

issues

CERTIFICATE

No. **B-32-00574-05**

to

Manufacturer: KE-ARM, s.r.o.
Pekařská 1639/79A, 747 05 Opava
Czech Republic
Company ID No.: 13642511

for

Products: Oxygen ball valves
Type designation: KM 91xx
Versions: Further product specification listed on Page 2

Strojírenský zkušební ústav, s.p. (Engineering Test Institute, public enterprise) hereby certifies that the characteristics of the samples of the products concerned have been found to be in conformity with the requirements specified in

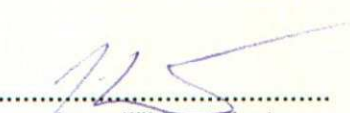
ČSN 13 3060-1:1988, Art. 7 to 9, 14, 15, 17; ČSN 13 3060-4:1993;
ČSN 13 4103:1984, Art. 3, 4, 6, 7; ČSN EN 19:2003, Art. 4.1 to 4.4;
ČSN EN 1503-1:2002; ČSN EN 12266-1:2003, Art. A.2, A.3, A.4;
and with the requirements of KE-ARM's Technical Conditions MP/10, Edition No. 1
valid from 20 September 2005, Art. 5.1, 5.2, 5.4 to 5.7, 5.8.

The present certificate has been issued on the basis of Test Report No. 32-5011 of 16 November 2005, issued by Engineering Test Institute, public enterprise.

The rules for handling the present certificate are specified on page 3.

Brno, 16 November 2005




Ing. Jiří Rozsíval
Deputy Director

Product specifications:

Type	Design	DN	Rated pressure		Body material x	Note
			PN	Class		
KM 9101.X-01	Socket	10 ÷ 50	16 ÷ 100	-	1,3,4,5	ČSN EN ISO 228-1
KM 9101.X-02	NPT socket	10 ÷ 50	16 ÷ 100	-	1,3,4,5	ASME B1-20-1
KM 9101.X-BS-RB	NPT socket	10/6 ÷ 50/40	-	150 ÷ 800	1,3,4,5	ASME B1-20-1, reduced
KM 9101.X-AP-FB	NPT socket	10 ÷ 50	-	150 ÷ 800	1,3,4,5	ASME B1-20-1
KM 9102.X	Screwed coupling	10 ÷ 40	16 ÷ 100	-	1,3,4,5	Outer metric thread
KM 9103.X-01	Welded	10 ÷ 50	16 ÷ 100	-	1,3,4,5	Long construction lengths
KM 9107.X	Inter-flange	15 ÷ 100	16 ÷ 63	-	1,3,4,5	
KM 9108.X-BS-RB	Flange	15/10 ÷ 300/250	-	150, 300	1,3,4,5	Reduced
KM 9108.X-BS-RB	Flange	15/10 ÷ 200/150	-	600	1,3,4,5	Reduced

Main parts: body with a threaded lid, ball, seat, control pivot inserted from the inside of the valve and sealed with O-rings, soft seal (seats made of PTFE, pivot and lid sealed with O-rings made of soft rubber).

Connecting dimensions:

- Flanged: in accordance with ČSN EN 1092-1, DIN 2501, ANSI B 16.5
- Welded: in accordance with ČSN EN 12627, or ČSN 13 1075, ANSI B 16.25
- Threaded: in accordance with ČSN ISO 7-1, ČSN EN ISO 228-1, ASME B1.20-1, BS 21
- Screwed coupling: in accordance with ČSN ISO 724 or according to the Customer's requirements.

The constructions lengths are in accordance with ČSN EN 558-1, ČSN EN 558-2, ANSI B 16.10, BS 2080 or are specified by the Customer's requirement.

Type	Design	DN	Rated pressure		Body material x	Note
			PN	Class		
KM 9101.X	Socket	65 ÷ 100	16 ÷ 100	-	1,3,4,5	
KM 9103.X-01	Welded	65 ÷ 300	16 ÷ 100	-	1,3,4,5	Long construction lengths
KM 9107.X	Inter-flange	125, 150	16 ÷ 63	-	1,3,4,5	
KM 9108.X	Flange	10 ÷ 150	16 ÷ 100	-	1,3,4,5	
		200 ÷ 250	16 ÷ 40	-	1,3,4,5	
KM 9108.X-AP-FB	Flange	15 ÷ 300	-	150, 300	1,3,4,5	
		15 ÷ 200	-	600	1,3,4,5	

Note: The valve designed to feature a drive is labelled as KM 913x

Main parts: body and lid connected with screws and nuts, ball, seat, control pivot inserted from the inside of the valve and sealed with O-rings, soft seal (seats made of PTFE, sealing rings made of special rubber).

Connecting dimensions:

- Flange: in accordance with ČSN EN 1092-1, DIN 2501, ANSI B 16.5
- Welded: in accordance with ČSN EN 12627, or ČSN 13 1075
- Threaded: in accordance with ČSN ISO 7-1, ČSN EN ISO 228-1, ASME B1.20-1 or according to the Customer's requirements.

The constructions lengths are in accordance with ČSN EN 558-1, ČSN EN 558-2, DIN 3357, ANSI B 16.10 or are specified by the Customer's requirement.

Ball valve body and lid materials:

Material sign in the type designation	Type of steel
1	Carbon
3	Stainless (CrNi)
4	Stainless (CrNiMo)
5	Carbon for low temperatures

RULES FOR HANDLING THE CERTIFICATE:

For purposed of placing products on the market, the Certificate may only be used provided that the normative documents stated on Page 1 apply.

The Certificate may only be used as a certificate for the products specified on Page 1 and 2. This holds true also for the use in advertising, promotional and commercial materials. Unauthorised or deceitful use of the Certificate may result in its withdrawal.

It is forbidden to change, amend or overwrite the data contained in the Certificate.

The Certificate may not be used for documenting characteristics of products changed without the consent of the Engineering Test Institute, public enterprise in such a way that conformity with the technical requirements specified on page 1 is affected.

