs are tested and listed to Underwriters Laboratories (UL) Standard UL300 design to meet the requirements of the Underwriters Laboratory standard UL 1254 and as demanded by NFPA 17A, NFPA 96.

The system comes with two types of detection module options to suit every kind of kitchen application - Electrically Triggered and Mechanically Activated Fusible Links, triggering the system to discharge the agent onto the appliance that has caught fire.

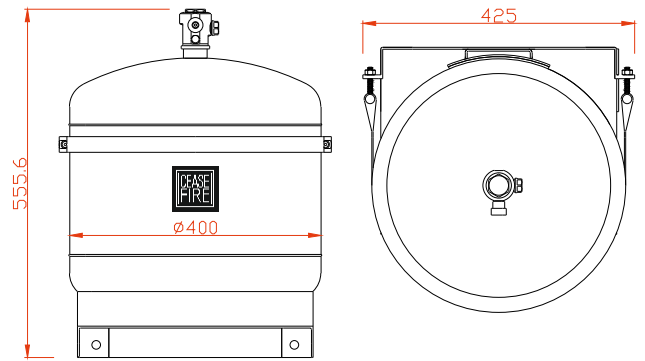


ENGINEERING DRAWINGS - MECHANICAL OPERATED VALVE (MOV)

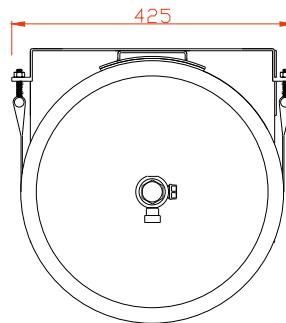
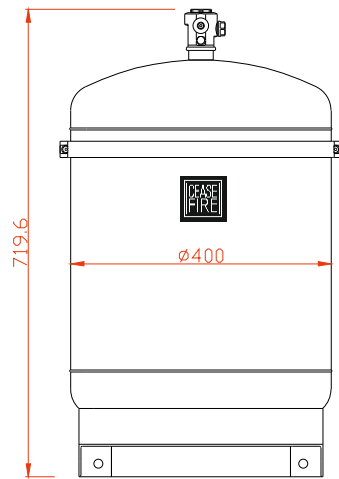




Ceasefire UltraX KSS 32 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 24 Ltr, Bracket & Marking Label, Product code CF-001571

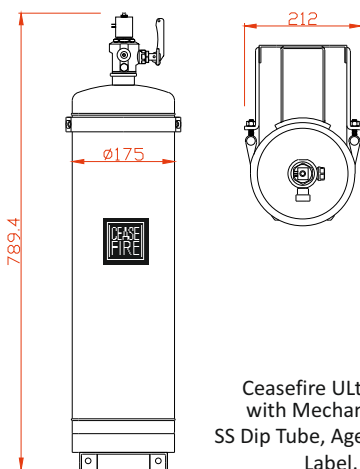


Ceasefire UltraX KSS 44 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 30 Ltr, Bracket & Marking Label, Product code CF-001572

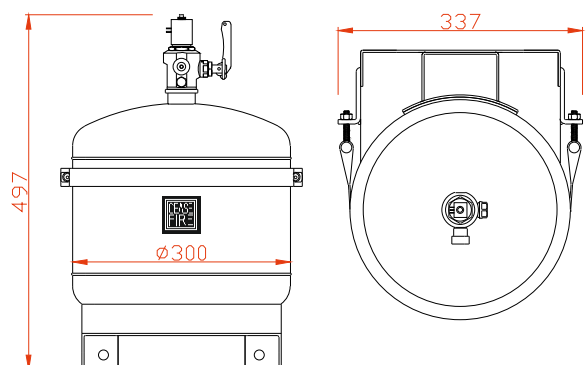


Ceasefire UltraX KSS 64 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 45 Ltr, Bracket & Marking Label, Product code CF-001573

