



# Certificate of Compliance

This certificate is issued for the following:

## Automatic Water Control Valves

**Bermad 400Y Series Deluge Valves  
(see listing)**

**Prepared for:**

Bermad Inc.  
9424 W Little York Rd.  
Houston, Texas 77040-3316

FM Approvals Class: 1011/1012/1013, 1020, 1021

Approval Identification: 0003053774  
Superseded by: RR206753

Approval Granted: March 22, 2015  
Revision Date: November 18, 2016

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".

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



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<i>Model</i>	<i>Release Type</i>	<i>Valve Size, inch</i>	<i>Pressure Rating, psi (kPa)</i>	<i>End Connections</i>	<i>Remarks</i>
1M	Hydraulic Controlled	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, i
			365 (2520)	Class #300 flanged Grooved	a, i
2M	Electric Controlled	1-1/2, 2, 2-1/2, 3, 4, 6, 8	175 (1205)	Class #150 or #300 flanged Grooved	a, b, i
			235 (1620)	Class #150 or #300 flanged Grooved	a, c, i
6M	Electro-Pneumatically Controlled	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, d, g, i
			365 (2520)	Class #300 flanged Grooved	a, d, g, i
4M	Pneumatically Controlled	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, g, i
			365 (2520)	Class #300 flanged Grooved	a, g, i
3U	Electric with latching Solenoid valve	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, e, f, i
			365 (2520)	Class #300 flanged Grooved	a, e, f, i
3UM	Electric with Manual Reset	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, d, g, i
			365 (2520)	Class #300 flanged Grooved	a, d, g, i
4UM	Pneumatic with Manual Reset	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, g, i
			365 (2520)	Class #300 flanged Grooved	a, g, i
5M	Hydraulically Controlled, Anti-Columning with Manual Reset	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, h, i
			365 (2520)	Class #300 flanged Grooved	a, h, i



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6U	Electro-Pneumatic with latching Solenoid valve	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, e, f, i
			365 (2520)	Class #300 flanged Grooved	a, e, f, i
6UM	Electro- Pneumatic with Manual Reset	1-1/2, 2, 2-1/2, 3, 4, 6, 8	235 (1620)	Class #150 flanged Grooved	a, d, g, i
			365 (2520)	Class #300 flanged Grooved	a, d, g, i

**Remarks:**

- a. Approved when supplied with a main control valve body in one the following materials: ASTM A536 ductile iron, ASTM A351 stainless steel, ASTM A216 steel, ASTM B148 nickel aluminum bronze, ASTM A351 duplex and ASTM B336 hastelloy
- b. Approved when equipped with an ASCO Model 8210G207 two-way normally closed solenoid valve, 24 V dc, 10.6 W, 1/2 in. NPS orifice
- c. Approved when equipped with a Burkert Model 5282-A two-way normally closed solenoid valve, 24 V dc, 8 W, 1/2 in. NPS orifice including coil that is for Class I, Division 1 locations.
- d. Approved when equipped with a Bermad Model 0370D three-way normally open solenoid valve, 24 V dc, 8 W, 1/4 in. NPS port connection, 1.2 mm inlet orifice and 1.6 mm exhaust orifice
- e. Approved when equipped with a Bermad Model 0370D-LC latching type three-way normally open solenoid valve, 24 V dc, 11 W, 1/4 in. NPS port connection, 1.2 mm inlet orifice and 1.6 mm exhaust orifice
- f. Approved when equipped with a Bermad Model URV pilot valve
- g. Approved when equipped with a Bermad Model URV-M pilot valve
- h. Approved when equipped with a Bermad Model URV-AM pilot valve
- i. Size 1-1/2 inch NPS available with threaded end connections



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