



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

VHEC1444  
 25/10/2011

## 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.)

API 598  
 API 599  
 ANSI B16-10  
 ANSI B16-34  
 MSS-SP61

- 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

API 6D  
 API 600  
 ANSI B16-11  
 API 602

- PIPELINE VALVES - GATE, PLUG, BALL AND 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. **AC041A08MAB830000+**  
 (Código)  
 Description **4" Fig. 5202 F UT WCB, API TRIM No.8 830000**  
 Descripción **CAST STEEL GATE VALVE 150 CLASS**  
**(VALVULA COMPUERTA DE ACERO FUNDIDO CLASE 150)**

VALVE WITH LOW EMISSION CONTROL (50 PPM'S MAX.) (VALVULA SUMINISTRADA CON CONTROL DE BAJAS EMISIONES FUGITIVAS (50 PPM'S MAX.))

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 (%)			COMPOSICIÓN QUÍMICA (%)											TENS YIELD ELG RED BHN				
ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
BODY	HC0370	ASTM A-216/WCB	0.200	0.880	0.026	0.011	0.430	0.016	0.023	0.027	0.014	0.002		73.95	45.68	30	51	148
CUERPO			Normalized to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C				Cooled in air. (Enfriado en aire.)							
BONNET	HC0375	ASTM A-216/WCB	0.190	0.850	0.025	0.010	0.420	0.017	0.021	0.028	0.014	0.002		72.50	44.95	29	48	149
BONETE			Normalized to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C				Cooled in air. (Enfriado en aire.)							
WEDGE	HC0381	ASTM A-216/WCB	0.200	0.840	0.021	0.009	0.400	0.022	0.046	0.029	0.021	0.001		72.50	44.23	28	46	148
DISCO			Normalized to (Normalizado a) 930 °C				Temper to (Temple a) 650 °C				Cooled in air. (Enfriado en aire.)							

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

Yolanda Ponciano