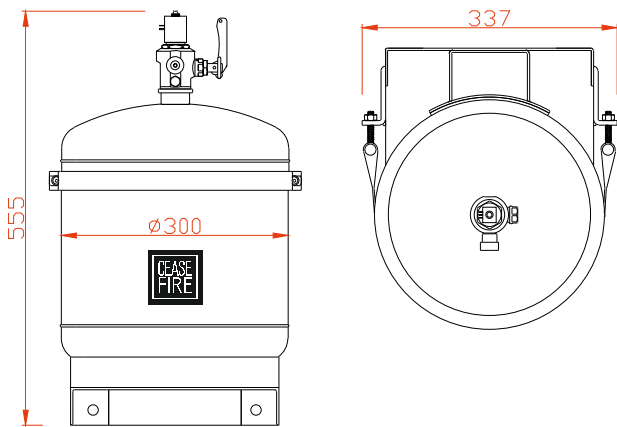
ENGINEERING DRAWINGS - SOLENOID OPERATED VALVE (SOV)



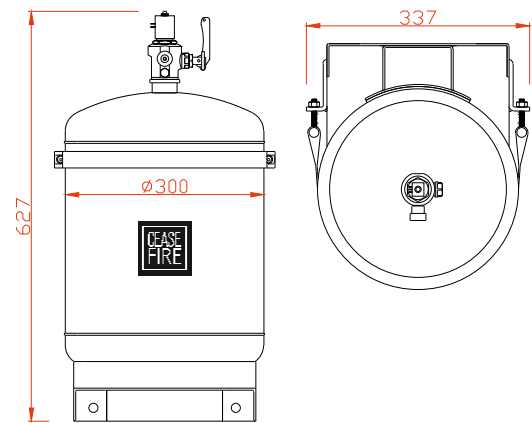
Ceasefire UltraX KSS 14 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 9 Ltr, Bracket & Marking Label, Product code CF-001276



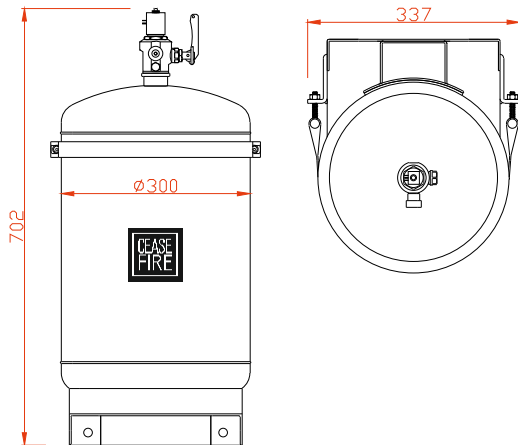
Ceasefire UltraX KSS 18 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 12 Ltr, Bracket & Marking Label, Product code CF-000669AD



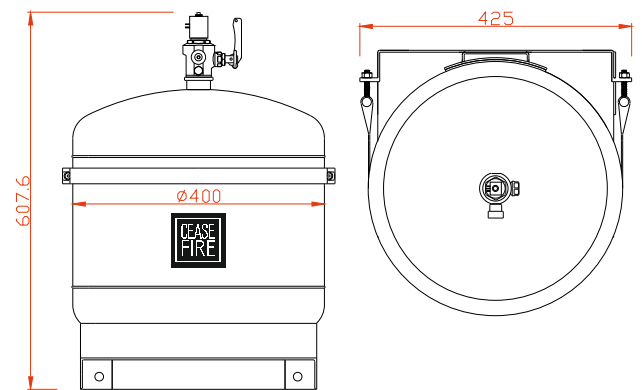
Ceasefire ULtraX KSS 22 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 16.5 Ltr, Bracket & Marking Label, Product code CF-001278



