



EC Declaration of Performance

Wet Alarm Valves Model B, D & E

EC Declaration of Performance

According to EU Construction Products Regulation No. 305/2011

1. Product

Wet alarm valve assemblies

2. Product type

Model B*

**Sizes: DN80, DN100, DN150, DN200
flanged inlet and flanged outlet**

Model D*

**Sizes: DN100, DN150, DN200
flanged inlet and grooved outlet**

Model E*

**Sizes: DN100, DN150, DN200
grooved inlet and grooved outlet**

***With and without Model E retard chamber**

3. Intended use

For use in sprinkler and water spray systems for fire control/suppression in land based buildings and structures.

4. Manufacturer

**Rapdrop Global
Rutland Business Park
Newark Road
Peterborough
PE1 5WA
United Kingdom**

5. System of assessment

System 1

6. Notified body

**BRE Global Assurance (Ireland) Limited
DCU Alpha, Old Finglas Road, Dublin, Ireland
Notified Body number 2831**

7. EC Certificate Number

2831-CPR-S0029



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Wet Alarm Valves

Model B, D & E

Declared properties and performance

Harmonised technical specification

EN 12259-2:1999 with amendments A1, A2, A3

Essential characteristics	Requirement clauses in this standard	Performance
Response delay		
Response time	4.10.1 b)	Complies
Operational reliability		
Rated working pressure	4.3	Complies
Body and cover – Materials - The body and cover	4.4.1.1	Complies
Body and cover - Configuration	4.4.2	Complies
Body and cover - Strength	4.4.3	Complies
Drain	4.5	Complies
Sealing assembly - Access for maintenance	4.6.1	Complies
Sealing assembly - Closing	4.6.2	Complies
Sealing assembly - Materials for seat rings and bearing surfaces	4.6.5	Complies
Sealing assembly elements - waste of water	4.8.1	Complies
Sealing assembly elements – adherence to the mating surface	4.8.2	Complies
Clearances	4.9	Complies
Performance - Alarm and sensitivity characteristics	4.10.1 c), f)	Complies
Performance - Resistance to reverse flow and deformation	4.10.2	Complies
Leak resistance	4.12	Complies
Retard chamber - Rated working pressure	5.1	Complies
Retard chamber - Strength	5.2	Complies
Retard chamber - Strainer	5.3	Complies
Retard chamber - Support	5.4	Complies
Retard chamber - Drain	5.6	Complies
Retard chamber - Access for maintenance	5.7	Complies
Performance parameters under fire conditions		
Sealing assembly - Resistance to damage of sealing assembly	4.6.4	Complies
Performance – Resistance to damage of sealing assembly	4.10.1 a), d), e)	Complies
Performance – Operation	4.10.3	Complies
Performance – Differential pressure ratio	4.10.4	Complies
Pressure loss due to hydraulic friction	4.11	<0.4bar
Durability of response delay		
Sealing assembly - Fatigue resistance of springs and diaphragms	4.6.3	Complies
Endurance	4.13	Complies
Retard chamber - Elements	5.8.1	Complies
Durability of operational reliability; ageing of non metallic comp.		
Non-metallic elements (excluding gaskets and seals)	4.7	Complies
Retard chamber - Non-metallic elements (excl. gaskets and seals)	5.8.2	Complies
Durability of operational reliability; fire exposure		
Body and cover – Materials – cover fasteners	4.4.1.2	Complies

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signature of a person authorized by the manufacturer

Name, position

Rebecca Kesmen, Quality and Supplier Development Manager

Signature 

Issue date, place

03/06/2020, Peterborough, UK