



# Statement for Application of directive ATEX 94/9/EC for Equipment and Components intended for Use in Potentially Explosive Atmospheres

Equipment/Component type	<b>Manual Ball Valve</b>  (Two-Piece Ball Valves, Three-Piece Ball Valves, One-Piece Flange Ball Valves, Two-Piece Flange Ball Valves, 3-Way Ball Valves)
Manufactured and submitted for Examination	<b>Mars Valve Co.,Ltd.</b>
Address	No.83, Sec. 1, Chung De 8 <sup>th</sup> Rd., Beitun Dist., Taichung City 406, Taiwan, R.O.C.
Basis for Examination	Annex II of the European directive ATEX 94/9/EC
Standard Basis	<b>EN 1127- 1: 2011 EN 13463- 1:2009</b>
Suitable Area	(GAS) IIB, Zone 1 & 2 (DUST) Zone 21 & 22
Offer Number	114033102
Test Result	After Examination, the equipment was found not to be in the scope of the directive ATEX 94/9/EC. <b>It has no potential ignition sources.</b>

<u>Expert(s):</u>	<u>Title:</u>	<u>Signature:</u>	<u>Date:</u>
Mr. Sean Lee	Project Engineer Explosion Protection Industry Services Greater China		15.10.2015

<u>Reviewer(s):</u>	<u>Title:</u>	<u>Signature/Stamp:</u>	<u>Date:</u>
Mr. Ing. Kristof De Gersem, MSc.	Manager Technical Competence Center Explosion Protection Industry Services Greater China	 	19.10.2015

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**1) Equipment/Component type:**

Type	Model
Two Piece Ball Valves	Series 20/22/24/28
Three Piece Ball Valves	Series 50/50SN/55A/55/55SN/66/70/77/77SN/79/83/83SN/83C/88/88SN
One Piece Flange Ball Valves	Series 91D/99
Two Piece Flange Ball Valves	Series 90/90C/90X/90D/90DX/96D
3-Way Ball Valves	Series 30M/33/33SN/36/39/39M

**2) Description:**

The manual ball valve is intended to be used in pipeline applications to control flow media. They can be used in Explosive Atmospheres (see limitations below). There are five types of the ball valves for various industrial applications. The detailed information is referred to the technical documents and user manual.

**Documentation:** (As referred to the technical documentation file stored at TÜV Rheinland archives.

Nr.	Description	Date	Pages	Version
<b>Manual Ball Valves</b>				
1.	Drawings	Apr. 2015	51	-
2.	Product description	Apr. 2015	8	Rev. 1
3.	User manual Series 88 as the refernce for other models	2014-12-26	6	-
4.	ATEX Valve Hazard Analysis Report	2015-08-27	9	Rev. 1
5.	ISO 9001:2008 Certificate	2015-07-13	1	-
6.	Anti-static test report	2015-07-20	3	-
7.	Name plate drawing	2015-04-14	2	Rev. 1
<b>Material Certificate</b>				
8.	Ball, CF8M	2014-10-22	2	-
9.	Belleville Washer, SS301	2015-03-23	1	-
10.	Body, CF8M	2015-04-29	3	-
11.	Body, WCB	2012-12-04	3	-
12.	End Cap, CF8M	2013-06-21	3	-
13.	End Cap, WCB	2013-08-03	2	-
14.	Handle sleeve, VINYL	2015-07-28	1	-
15.	Handle, SS304	2015-01-05	2	-
16.	O-ring, VITON	-	1	-
17.	Stem, SS316	2013-03-21	1	-
18.	Teflon-50%S.S.+PTFE	2014-06-18	1	-
19.	Teflon-DELRIN	2007-10-23	1	-
20.	Teflon-GRAPHITE-TYPE H/HL	-	2	-
21.	Teflon-PCTFE	-	2	-
22.	Teflon-PEEK	-	1	-
23.	Teflon-PTFE	2014-02-04	2	-

24.	Teflon-RTFE	2014-08-13	1	
25.	Teflon-TFM 1600	2014-03-25	2	-

**3) Technical Data:**

The detailed information: see technical documentation approved.

**4) Marking:**

The suggested marking is with following information's:

- Name / address
- Type / Size
- Serial Number
- Year of manufacturing
- ATEX 94/9/EC Marking:

**No ATEX 94/9/EC marking is allowed (the product is excluded from the directive ATEX 94/9/EC)**

- Suggested Safety Marking:

**For use in** (GAS) IIB, Zone 1 & 2  
(DUST) Zone 21 & 22

**5) Test result, Conditions for the safe Use or safe Application / Application Instructions:**

1. After Examination, the equipment was found not to be in the scope of the directive ATEX 94/9/EC. It has no potential ignition sources.
2. Put the actuators in a clean/cool, non-corrosive place for storage. For a long storage of the actuators, the sealing parts must be verified prior to use.
3. When installed, avoid direct impact to the valve which may damage the valve or produce ignition source in the hazardous area.
4. The user manual shall be observed for installation, maintenance and repair of the equipment.
5. The valves can be used in gas- or dust explosive atmospheres (externally), the equipment is forbidden to be used in a Zone 0, Zone 20 and in Gas zones classified as IIC.
6. The valves may not be used in applications where an explosive atmosphere is present inside.
7. The equipment shall be connected to the grounding system when installed.
8. For other operation conditions or informations, we refer to the user manual provided with the equipment.