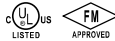


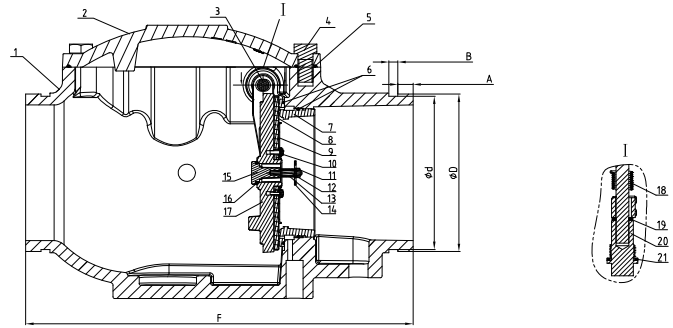
## Grooved Wet Alarm Check Valve (ZSFZ8X9)



ZSFZ8X9



- Connection Ends: Groove to AWWA C606
- Working Pressure: 300PSI  
200PSI and 250PSI available upon request
- Temperature Range: 0°C - 80°C
- Coating: Painting or Fusion Bonded Epoxy Coating in accordance with ANSI/AWWA C550

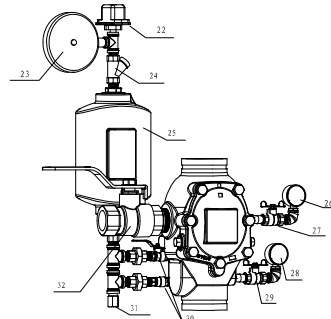


### MATERIAL SPECIFICATION

Part No.	Part	Standard Specification
1	Valve Body	ASTM A536, 65-45-12
2	Bonnet	ASTM A536, 65-45-12
3	Pin	AISI 304
4	Hex Bolt	Carbon Steel Zinc Plated
5	Body Gasket	EPDM
6	O-Ring	NBR
7	Seat	C83600
8	Gasket	EPDM
9	Disc Gland	AISI 304
10	Slotted Screw	AISI 304
11	Hexagonal Nut	AISI 304
12	Adjusting Screw	AISI 304
13	Core Tube	AISI 304
14	Core Board	AISI 304
15	Disc Core	C89833
16	O-Ring	NBR
17	Disc	C83600
18	Spring	AISI 304
19	Sealing Fillet Gasket	PTFE
20	Sealing Plug	AISI 304
21	Sealing Fillet Gasket	PTFE

Note: For special material request other than standard specification, please indicate clearly on the inquiry or order list.

DN		OD	Dimensions(mm)				
Inch	mm		A	B	φ d	φ D	F
3"	80	88.9	15.88	7.93	84.94	88.9	320.3
4"	100	114.3	15.88	9.53	110.08	114.3	382
6"	150	159	15.88	9.53	154.5	159	406.4
		165.1	15.88	9.53	160.9	165.1	406.4
		168.3	15.88	9.53	163.96	168.3	406.4
8"	200	219.1	19.05	11.1	214.4	219.1	446



External Accessories			
Part No.	Part	Part No.	Part
22	Pressure Switch	28	Pressure Gauge
23	Alarm	29	Ball Valve
24	Strainer	30	Drip Valve
25	Retard Chamber	31	Locking Balve
26	Pressure Gauge	32	Check Ball Valve
27	Ball Valve		

# CERTIFICATE OF COMPLIANCE

**Certificate Number** EX26840  
**Report Reference** EX26840-20181223  
**Date** 2021-July-29

**Issued to:** JINAN MEIDE CASTING CO LTD  
Meide Science and Technology Park  
Pingyin Industrial Park  
JINAN SHANDONG 250400 CN

**This is to certify that representative samples of** VALVES, ALARM  
See Addendum Page for Product Designation(s).

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

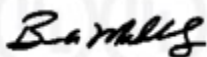
**Standard(s) for Safety:** UL193, UL Standard for Safety for Alarm Valves for Fire-Protection Service  
ULC/ORD -C193-75, Guide for the Investigation of alarm valves for fire-protection service

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

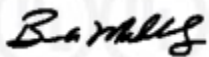
**Certificate Number** EX26840  
**Report Reference** EX26840-20181223  
**Date** 2021-July-29

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

## Models

Models ZSFZ8X9 alarm valves in the 3, 4, 6, 6(165.1mm), 6(159.0mm) and 8 in. sizes for a rated pressure of 300, 250, 200, 232, 175 psig for vertical installation, end configuration G by G.

Models ZSFZ4X9 alarm valves in the 3, 4 and 6 in. sizes for a rated pressure of 250, 200, 175 psig for vertical installation, end configuration F by F (ANSI flange, ASME B16.42, CLASS 150); Models ZSFZ4X9 alarm valves in the 3, 4, 6 and 8 in. sizes for a rated pressure of 232 psig for vertical installation, end configuration F by F (BS flange, EN1092-2, PN16).



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





# Certificate of Compliance

This certificate is issued for the following:

## **ALARM CHECK VALVES**

**Model ZSFZ8X9**

**Sizes 3 (88.9 mm), 4 (114.3 mm), 6 (159.0 mm, 165.1 mm, 168.3 mm)  
and 8 (219.1 mm) inch NPS**

### **Prepared for:**

Jinan Meide Casting Co., Ltd.  
Meide Science and Technology Park  
Pingyin Industrial Park  
Jinan Shandong Province 250400 China

FM Approvals Class: 1041, dated February 2006

Approval Identification: 3055288

Approval Granted: April 3, 2020

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

A handwritten signature in dark ink, appearing to read 'D.B. Fuller', written over a horizontal line.

David B. Fuller  
VP, Manager – Fire Protection  
FM Approvals  
1151 Boston-Providence Turnpike  
Norwood, MA 02062



*Member of the FM Global Group*