



## Description

LIFECO Wet Alarm Valves are designed to hold back water pressure in the piping system until the sprinkler is activated, to be used in wet pipe sprinkler installations in buildings not subject to freezing temperatures. Alarm valve includes trim packages valves, gauges, pressure switch, fittings and nipples to provide retard chamber connection, drain connections and alarm test bypass.

## Retard Chamber

This is a valve accessory which may be used for variable pressure wet systems where mechanical motor alarms or pressure switches are used. In situations where excessive water pressure surgers occur the retarding chamber is needed to collect excess water from the alarm valve and feed water back into the main drain, before activating the alarm.

## Water Motor Alarm

This is a hydraulically driven mechanical gong that automatically sounds a continuous alarm when the sprinkler system activates ..

## Features

- Size : 4" & 6"
- Maximum working pressure : 175psi
- Hydro test pressure : 100% at 350psi
- Standard finish : Red enamel
- Flange dimensions : Class 1 25 ANSI B 1 6.1 / Class 1 50 B 1 6.5

## Accessories

- Standard trim
- Retard chamber
- Water motor alarm
- Pressure switch

## Technical Data

**Check Valve Technical Specification**

1	Swat Ring (O-Ring) (Fig. 10)	PN18110	RUBBER	NBR	
1	Swat Ring (O-Ring) (Fig. 10)	PN18110	RUBBER	NBR	
2	RIKET	17	PN08110	BRASS ROD	016 C30000
1	NAMEPLATE	16	PN03107	ALLOY	
2	E-TYPE SPRING	15	PN09110	SW STL	304
2	HANGE PIN BUSHINGS	14	PN08110	BRASS ROD	016 C30000
1	O-Ring (Fig. 1)	13	PN14014	RUBBER	NBR
1	SELF LOCKING GAIT	12	PN18110	SW STL	304
1	SHOULDER BOLT	11	PN08110	BRASS ROD	016 C30000
7	COVER BOLT	10	PN09110	CARBON STEEL	A307-91
1	RETURNING DISC	9	PN08110	SW STL	304
1	HANGE PIN	8	PN16110	SW STL	304
1	SPRING	7	PN08110	SW STL	304
1	Swat Ring	6	PN18110	BRASS	1004 C30000
1	CLAPPER FACING	5	PN09110	RUBBER	1004 C30000
1	CLAPPER	4	PN08110	SW STL	304
1	COVER GASKET	3	PN09110	ASBESTOS	
1	COVER	2	PN08110	CAST IRON	A48 N0.35
1	BODY	1	PN08110	CAST IRON	A48 N0.35

**Body (Wet Alarm Valve) Technical Specification**

1	BUSHING	23	PN10111	PLASTICS	PE
1	LABEL	22	PN10111		
1	SPWIDLE	21	PN10111	POLYDIMETHYLENEPOM	A285 D
1	SPWIDLE	20	PN10111	MILD STEEL	A285 D
1	WASHER	19	PN10111	MILD STEEL	A285 D
1	SPWIDLE	18	PN10111	PLASTICS	A285 D
1	ACORN NUT	17	PN10111	MILD STEEL	A285 D
1	WASHER	16	PN10111	PLASTICS	PE
1	BOLT	15	PN10111	MILD STEEL	A285 D
1	NUT	14	PN10111	AL ALLOY	B211 6061 T6
1	WASHER	13	PN10111	MILD STEEL	A285 D
1	DRIVE SHAFT	12	PN10111	SW STL	A213 S30400
1	SPWIDLE	11	PN10111	AL ALLOY	B211 6061 T6
1	FLAT BAR	10	PN10111	MILD STEEL	A285 D
2	HUB	9	PN10111	POLYDIMETHYLENEPOM	
1	SOCKET	8	PN10111	AL ALLOY	B211 6061 T6
1	BACK PLATE	7	PN10111	AL ALLOY	505 356.0 T6
1	GONG SHELL	6	PN10111	AL ALLOY	5059 6061 T6
6	WASHER SCREW	5	PN10111	MILD STEEL	A285 D
1	COVER	4	PN10111	AL ALLOY	5059 6061 T6
1	MEMBER	3	PN10111	POLYDIMETHYLENEPOM	
1	WASHER	2	PN10111	POLYDIMETHYLENEPOM	
1	BODY	1	PN10111	AL ALLOY	505 356.0 T6

**Alarm Chamber Technical Specification**

1	BODY	FRANITIN	CAST IRON	A48 N0.35
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