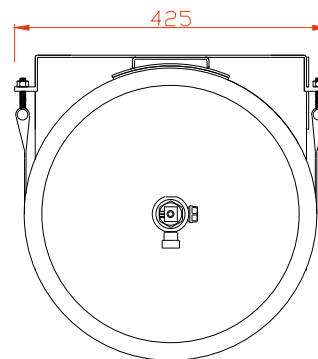
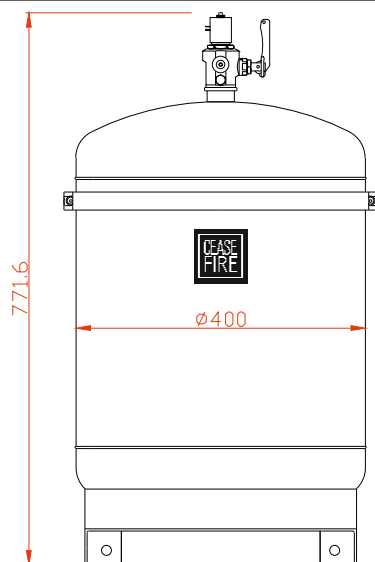
Ceasefire ULtraX KSS 27 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 20 Ltr, Bracket & Marking Label, Product code CF-000669BD



Ceasefire ULtraX KSS 32 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 24 Ltr, Bracket & Marking Label, Product code CF-001280



Ceasefire ULtraX KSS 44 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 30 Ltr, Bracket & Marking Label, Product code CF-001281



Ceasefire ULtraX KSS 64 Ltr SS Container with Mechanical Valve, Pressure Gauge, SS Dip Tube, Agent 45 Ltr, Bracket & Marking Label, Product code CF-001282



TECHNICAL SPECIFICATIONS - Ultra-X (MECHANICAL OPERATED VALVE - MOV)

Product Code	UOM	CF-001567	CF-001568	CF-001569	CF-001570	CF-001571	CF-001572	CF-001573
Description	—	Ceasefire ULtra-X KSS SS container with Mechanical Valve, Pressure Gauge, SS Dip tube, Bracket & Marking Label.			Ceasefire ULtra-X KSS SS container with Mechanical Valve, Pressure Gauge, SS Dip tube, Bracket & Marking Label.		Ceasefire ULtra-X KSS SS container with Mechanical Valve, Pressure Gauge, SS Dip tube, Bracket & Marking Label.	
Capacity of Container	L	14	18	22	27	32	44	64
Capacity of Agent	L	9	12	16.5	20	24	30	45
Certification	—	a) PED 2014/68/EU, ANNEX III (MODULE H), b) UL-300, c) EN 17446, d) LPS 1223, e) ISO 9001						
Total Height (approx.)	MM	737.4	445	503	575	650	555.6	719.6
Service Pressure	BAR	Min. 16bar -22.5 bar Max.						
Test Pressure	BAR	38						
No of Max. nozzles	—	3	4	5 to 7	6 to 10	8 to 12	10 to 14	15 to 18
Operating Temperature Range	°C	0 to + 49						
Min. Discharge Time	SEC.	46 TO 60						
Finish*	—	Bare Steel or Outer surfaces are Epoxy polyester Powder coated having Minimum Thickness 50 Micron. Color - Ivory or Red.						
Applicable to Type of Fire	—	Class A, B ,F						
Filled Weight (Approx.)	KGS	15.25	21.60	27.40	32.20	37.70	49.25	69.30
Product Warranty	YEAR	1						
Shell/Container								
Part Code	—	SM-RM3094	SM-RM1944	SM-RM3095	SM-RM1390	SM-RM3096	SM-RM3097	SM-RM3098
MOC of Shell	—	Stainless steel						

*Specify finish option before ordering



Product Code	UOM	CF-001567	CF-001568	CF-001569	CF-001570	CF-001571	CF-001572	CF-001573
Diameter of Container	MM	175	300	300	300	300	400	400
Mini. Wall Thickness	MM	1.5	2.5	2.5	2.5	2.5	3	3
Height (approx.)	MM	648.4	336	394	466	541	446.6	610.6
Container Color	—	Ivory / Red / Bare stainless steel						

Valve

Type of valve	—	Mechanically Operated Valve (SM-RM3035A)
MOC of valve	—	Body: Un-plated Brass; SS trim; Elastomeric sealings
Type of Operating Mechanism	—	Automatic/Manual
Test pressure	—	40bar at Tmax +65°C
Valve outlet thread	"	G3/8" (Single outlet)
Vessel Connection thread	MM	M30 x 1.5
Dip tube Connection thread	MM	M16 x 1
Pressure gauge Connection thread	MM	M10 x 1
Piercing Pin Connection Thread	MM	M16 x 1
Safety Device	—	Burst Disc (@ 30 bar)

