

CERTIFICATE

No. GF1.1(T)-TA-07-0016

For compliance with the technical requirements in regard of :

TA-Luft 2002, Sec. 5.2.6.4
VDI 2440 Nov. 2000, Sec. 3.3.1.3

Test Report: LT0764074

Date: March 5, 2008.

Client / Purchaser :

**Fromme Armaturen GmbH & Co.KG,
Hauptstrasse 12, D-38275 Haverlah, Germany.**

Manufacturer, Address:

**Suzhou FLEU Valve Co., Ltd.,
No. 9 Huaguang Road, Wujiang Economic Dev. Area,
Wujiang City, 21520 Suzhou, China.**

The valve sealing system was checked in regard of fulfillment of the hermetical criteria of $1,0 \cdot 10^{-4}$ mbar · l / (s · m) by using a Helium Mass Spectrometer.

Test Requirement / Test Result :

Type Designation :	Ball Valve G28 DN 15 PN 40	Ball Valve G27 DN 25 PN 40	Ball Valve G 28 DN 50 PN 40	Ball Valve G 28 DN 80 PN 40
Nominal Diameter / Nominal Pressure :	DN 15 PN 40	DN 25 PN 40	DN 50 PN 40	DN 80 PN 40
Type of Ball Valve	2-Piece, Flanged End, Ball Valve			
Sealing System :	Double Stem Sealing			
Test Temperature/ Test Duration:	RT / 24hr			
Stem Size:	Ø 14 mm	Ø 18 mm	Ø 22 mm	Ø 26 mm
Stem Designation:	10,000	10,000	10,000	10,000
Switching Cycles (frq : 6/min) :	$1,79 \cdot 10^{-6}$	$1,01 \cdot 10^{-6}$	$7,40 \cdot 10^{-7}$	$6,85 \cdot 10^{-7}$

The Valve Sealing System is in compliance with the above mentioned requirements. The test and the classification is based on a type approval and does not include the factory inspection.

(Place, Date)

Taipei, Taiwan
2008-April-15



**TÜV Rheinland Taiwan Ltd.
Industrial Services Division**

Thomas Fuhrmann
Thomas Fuhrmann (Division Director)

APPENDIX

Cert No. GF1.1(T)-TA-07-0016

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The following valve models are qualified through the leakage test. The same stem design and packing material are applied as with the tested model.

2-piece Ball valve

Fig. 751-754-761-764 => DN15~80 PN40

Fig. 752-755-762-765 => DN65~80 PN16

Acc. to Datasheet.

