



Industrial de Válvulas, S.A. de C.V.  
 Av. de la Industria Lote 16 Fracc. Industrial el Trébol  
 Tepotzotlan, Estado de México C.P. 54600

(Numero) Number **V064B5137**  
 (Fecha) Date **16/07/2007**

## QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

### ASEGURAMIENTO DE CALIDAD CERTIFICADO DE CUMPLIMIENTO

WE CERTIFY THAT THE PRODUCT LISTED BELOW WAS DESIGNED, MANUFACTURED AND TESTED ACCORDING TO OUR QUALITY SYSTEM AND REQUIREMENTS GIVEN IN ONE OR MORE OF THE FOLLOWING STANDARDS:  
 (CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PRABADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES.)

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|--|---|
| API 598<br>API 599<br>ANSI B16-10<br>ANSI B16-34<br>MSS-SP61 | - VALVE INSPECTION AND TESTING<br>- METAL PLUG VALVES - FLANGED, THREADED AND WELDING<br>- FACE TO FACE AND END TO END DIMENSIONS OF VALVES<br>- VALVES - FLANGED, THREADED AND WELDING ENDS<br>- PRESSURE TESTING OF STEEL VALVES        |
| API 6D<br>API 600<br>ANSI B16.11<br>API 602                  | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK<br>- STEEL GATE VALVES - FLANGED AND WELDING ENDS<br>- FORGED FITTINGS, SOCKET - WELDING AND THREADED<br>- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |

**Part No. CB0203A1AAB**  
 (Codigo)  
**Description 2" Fig. 8612 F A105, TH0000B**  
 (Descripción)  
**VALVULA ESFERA DE ACERO**  
 (STEEL BALL VALVE)  
 MANUFACTURED TO MEET NACE MR-01-75 REQUIREMENTS \*FIRE TEST API 6FA, API 607  
 (VALVULA SERVICIO NACE MR-01-75 \*PRUEBA DE FUEGO API 6FA, API 607)

PRESSURE TESTS (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK SEAT	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	2220		1630	1630
PNEUMATIC (PSI) (NEUMATICA)			80	80

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)											MECHANICAL TESTS (PROP. MECANICAS)				
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS CVN@	YIELD 1ST	ELG 2ND	RED 3RD	BHN AVG
<b>BODY</b> CUERPO	063-2731	ASTM A-105N	0.220	0.760	0.021	0.021	0.210	0.030	0.030	0.030	0.001	0.030	0.001	77.94	52.98	38	46	168
HORQUILLA	063-2750	ASTM A-105N	0.210	0.790	0.020	0.020	0.200	0.030	0.040	0.001	0.030	0.001	77.65	53.41	39	47	171	
<b>ENDI</b> EXTREMOS	063-2750	ASTM A-105N	0.210	0.790	0.020	0.020	0.200	0.030	0.040	0.001	0.030	0.001	77.65	53.41	39	47	171	
<b>WEDGE</b> DISCO	B056	ASTM A-105N	0.220	0.830	0.009	0.004	0.230	0.040	0.080	0.031	0.130	0.007	81.28	49.35	35	52	160	