



Industrial de Valvulas, S.A de C.V.  
 Av. de La Industria Lote 16 Fracc. Industrial El Trebol  
 Tepozotlan, Estado de Mexico C.P. 54600

(Numero) Number V07C33687  
 (Fecha) Date 06/11/2007

## 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.)

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

Part No. AC011A09MAA

Description 2" Fig. 5202 F A WCB, API TRIM No. 9 8300000

CAST STEEL GATE VALVE  
 (VALVULA COMPUERTA DE ACERO FUNDIDO)  
 VALVE WITH LOW EMISSION CONTROL  
 (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
	450	450	1	2
HYDROSTATIC (PSD) (HIDROSTATICA)	450	450	N A	
PNEUMATIC (PSD) (NEUMATICA)	80		80	

#### MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUIMICA (%)					TENS	YIELD	ELG	RED	BHN
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ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG	
BONNET	WH1724	ASTM A-216/WCB	0.190	0.862	0.019	0.015	0.510	0.049	0.047	0.026	0.027	0.005		82.36	41.18	32		50	158
BONNET	WH1724	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C																
BODY	XS396	ASTM A-216/WCB	0.230	0.900	0.028	0.023	0.350	0.078	0.090	0.018				73.80	45.09	25		43	167
BODY	XS396	ASTM A-216/WCB	Normalized to (Normalizado a) 920 °C																
WEDGE DISCO	WH11820	ASTM A-216/WCB	0.197	0.881	0.031	0.017	0.482	0.040	0.043	0.023	0.024	0.007	0.000	78.30	45.53	24		45	158
WEDGE DISCO	WH11820	ASTM A-216/WCB	Cooled in air: (Enfri)																
WEDGE DISCO	WH11820	ASTM A-216/WCB	Cooled in air: (Enfri)																

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:   
 Sandra Ruiz