



Purpose

Deluge valve refers to a control valve that reaches automatic water supply by controlling the fire water pipeline, and can be opened by electric, hydraulic, pneumatic and mechanical means. The working principle and function of the deluge alarm valve is that it can control the flow of the fire storage water in the fire pipe of the building towards the sprinkler head according to the fire situation. It is a kind of timely and efficient fire valve. General rain deluge alarm valves are designed with hydraulic alarm bell, ball valve, needle valve and pressure switch valve parts.

It is widely applied in various open-type system (open-type sprinkler is installed at the side pipe) such as deluge system, water curtain system and water mist system.

Performance Parameters

Standard: ANSI/BS/GB

Connection: Flanged as ANSI B16.1/EN 1092-2

Installation: Vertical

Test: Factory hydro test 350 psi (2.4MPa)

Temperature: 4°C to 70°C

W. pressure: 175/300 psi (1.21/2.07MPa)

Surface: FBE coating as AWWA C550

Technical parameters

Model	ZSFM65	ZSFM80	ZSFM100	ZSFM125	ZSFM150	ZSFM200	ZSFM250	ZSFM300
Nominal diameter(mm)	65	80	100	125	150	200	250	300
Working pressure(MPa)	1.6MPa							
Sealed test(MPa)	3.2MPa							
Strength test(MPa)	6.4MPa							
Flow rate(L/min)	15<Q<60							
Retard alarm time(s)	5~90							
Friction resistance(MPa)	≤0.035							

Body	Ductile iron	Cover	Ductile iron
Disc	Ductile iron/brass+EPDM	Stem	SS304/galvanized pipe
Seat	Bronze/Cast iron	Accessories	Standard trim & accessories, Retard chamber, Alarm pressure switch, Water motor gong, etc.

Main dimensions(mm)

Model specifications	Working Pressure(MPa)	Strength test Pressure(MPa)	Strength test Pressure(MPa)	Diameter (mm)	Flange diameter(mm)	Flange screw hole diameter(mm)	Screw hole specification(mm)
ZSFM65	1.6	3.2	6.4	DN65	185	145	8*18
ZSFM80				DN80	200	160	
ZSFM100				DN100	220	180	
ZSFM125				DN125			
ZSFM150				DN150	285	240	8*22
ZSFM200				DN200	340	295	12*22
ZSFM250				DN250	405	355	12*26
ZSFM300				DN300	460	410	12*26