

Models SD-AVA-300G, SD-AVA-300F, SD-AVA-300FGA, and SD-AVA-300FGB

Product Description

Model No	Description	Valve Size		Rated Working Pressure		End Connection	Remarks
		in	(mm)	psi	(kPa)		
SD-AVA-300G	Alarm Check Valve	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	Grooved x Grooved	a, b, c
SD-AVA-300F	Alarm Check Valve	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	Flanged x Flanged	a, b, c
SD-AVA-300FGA	Alarm Check Valve	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	Flanged x Grooved	a, b, c
SD-AVA-300FGB	Alarm Check Valve	2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	(50, 65, 80, 100, 125, 150, 200, 250, 300)	300	(2065)	Grooved x Flanged	a, b, c

Remarks:

- a. Resilient seat.
- b. FM Approved for Vertical Installations Only
- c. Approved for use with Model RCAVA-300 retard chamber

Details

Category	Waterflow Alarm System Valves
Class of Work	1041 - Alarm Check Valves
Approval Standard	FM 1041 - Alarm Check Valves
Certification Type	FM Approved
Listing Country	United Kingdom

Company

Shield Fire Safety and Security Ltd
 Unit 3 Endeavor Drive, Basildon, Essex, SS14
 3WF, United Kingdom
<http://www.shieldglobal.com>

Additional Info

Automatic Sprinkler Systems

Valves

System Valves

Waterflow Alarm System Valves

Waterflow alarm valves (alarm check valves) are installed in either vertical or horizontal positions in wetpipe sprinkler systems to sound a fire alarm gong when a flow of water from the system equals or exceeds that of a single sprinkler. They are designed for use with hydraulic or electric gongs or both.

There are two designs, the differential type and the pilot valve type. The differential type has a rubber-faced clapper with an annular groove in the seat; the pilot valve type has a metal-faced clapper with a pilot valve attached to the clapper arm.

A retard chamber, which minimizes false alarms due to surges and fluctuations in water supply pressure, may be supplied with the alarm valve. If a retard chamber is supplied, *only the listed chamber for a specific manufacturer and valve model shall be used*. Alarm valves are FM Approved with specific trim, and no substitutes or omissions in part or in full are allowed.

Alarms are tested by flowing water through the system test pipe. Pilot valves may be field-adjusted to assure alarm reliability. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Model SDH-AVA

Product Description

Model No	Description	Valve Size		Rated Working Pressure		Remarks
		in	(mm)	psi	(kPa)	
Model SDH-AVA	Alarm Check Valve, Flanged Ends	3, 4, 6	(80, 100, 150)	250	(1720)	a, b, c
Model SDH-AVA	Alarm Check Valve, Flanged Ends	8	(200)	200	(1375)	a, b, c
Model SDH-AVA	Alarm Check Valve, Grooved Ends	3, 4, 6	(80, 100, 150)	250	(1720)	a, b, c
Model SDH-AVA	Alarm Check Valve, Grooved Ends	8	(200)	200	(1375)	a, b, c
Model SDH-AVA	Alarm Check Valve, Flanged x Grooved Ends	3, 4, 6	(80, 100, 150)	250	(1720)	a, b, c
Model SDH-AVA	Alarm Check Valve, Flanged x Grooved Ends	8	(200)	200	(1375)	a, b, c

Remarks:

- a. Resilient seat.
- b. With Model RC9 retard chamber.
- c. Vertical installation only.

Details

Category	Waterflow Alarm System Valves
Class of Work	1041 - Alarm Check Valves
Approval Standard	FM 1041 - Alarm Check Valves
Certification Type	FM Approved
Listing Country	United Kingdom

Company

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Additional Info

Automatic Sprinkler Systems

Valves

System Valves

Waterflow Alarm System Valves

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Alarms are tested by flowing water through the system test pipe. Pilot valves may be field-adjusted to assure alarm reliability. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Valves, Alarm

COMPANY

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Trademark and/or Tradename:  SHIELD® SHIELD®

Note: For additional marking information, refer to the [Guide Information Page](#).

View model for additional information

Alarm Valve, Model(s): [SD-AVA](#), [SD-AVA-300E](#), [SD-AVA-300FGA](#), [SD-AVA-300FGB](#), [SD-AVA-300G](#), [SDH-AVA](#)

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