CERTIFICATE

Certificate No.: 01 202 USA-TA-08-2911-1

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 : **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 ≤ 10^{-4} mbar x l/(s x m) with a helium mass spectrometer under the following conditions. The BFV Valve with the examined mechanical shaft seals 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 Butterfly Valves**	
Valve Type:	**Series: BFV 8" P-T-V-G-L-A-DA** **BFV 8" T-T-V-G-L-A-DA**	
Sealing System:	**Dynamically Loaded Mechanical Shaft Seals**	
Nominal Size, Nominal Pressure:	**8 inch, ANSI 150/PN16**	
Inspection Media/Pressure:	**Helium**	**16 Bars**
Switching Cycles: (10/min):	**10/min.**	**Total Cycles 3,300**
Leakage Rate : [mbar * l / (s * m)]	**Results**	**1.3e-6 (in cm^3/sec)**
Testing Method:	**Helium Leak Test – VDI 2440, Appendix A**	
Torque Seal of Packing:	**Proprietary to Aegis® Design**	

The examined sealing system 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

Kasuma J. Santos, Jr. – Mech. Engineer