



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Superseded by: RR206753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

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".

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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