



BUREAU
VERITAS

INSPECTION CERTIFICATE

Project : *Fire Test for Soft-Seated Quarter-Turn Ball Valves*

Reference Standard : *API607, Fourth Edition, May 1993*

Client : *SuZhou Fleu Valve Co., Ltd.*

Address : *No.9 Huagang Road, Wujiang Economic Devel. Area, SuZhou, China*

Inspection Date : *15th, August, 2005*

Bureau Veritas certifies that under-noted valves were tested by SuZhou Fleu Valve Co., Ltd. according to API 607 on the inspection date at the request of above manufacturer. Assigned surveyor of Bureau Veritas China (Shanghai) Office witnessed the whole process of the fire tests.

Certificate No. : 05IND-IC1037

Description of Tested Valve : *Soft-Seated Quarter-Turn Ball Valves, see annex*

Versions covered by the Tested type : *See annex*

The valves in this certificate were carried out the fire test in accordance with API 607 fourth edition dated May 1993 in the presence of BV surveyor and all results of the tests were satisfactory.

Made at : BV Office, Shanghai, P.R.C.

On : 18th, October, 2005

Signed by :

Johnson Kan



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



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Annex to the Inspection Certificate N°05IND-IC1037
List of tested and qualified valves

Description (Type)	Valve Tested (Drawing No.)	Valves Qualified
<i>Two- Piece Floating Full-port Ball Valve</i>	<i>Class 150LB(PN20), 1/2"(DN15) Body : ASTM A216 Grade WCB</i>	<i>Class 150LB(PN20), and 300 LB(PN50) Size : 1/4"(DN8) , 3/8"(DN10), 1/2"(DN15), 3/4"(DN20) Any material listed in Table 1 of ASME B16.34</i>
<i>Two- Piece Floating Full-port Ball Valve</i>	<i>Class 150LB(PN20), 1"(DN25) Body : ASTM A216 Grade WCB</i>	<i>Class 150LB(PN20), and 300 LB(PN50) Size : 3/4"(DN20) , 1"(DN25), 1 1/4"(DN32), 1 1/2"(DN40) Any material listed in Table 1 of ASME B16.34</i>
<i>Two- Piece Floating Full-port Ball Valve</i>	<i>Class 150LB(PN20), 2"(DN50) Body : ASTM A216 Grade WCB</i>	<i>Class 150LB(PN20), and 300 LB(PN50) Size : 1 1/2"(DN40) , 2"(DN50), 2 1/2"(DN65), 3"(DN80) Any material listed in Table 1 of ASME B16.34</i>
<i>Two- Piece Floating Full-port Ball Valve</i>	<i>Class 150LB(PN20), 4"(DN100) Body : ASTM A216 Grade WCB</i>	<i>Class 150LB(PN20), and 300 LB(PN50) Size : 3"(DN80) , 4"(DN100), 5"(DN125), 6"(DN150) Any material listed in Table 1 of ASME B16.34</i>

All above tested valves have same material of following components :

- 1. Seat : Filled PTFE*
- 2. Fastener : ASTM A193 Grade B7*
- 3. Packing : PTFE+Graphite*
- 4. Gasket : PTFE+Graphite*

