



**WALWORTH**  
Since 1842

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  
(Fecha) Date

V07C8966  
09/11/2007

# 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 PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES.)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES

- PIPELINE VALVES - GATE, PLUG, BALL ANF CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. AC081A12MAB

(Codigo) **8" Fig. 5202 F 3HF WCB, API TRIM No.12 790000M**

Description **CAST STEEL GATE VALVE (VALVULA COMPUERTA DE ACERO FUNDIDO)**  
MANUFACTURED TO MEET NACE MR-01-75-2003 REQUIREMENTS AND LOW FUGITIVE EMISSIONS CONTROL.  
(VALVULA SERVICIO NACE MR-01-75 \*Y CONTROL DE EMISIONES FUGITIVAS 50 PPM'S)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAL)	SIDE (LADO)	
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	315	315
PNEUMATIC (PSI) (NEUMATICA)			80	80

### MECHANICAL TESTS (PROP. MECANICAS)

### CHEMICAL COMPOSITION (%)

### COMPOSICION QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS (KPSI CVN <sub>60</sub> )	YIELD (KPSI 1ST)	ELG (%) 2ND	RED (%) 3RD	BHN AVG
BONNET	WH22417	ASTM A-216/WCB	0.219	0.869	0.033	0.027	0.496	0.027	0.041	0.008	0.052	0.002		79.61	46.40	33	58	155
BONNET	WH22417	ASTM A-216/WCB	Normalized to (Normalizado a) 920 °C															
BODY CUERPO	WH21874	ASTM A-216/WCB	0.214	0.953	0.022	0.010	0.462	0.043	0.058	0.020	0.015	0.005		73.66	52.06	33	41	162
BODY CUERPO	WH21874	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C															
WEDGE DISCO	WH24486	ASTM A-216/WCB	0.210	0.850	0.025	0.020	0.480	0.020	0.068	0.026	0.041	0.005		79.46	49.01	32	57	150
WEDGE DISCO	WH24486	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C															

FACI0-21 REV "2"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: QUALITY ASSURANCE

Santiago Raitz