LICHFIELD FIRE & SAFETY EQUIPMENT CO. LTD.

27 ANNIVERSARY - YEARS -

FIRE VALVES

Advanced valve solutions ensuring efficient flow regulation and system integrity under critical conditions.

UL FM APPROVED



www.lifeco-uk.com

WE AIM TO MAKE THE WORLD A SAFER PLACE

THE CORNERSTONE TO BUILDING THE FUTURE

Lichfield Fire & Safety Equipment Co. Ltd. (LIFECO) has been a global leader in supplying products covering the full range of fire detection, prevention, extinguishing, and suppression systems. LIFECO with its world headquarters located in the United Kingdom, LIFECO is well poised to serve a variety of international markets in addition to fulfilling local market demand.

LIFECO provides innovative and high-quality solutions to Industrial and commercial sectors worldwide. With a strong national and international network of distributors, LIFECO is represented across the globe. Our strengths lie in a highly skilled workforce and a diverse range of products and services, enabling us to be a true 'one-stop shop' for all Fire and Life Safety requirements.



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MADE IN BRITAIN

Fire Valves

LIFECO offers a vast selection of fire protection valves, including alarm check valves, deluge valves, butterfly valves, gate valves (NRS and OS&Y), and check valves. The range also includes indicator posts and strainers.

LIFECO Fire Fighting Valves System are built to high-quality standard and holds approval by UL (Underwriters laboratories) and have FM (Factory Mutual) approval, where applicable

Gate Valves

OS&Y Gate Valves



Model Number: 3299 Series

LIFECO's OS&Y (Outside Screw and Yoke) fire gate valve is a specific type of valve used in fire protection systems to control the flow of water.

NRS Gate Valves



Model Number: 3288 Series

NRS gate valves are chosen for their space-saving design and durability, particularly where external visibility of the stem position, as provided by OS&Y valves, is not a primary concern.

All LIFECO Gate Valves are:
+Comply with AWWA C515 Standard
- High quality graphite stem seal
- NPT plug on body
- Working temperature: 4°C to 70°C

Sizes:
2" FM Approved- 365 PSI ---------- Model No. for Flanged OS&Y 3299-365-FFLF || Model No. for Flanged NRS 3288-365-FFLF
2.5"- 12" UL Listed & FM Approved- 365 PSI ------ Model No. for Flanged OS&Y 3299-365-FFLF || Model No. for Flanged NRS 3288-365-FFLF
14", 16", 18" UL Listed- 250 PSI ---------- Model No. for Flanged OS&Y 3299-250-FLF || Model No. for Flanged NRS 3288-250-FLF
20" & 24" UL Listed- 200 PSI ---------- Model No. for Flanged OS&Y 3299-200-FLF || Model No. for Flanged NRS 3288-200-FLF

*Grooved and mechanical joint end connections are available with different model numbers ending in GGLF for Grooved and JJ for Mechanical.

End Connections::
- Flange–Flange: ANSI B16.42 Cl.150 RF std; optional ANSI B16.1 Cl.125, B16.42 Cl.300, EN1092-2, PN10/16/25, BS10 D/E.
- Flange–Groove: ANSI B16.42 Cl.150 RF + AWWA C606 std; optional ANSI/EN/PN/BS, VDS2100, GB/T 8260.
- Groove–Groove: AWWA C606 std; optional VDS2100 or GB/T 8260.
- Mechanical Joint–Mechanical Joint: ANSI std; optional AWWA C111 / A21.11-00.

Valve Accessories

T-Key



T-Key for use with non-rising stem (NRS) gate valves

Handwheel



For use with NRS gate valves

Butterfly Valves

Wafer Type

LF-BFVWW



· Complies with UL 1091 & FM 1112 Standards
· Comply with Flanges to ANSI B16.42 Class 150
· Working pressure: 300 PSI
· -10°C to 120°C Working temperature
· Ductile iron body
· Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Grooved Type

LF-BFVGG

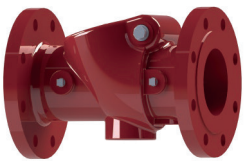


· Complies with UL 1091 & FM 1112 Standards
· Comply with Grooved to AWWA C606
· Working pressure: 300 PSI
· -10°C to 120°C Working temperature
· Ductile Iron Body
· Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Check Valves

Swing Type - Flanged Ends

LF-CVFF



· Complies with AWWA C508 standard, Full waterway design
· Working pressure: 365 PSI
· Working temperature: 0°C to 80°C
· Flanged to ANSI B16.42, Class 150
· Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Swing Type - Grooved Ends

LF-CVGG



· Complies with AWWA C606 standard
· Ductile Iron Body
· Working temperature : 0°C to 80°C
· Working pressure: 365 PSI
· Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Wafer Check Valve

