



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

(Numero) Number **V102C11316**
 (Fecha) Date **20/01/2011**

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)
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 LAST EDITION:

(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 ULTIMA EDICIÓN.)

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

Part No. AC061A08MAB790000M
 (Código) **6" Fig. 5202 F UT WCB, API TRIM No.8 790000**

Description **CAST STEEL GATE VALVE 150 CLASS**
Descripción **(VALVULA COMPUERTA DE ACERO FUNDIDO CLASE 150)**

VALVE MANUFACTURED TO MEET LOW FUGITIVE EMISSION (50 PPM'S MAX) & NACE SERVICE MR-01-75 (VALVULA SEMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS 50 PPM'S MAX.) Y PARA SERVICIO NACE MR-01-75.)

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

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No (COLADA)	MATERIAL (ASTM)	COMPOSICIÓN QUIMICA (%)										TENS	YIELD	ELG	RED	BHN
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V					
BODY CUERPO	WH15479	ASTM A-216-WCB	0.199	0.897	0.033	0.017	0.501	0.045	0.145	0.054	0.029	0.007	KPSI CVN ₅₀	KPSI 1ST	% 2ND	% 3RD	AVG
			Normalized to (Normalizado a) 930			Temper to (Temple a) 650			Cooled in air. (Enfriado en aire.)				76.42	46.11	28	49	167
BONNET BONETE	WH15046	ASTM A-216-WCB	0.205	0.913	0.033	0.018	0.481	0.018	0.033	0.001	0.033	0.005					
			Normalized to (Normalizado a) 930			Temper to (Temple a) 650			Enfriado en aire.				74.24	43.94	29	47	163
WEDGE DISCO	D9610	ASTM A-217/CA15	0.120	0.930	0.028	0.022	0.920	0.460	12.810	0.019	0.032	0.002					
			Normalized a (Normalizado to) 955			Temple a (Temper to) 630			Enfriado en aire. (Cooled in air.)				97.73	72.21	24	47	270

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD CERTIFIED BY: QUALITY ASSURANCE

YOLANDA PONCIANO