

Industry & Facilities Division **Inspection Certificate**

CERTIFICATE

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

The undersigned, B. H. Juang acting with the scope of the contractual requirements entrusted to Bureau Veritas, certifies that the supply:

Valve Model

: V-158

Valve Type

: Three Pieces Threaded End Ball Valve

Valve Size

: 2 Inch

Pressure Rating

: 1000 WOG

Drawing No.

: V-158T-P005 Rev.02

Body Material

: ASTM A351 Gr. CF8M

Seat Material

: RTFE

Stem Material

: SS 316

Supplied by

: KEVIN STEEL CORPORATION

Tested by Metal Industries Research & Development Centre (MIRDC) and witnessed by Bureau Veritas, per TA-Luft VDI 2440, Sec. 3.3.1.3, Nov. 2000 at Lung-Tan, Taiwan. Verified in conformity with the requirements of the standard mentioned above.

Client

: KEVIN STEEL CORPORATION

Rm. 3, 14F, No.89, Sec. 1, ZhongQing Rd., North Dist., Taichung City 404

Taiwan R.O.C.

Test Date

: Dec. 29~31, 2014

Test Report No.: 10312059-R of MIRDC

The leak tightness tests of ball valves were measured by Helium Leakage Detector. (Model: VS PRO2/Vacuum mode at room temperature). Test result is as below:

Test specimens	Allowable (atm*cc/sec)	Leakage rates (atm*cc/sec)	Operating cycles	Test Pressure	Stem Turning
1000 WOG	6.53x10 ⁻⁶	4.5x10 ⁻⁶	5,000	70.3 kgf/cm ²	24.5 N*m
1000 WOG	6.53x10 ⁻⁶	1.7x10 ⁻⁷	10,000	70.3 kgf/cm ²	24.5 N*m

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Etabli à / Issued at	Le / On	Signé par / Signed by	Signature / Signature
Taipei, Taiwan	Feb. 02, 2015	B. H. Juang	Fife TAIPEI
Certificate No.: TPI14105			
* This certificate must be read in cor	TA IWAT		

* This certificate must be read in conjunction with the test report No. 10312059-R of MIRDC.

^{**} This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the applicant.