



**VELOSI INTERNATIONAL
KOREA**



THE WORLDWIDE INSPECTION, EXPEDITING AND PROCUREMENT SPECIALISTS

FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV01RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6D, twentieth edition / API 6FA, third edition / API RP6F, third edition.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE (Glass, Graphite, Carbon), NYLON, PEEK, Metal
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 2", 4", 16"
 Class of Tested : #150
 Other Valves Qualified : (2") – 2", 2-1/2", 3", 4" (4") – 4", 6", 8" (16") – 16" and larger
 According to Size
 Other Valves Qualified : (#150) – #150, #300
 Pressure Ratings

Date of Test : from November 12, 2004 to November 27, 2004
 Validity : 1st of December 2007 ~ 30th of November 2010



Velosi International - Korea
 Date : 1st of December 2007

Hee-Hyun, Kim
 President

The issue of this certificate shall not relieve the Supplier or Manufacturer from any responsibility or such guarantees as may be arranged, nor no interpreted so as in any way to imply acceptance of such goods. Neither shall Velosi Korea be held responsible in any way whatsoever for the technical accuracy and contents of the purchase order.

VELOSI KOREA
Seoul Office
 #505 Seokyo Bldg., 395-166
 Seokyo-Dong, Mapo-Ku, Seoul, Korea
 Tel: 82-2-336 2383/4 Fax: 82-2-336 2385
 E-mail : waytech@chol.com
 waysel@unitel.co.kr

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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV02RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6D, twentieth edition / API 6FA, third edition / API RP6F, third edition.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE (Glass, Graphite, Carbon), NYLON, PEEK, Metal
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 2", 4", 16"
 Class of Tested : #600
 Other Valves Qualified : (2") – 2", 2-1/2", 3", 4" (4") – 4", 6", 8" (16") – 16" and larger
 According to Size
 Other Valves Qualified : (#600) – #600, #900
 Pressure Ratings

Date of Test : from November 12, 2004 to November 27, 2004
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Seoul Office

#505 Seokyo Bldg., 395-166
 Seokyo-Dong, Mapo-Ku, Seoul, Korea
 Tel: 82-2-336 2383/4 Fax: 82-2-336 2385
 E-mail : waytech@chol.com
 waysel@unitel.co.kr

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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV03RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6D, twentieth edition / API 6FA, third edition / API RP6F, third edition.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE (Glass, Graphite, Carbon), NYLON, PEEK, Metal
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 2", 4", 16"
 Class of Tested : #1500
 Other Valves Qualified : (2") – 2", 2-1/2", 3", 4" (4") – 4", 6", 8" (16") – 16" and larger
 According to Size
 Other Valves Qualified : (#1500) – #1500, #2500
 Pressure Ratings

Date of Test : from November 12, 2004 to November 27, 2004
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Seoul Office

#505 Seokyo Bldg., 395-166
Seokyo-Dong, Mapo-Ku, Seoul, Korea
Tel: 82-2-336 2383/4 Fax: 82-2-336 2385
E-mail: waytech@chol.com
waysel@unitel.co.kr

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FIRE TEST CERTIFICATE

Certification No. : **FTC071201-BV04RENEWAL**

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6D, twentieth edition / API 607, fifth edition / ISO 10497 : 2004(E), Second edition.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE, NYLON, PEEK
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 1/2", 1", 2", 4", 8"
 Class of Tested : #150
 Other Valves Qualified : (2") – 2" and below, 2-1/2", 3", 4" (4") – 4", 5", 6", 8" (8") – 6" and larger
 According to Size
 Other Valves Qualified : (#150) – #150, #300
 Pressure Ratings

Date of Test : from November 12, 2004 to November 27, 2004
Validity : 1st of December 2007 ~ 30th of November 2010



Velosi International - Korea
Date : 1st of December 2007

Hee-Hyun, Kim
President

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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV05RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6D, twentieth edition / API 607, fifth edition / ISO 10497 : 2004(E), Second edition.