Pressure gauge

Type of Pressure Gauge	—	Bourdon Tube Type
MOC of Pressure Gauge	—	brass or nickel plated



Product Code	UOM	CF-001567	CF-001568	CF-001569	CF-001570	CF-001571	CF-001572	CF-001573
Pressure Gauge range	—	0 to 30 bar						
Certificate	—	UL-listed						
Pipe								
Delivery Pipe MOC	—	TP 304 / UNS S30400 / 1.4301 / TPS-INOX-4301-304, X 5 Cr Ni 18-10 (stainless steel)						
Delivery Pipe Dimension	MM	6MM, 10MM, 16MM						
Standard	—	EN 10216-5 (material) or equivalent standards DIN EN ISO 1127 (dimensions) or equivalent standards						
Discharge Pipe Fitting / Connectors								
Type of Fitting	—	Compression type						
MOC of Fitting	MM	SS316						
Fitting Size	—	6MM, 10MM, 16MM						
Nozzle								
MOC of Nozzles	—	SS316						
Nozzles Type-Size	°X	Spray type 40° / 15° Full Cone						
LPM of Nozzle	—	minimum 2 to maximum 3 liters per nozzle						
Detection								
MOC of fusible link	—	Bronze, Stainless Steel						
Fusible Link Type and Rating	—	K-TYPE : 47 °C, 100 °C, 138 °C, 182 °C, 232 °C B-TYPE : 47 °C, 100 °C, 138 °C, 182 °C, 232 °C ML-TYPE : 47 °C, 100 °C, 138 °C, 182 °C, 232 °C, 260 °C						
Certificate	—	UL -Listed						

TECHNICAL SPECIFICATIONS - ULtra-X (MECHANICAL OPERATED VALVE - MOV)

Product Code	UOM	CF-001567	CF-001568	CF-001569	CF-001570	CF-001571	CF-001572	CF-001573
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EMT Fitting / Connectors

MOC of Connector	—	Aluminium alloy, Stainless steel, Mild steel, Zinc						
Connection Size of EMT Fitting	—	18mm						

Manual Pull Station

MOC of Manual Actuator	—	SS316						
Connection Size of conduit pipe	—	18mm						
Break Rods	—	OD : 3mm , polystyrene (brittle)-red						

CERTIFICATIONS



PRODUCT PICTURES





TECHNICAL SPECIFICATIONS - Ultra-X (SOLENOID OPERATED VALVE - SOV)

Product Code	UOM	CF-001276	CF-000669AD	CF-001278	CF-000669BD	CF-001280	CF-001281	CF-001282
Description	—	Ceasefire Ultra-X KSS SS container with Solenoid Valve, Pressure Gauge, SS Dip tube, Bracket & Marking Label.			Ceasefire Ultra-X KSS SS container with Solenoid Valve, Pressure Gauge, SS Dip tube, Bracket & Marking Label.		Ceasefire Ultra-X KSS SS container with Solenoid Valve, Pressure Gauge, SS Dip tube, Bracket & Marking Label.	
Capacity of Container	L	14	18	22	27	32	44	64
Capacity of Agent	L	9	12	16.5	20	24	30	45
Certification	—	a) PED 2014/68/EU, ANNEX III (MODULE H), b) UL-300, c) EN 17446, d) LPS 1223, e) ISO 9001						
Total Height (approx.)	MM	789.4	497	555	627	702	607.6	771.6
Service Pressure	BAR	Min. 16bar -22.5 bar Max.						
Test Pressure	BAR	38						
No of Max. nozzles	—	3	4	5 to 7	6 to 10	8 to 12	10 to 14	15 to 18
Operating Temperature Range	°C	0 to + 49						
Min. Discharge Time	SEC.	46 TO 60						
Finish*	—	Bare Steel or Outer surfaces are Epoxy polyester Powder coated having Minimum Thickness 50 Micron. Color - Ivory or Red.						
Applicable to Type of Fire	—	Class A, B ,F						
Filled Weight (Approx.)	KGS	15.50	21.80	27.60	32.40	37.95	49.50	69.55
Product Warranty	YEAR	1						
Shell/Container								
Part Code	—	SM-RM3094	SM-RM1944	SM-RM3095	SM-RM1390	SM-RM3096	SM-RM3097	SM-RM3098
MOC of Shell	—	Stainless steel						

