



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

(Numero) Number  
 (Fecha) Date

V112R0208  
 27/01/2012

## 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.)

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 AND 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. **AR101A08MAB830000M**  
 (Código)  
 Description **10" Fig. 5341 F UT WCB, API TRIM No.8 830000**  
 Descripción **CAST STEEL SWING CHECK VALVE 150 CLASS**

(VALVULA RETENCIÓN TIPO COLUMPIO DE ACERO FUNDIDO CLASE 150)

VALVE MANUFACTURED TO MEET LOW FUGITIVE EMISSION (50 PPM'S MAX) & NACE SERVICE MR-01-75 (VALVULA SUMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS 50 PPM'S MAX.) Y PARA SERVICIO NACE MR-01-75 / MR0103-2007)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	N A	315	N A
PNEUMATIC (PSI) (NEUMATICA)			N A	N A

### MECHANICAL TESTS (PROP. MECANICAS)

### CHEMICAL COMPOSITION (%) COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										TENS	YIELD	ELG	RED	BHN
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD
BODY CUERPO	WH67316	ASTM A-216/WCB	0.196	0.860	0.036	0.018	0.467	0.052	0.044	0.016	0.034	0.008	80.91	55.54	28	54	173
COVER TAPA	WH67321	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C			Temper to (Temple a) 650 °C			Cooled in air. (Enfriado en aire.)								
WEDGE DISCO	N2955	ASTM A-216/WCB	0.181	0.820	0.035	0.016	0.434	0.045	0.034	0.009	0.033	0.009	78.01	49.01	31	54	166
			Normalized to (Normalizado a) 930 °C			Temper to (Temple a) 650 °C			Cooled in air. (Enfriado en aire.)								
			0.210	0.800	0.022	0.029	0.390	0.044	0.045	0.010	0.028	0.003	73.95	36.69	24	38	159
			Normalized to (Normalizado a) 930 °C			Temper to (Temple a) 650 °C			Cooled in air. (Enfriado en aire.)								

FAC10-21 REV \*3\*

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

Yolanda Ponciano