



CERTIFICATE

Certificate No.: 01 202 USA-TA-08-2911-2
Concerning the Agreement with the Technical Requirements in:

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

Test report: 10102911

Datum: 19 August, 2008

Client / Ordered : AEGIS® Flow Technologies

Manufacturer's Address : 6041 Industrial Drive
Geismar, LA 70734, U.S.A.

The stem sealing system and internal flange connection have been successfully tested to meet the tightness criteria of $\leq 10^{-4}$ mbar x l/(s x m) with a helium mass spectrometer under the following conditions. The LBF Valve with the examined dynamically loaded packing fulfills the requirements of Section 5.2.6.4 of The German Clean Air Act, (TA-Luft), (Leakage Verification) in accordance with Section 3.3.1.3 of VDI 2440 (Rev. 2000).

Kind of Valve:	Aegis® Fully Lined High Performance Ball Valves	
Valve Type:	Series: LBF- 2000	
Sealing System:	Dynamically Loaded PTFE Packing	
Nominal Size, Nominal Pressure:	1.5 inch, ANSI 150/PN16	
Inspection Media/Pressure:	Helium	16 Bars
Switching Cycles (10/min):	10/min.	Total Cycles 3300
Leakage Rate : [mbar · l / (s · m)]	Results	1.1e-6 (in cm³/sec)
Testing Method:	Helium Leak Test – VDI 2440, Appendix A	
Torque Seal of Packing	Proprietary to Aegis® Design	

The examined packing sealing system packing fulfills the standards/test criteria specified above. Basis for this certificate is not a type testing of a representative packing and includes production control.

Columbus, Ohio, USA
August 19, 2008

TÜV Rheinland North America, Inc.
Industrial Services Division

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