LF-CVWW



· Soft seated for perfect tightness even at low differential pressure
· Working temperature: -20°C to 110°C
· Working pressure: 300 PSI
· Sizes: 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"

Strainers

Y-Strainer - Flanged Ends

LF-STR300FF



· NPT or BSPT blowoff outlet on cover. Blowoff outlets are finished with plugs
· Working pressure: 300 PSI
· -10°C to 120°C Working temperature
· Flanges to ANSI B16. 42 Class150 RF (other flange types available upon request)
· Sizes: 2" , 2.5", 3", 4", 5", 6", 8", 10" & 12"

Y-Strainer - Grooved Ends

LF-STR300GG



· NPT or BSPT blowoff outlet on cover. Blowoff outlets are finished with plugs
· Working pressure: 300 PSI
· -10°C to 120°C Working temperature
· Groove dimensions comply with metric requirements or AWWA C606 standards.
· Sizes: 2" , 2.5", 3", 4", 5", 6", 8", 10" & 12"

Strainer - Basket Type

6301-200-FLF



· Screens are perforated 304 stainless steel with spot welded seam
· -10°C to 82°C Working temperature
· Flanges to ANSI B16.1 Class 125
· Working pressure: 200 PSI
· Sizes: 3", 4", 5", 6", 8", 10" & 12"

**LIFECO reserves the right, at its discretion, to change, modify, add or remove details/content at any time without prior notice.

Zone Control Valves

LF-ZCV

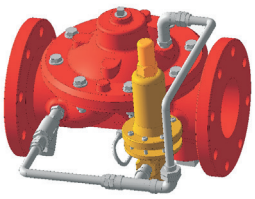


Designed to operate utilizing electrical service for actuation. supply enters the building. In the simplest system a single shut-off valve may be located at the point where the water supply enters the building.

*UL & FM Accessories, where applicable.

Pressure Reducing Valve

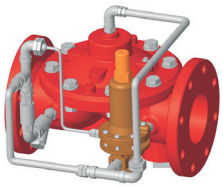
LF-PRC



· Reducing a higher upstream pressure into a lower, constant downstream pressure
· Adjustment Range of Outlet Pressure: 65 to 165 PSI· Can be maintained without removal from the pipe line.
· Valve Sizes 2”, 2.5”, 3”, 4”, 5”, 6”, 8”, 10” and 12”
· Valve body: Ductile Iron
· Working Pressure: 300 PSI

Pressure Relief Valve

LF-PRF



Limits pipeline pressure by release excess pressure
· Inlet pressure adjustment range: 65-180 psi
· Can be maintained without removal from the pipe line
· Rated Working Pressure: 300 PSI
· Adjustment Range of Set Pressure: 65 to 180 PSI
· Valve Sizes: 2”, 2.5”, 3”, 4”, 5”, 6”, 8”, 10”, 12”
· Body: Ductile Iron

Deluge Valve



· Model LF-DIPA
· Available nominal size: 2”, 3”, 4”, 6” & 8”
· Working Pressure 17.2 Bar (250 PSI)
· Vertical or Horizontal Intallation Mounting
· Galvanized Steel with Brass Valves Trim
· 34.5 Bar (500 PSI) Hydrostatic test pressure

Indicator Post & Breeching Inlet

Vertical Type Indicator Post

LF-PST-V



· Complies with UL 789 and FM 1110 and meets the requirements of NFPA 24.
· Indicates the Valve OPEN or SHUT Position
· Target Nut to allow 13 to 45 Turns
· Protected Windows
· Used with 4”-14” NRS Valves

Wall Type Indicator Post

LF-PST-W



· Comply with UL 789, FM 1110, & requirements of NFPA 24
· Indicates the Valve OPEN or SHUT Position.
· Target Nut to allow 13 to 45 Turns.
· Protected Windows.

Breeching inlet

LWR 095 & LWR 115



The bodies of the 2-way and 4-way breeching inlets are made of spheroidal graphite iron in accordance with BS 2789 or cast iron in accordance with BS 1452. The outlet flange is according to BS 4504 and inlet is according to BS Instantaneous Male.

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Alarm Check Valve

Model No: LF-ACV-FF/GG/GF/FG



LIFECO wet alarm valves include trim packages comprising valves, gauges, pressure switches, fittings, and nipples to provide retard chamber connections, drain connections, and an alarm test bypass.