Manufacturer : HS VALVE CO., LTD.
Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
Product : Ball Valve
Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
Seat – RPTFE, NYLON, PEEK
Coil Spring – INCONEL – X750, 304SS, 316SS
Flat Spring – Tool Steel + ENP Plating
O-Ring – VITON, NBR, HSN, BUNA-N
Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
Operation Method : Lever / Gear / Electric Motor / Pneumatic
Size of Tested : 1/2", 1", 2", 4", 8"
Class of Tested : #600
Other Valves Qualified : (2") – 2" and below, 2-1/2", 3", 4" (4") – 4", 5", 6", 8" (8") – 6" and larger
According to Size
Other Valves Qualified : (#600) – #600, #800, #900
Pressure Ratings

Date of Test : from November 12, 2004 to November 27, 2004
Validity : 1st of December 2007 ~ 30th of November 2010



Handwritten signature of Hee-Hyun Kim

Velosi International - Korea
Date : 1st of December 2007

Hee-Hyun, Kim
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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV06RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with API 6D, twentieth edition / API 607, fifth edition / ISO 10497 : 2004(E), Second edition.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE, NYLON, PEEK
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 1/2", 1", 2", 4", 8"
 Class of Tested : #1500
 Other Valves Qualified : (2") – 2" and below, 2-1/2", 3", 4" (4") – 4", 5", 6", 8" (8") – 6" and larger
 According to Size
 Other Valves Qualified : (#1500) – #1500, #2500
 Pressure Ratings

Date of Test : from November 12, 2004 to November 27, 2004
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Seoul Office
 #505 Seokyo Bldg., 395-166
 Seokyo-Dong, Mapo-Ku, Seoul, Korea
 Tel: 82-2-336 2383/4 Fax: 82-2-336 2385
 E-mail: waytech@chol.com
 waysel@unitel.co.kr

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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV07RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with BS 6755 Part 2, Appendix A and Appendix B.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE (Glass, Graphite, Carbon), NYLON, PEEK, Metal
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 2", 4", 16"
 Class of Tested : #150
 Other Valves Qualified : (2") – 2", 2-1/2", 3", 4" (4") – 4", 5", 6", 8" (16") – 16" and larger
 According to Size
 Other Valves Qualified : (#150) – #150, #300
 Pressure Ratings

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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV08RENEWAL

This is to certify that the following materials have been inspected on random basis by Velosi Korea and found to be satisfactory in the Fire Test in accordance with BS 6755 Part 2, Appendix A and Appendix B.

Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE (Glass, Graphite, Carbon), NYLON, PEEK, Metal
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 2", 4", 16"
 Class of Tested : #600
 Other Valves Qualified : (2") – 2", 2-1/2", 3", 4" (4") – 4", 5", 6", 8" (16") – 16" and larger
 According to Size
 Other Valves Qualified : (#600) – #600, #800, #900
 Pressure Ratings

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FIRE TEST CERTIFICATE

Certification No. : FTC071201-BV09RENEWAL

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Manufacturer : **HS VALVE CO., LTD.**
 Location : #1187-1, Sinsang-Ri, Jinyang-Eup, Kyungsang City, Kyungsangbuk-Do, Korea
 Product : **Ball Valve**
 Material Description : Body · Cap – A216-WCB, A352-LCB & LCC, A351-CF8, CF8M & CF3M, A105, A350-LF2, A182-F304, F316 & F316L
 Ball · Stem – A351-CF8, CF8M & CF3M, A276-304, 316 & 316L
 Seat – RPTFE (Glass, Graphite, Carbon), NYLON, PEEK, Metal
 Coil Spring – INCONEL – X750, 304SS, 316SS
 Flat Spring – Tool Steel + ENP Plating
 O-Ring – VITON, NBR, HSN, BUNA-N
 Type of End : Raised Face Flange, Ring Type Joint, Butt Weld
 Operation Method : Lever / Gear / Electric Motor / Pneumatic
 Size of Tested : 2", 4", 16"
 Class of Tested : #1500
 Other Valves Qualified : (2") – 2", 2-1/2", 3", 4" (4") – 4", 5", 6", 8" (16") – 16" and larger
 According to Size
 Other Valves Qualified : (#1500) – #1500, #2500
 Pressure Ratings

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