*Specify finish option before ordering



Product Code	UOM	CF-001276	CF-000669AD	CF-001278	CF-000669BD	CF-001280	CF-001281	CF-001282
Diameter of Container	MM	175	300	300	300	300	400	400
Mini. Wall Thickness	MM	1.5	2.5	2.5	2.5	2.5	3	3
Height (approx.)	MM	648.4	336	394	466	541	446.6	610.6
Container Color	—	Ivory / Red / Bare stainless steel						

Valve

Type of valve	—	(Electrically) Solenoid Operated Valve (SM-RM3035)
MOC of valve	—	Body: Un-plated Brass; SS trim; Elastomeric sealings
Type of Operating Mechanism	—	Automatic/Manual
Test pressure	—	40bar at Tmax +65°C
Valve outlet thread	"	G3/8" (Single outlet)
Vessel Connection thread	MM	M30 x 1.5
Dip tube Connection thread	MM	M16 x 1
Pressure gauge Connection thread	MM	M10 x 1
Piercing Pin Connection Thread	MM	M16 x 1
Safety Device	—	Burst Disc (@ 30 bar)
Solenoid Coil rating	—	12W, 24 VDC, Ip65

Pressure gauge

Type of Pressure Gauge	—	Bourdon Tube Type
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Product Code	UOM	CF-001276	CF-000669AD	CF-001278	CF-000669BD	CF-001280	CF-001281	CF-001282
MOC of Pressure Gauge	—	brass or nickel plated						
Pressure Gauge range	—	0 to 30 bar						
Certificate	—	UL-listed						
Pipe								
Delivery Pipe MOC	—	TP 304 / UNS S30400 / 1.4301 / TPS-INOX-4301-304, X 5 Cr Ni 18-10 (stainless steel)						
Delivery Pipe Dimension	MM	6MM, 10MM, 16MM						
Standard	—	EN 10216-5 (material) or equivalent standards DIN EN ISO 1127 (dimensions) or equivalent standards						
Discharge Pipe Fitting / Connectors								
Type of Fitting	—	Compression type						
MOC of Fitting	MM	SS316						
Fitting Size	—	6MM, 10MM, 16MM						
Nozzle								
MOC of Nozzles	—	SS316						
Nozzles Type-Size	°X	Spray type 40° / 15° Full Cone						
LPM of Nozzle	—	minimum 2 to maximum 3 liters per nozzle						
Detection (Linear Heat Detection)								
MOC of Linear Heat Detection	—	Overall insulated, twisted pair of tri-metallic cores						
Wire Overall Diameter	—	3.60mm ± 0.12mm						



Product Code	UOM	CF-001276	CF-000669AD	CF-001278	CF-000669BD	CF-001280	CF-001281	CF-001282
Max Voltage Rating	—	30Vac, 42Vdc						
Linear Heat Detection Cable Type and Rating	—	LHDC outer coating PVC : 68 °C, 78 °C, 88 °C, 105 °C, 185 °C LHDC outer coating nylon : 68 °C, 88 °C, 105 °C, 185 °C LHDC outer coating Silicone : 218 °C LHDC outer coating green Rubber : 230 °C						
Certificate	—	CE Marked, RoHS Compliant, UL 521 approved						

Supporting Clips And Brackets

MOC of clips	—	Stainless Steel (316)
Type of clips	—	P clip, L clip, V clip, J clip, P clip with L bracket, A clip

Remote Manual Pull Station (Green)

MOC of Manual Actuator	—	Painted Die Cast Housing with 14 GA plated steel black plate
Switch type	—	SPST
Electrical Rating	—	10A at 120VAC
Certificate	—	UL Listed

CERTIFICATIONS



PRODUCT PICTURES



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www.ceasefireworld.com