· Anti-corrosive Trim
· Ductile Iron Body
· Quick removal and easy service for rubber-faced clapper
· Flange comply to ANSI B16.42 Class 150 RF: Grooved comply to AWWA C606
· Maximum Working Pressure: 300 PSI
· Sizes - 2", 2.5", 3", 4", 5", 6", 8", 10" & 12"
· Stainless Steel Wet Trim

Double Interlock Preaction Valve with Air Compressor

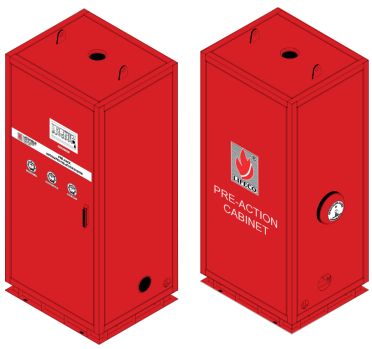
Model No: LF-DIPA



The Double Interlock Preaction System with Electric/ Electric Release is generally used to protect water sensitive areas such as computer rooms, storage areas, refrigerated areas etc., to avoid water damage due to inadvertent flooding of the sprinkler system piping.

· Size: 2", 3", 4", 6" & 8"
· Solenoid Valve: 24V DC, UL Listed
· Maximum Working Pressure: 17.5 Bar (250 PSI)
· Valve End Connection: Flanged or Grooved

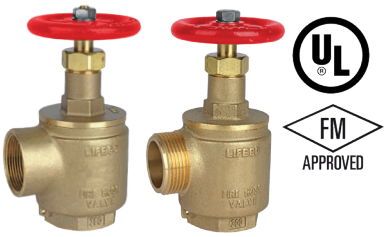
*Available with Air Compressor for 50Hz / 60Hz
*Pre-Action Cabinet Available



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Angle Hose Valve

LF-AH-15/20/25/30

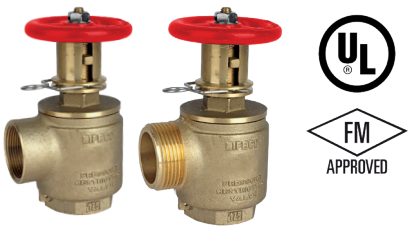


· Working Pressure 300 PSI
Angle hose valve manufactured in accordance with UL 668 Hose valve fire protection service is used as fire department outlet or with a hose rack assembly.
Available sizes: 1 1/2 "& 2 1/2"

*Cap with chain is optional
*Chrome finish available

Pressure Restricting Angle Hose Valve

LF-RV-AH15/20/25/30

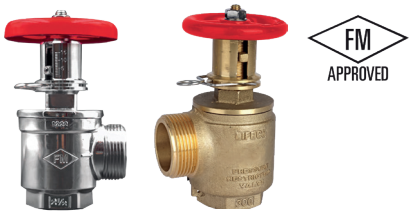


Used with a fire hose reel or rack assemblies or as a fire department outlet connection. Water pressure is controlled up to 175 PSI by adjustable flow restriction. Locking pin mechanism restricts unnecessary full opening of valve. Available sizes: 1 1/2 "& 2 1/2"

*Cap with chain is optional
*Chrome finish available

Pressure Restricting Angle Hose Valve

LF-AVPR 15/20/25/30



Used with a fire hose reel or rack assemblies or as a fire department outlet connection. Water pressure is controlled up to 300 PSI by adjustable flow restriction. Locking pin mechanism restricts unnecessary frill opening of valve. Available sizes: 1 1/2 "& 2 1/2"

*Cap with chain is optional
*Chrome finish available

Test & Drain Valve

LF-TND



· Female threaded NPT inlet and outlet
· Body material - BRASS ASTM C37700
· Working pressure: 300PSI
· Connection sizes: 1", 1.25", 1.5", and 2"

Air Release Valve

LF-ARV



· Size: 1"

This valve is used as a backup just in case the water pressure or flow is not as required due to certain situations. Tested under the pressure of 350 PSI.

Fire Hydrants

Fire hydrants are connection points through which firefighters can access a water supply when battling a fire.

Dry Barrel Hydrant

LF-FM1510A / LF-FM1510B



· Standard pumper 4.5" and hose nozzle 2.5" thread - 4" Pumper Connection is optional
· Multiple bury lengths available
· 250 PSI Working pressure
· -10°C to 82°C Working temperature
· Internally and externally liquid epoxy painted corrosion protection
· Hydrant Size: 6"

Wet Barrel Hydrant

LF-WBHM-100/115 &
LF-WBHX-100/115



· Manufactured in accordance with AWWA C503 standard
· (1) 4.5" Pumper nozzle, (4"Pumper Connection is optional) (2) 2.5" Hose nozzles, (3) 4" Monitor Flange - Option
· 250 PSI Working Pressure
· -10°C to 82°C working temperature
· Hydrant Size: 6"

Wet Barrel Hydrant

LF–WH-100 & LF–WH-150



· The 4" and 6" shell hydrants are manufactured in accordance with BS 750.
· Two numbers of 2½" hydrant landing valves w/ cap and chain are provided with hydrants.
· Other pressure ratings are available upon request.
· Ductile hydrants available upon request.

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