



**WALWORTH**  
Since 1849

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

V10C775  
29/11/2010

## 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. **GC165C05JRA000ENA0**  
(Código)  
Description **16" Fig. 5262PS WE HF C12A, API TRIM No. 5 000ENA**  
Descripción **PRESSURE SEAL GATE VALVE 1500 CLASS**  
**(VALVULA COMPUERTA PS CLASE 1500)**

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	5625	5625	4125	
PNEUMATIC (PSI) (NEUMATICA)			N A	N A

#### MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%)			COMPOSICIÓN QUIMICA (%)										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 CUERPO	62081010	ASTM A-217/ C12A	0.099	0.419	0.020	0.007	0.375	0.178	7.460	0.923	0.065	0.209		93.00	72.00	28	72	196	
BONNET BONETE	01111010	ASTM A-217/ C12A	0.093	0.382	0.018	0.006	0.315	0.140	8.520	0.931	0.061	0.209		102.00	80.00	27	67	217	
WEDGE DISCO	02051010	ASTM A-217/ C12A	0.098	0.390	0.009	0.003	0.343	0.136	8.420	0.927	0.068	0.212		104.00	83.00	26	51	223	
			NORMALIZED (NORMALIZADO) 1940				TEMPER (TEMPLE) 730				Enfriado en aire								
			NORMALIZED (NORMALIZADO) 1040				TEMPER (TEMPLE) 730												
			NORMALIZED (NORMALIZADO) 1060				TEMPER (TEMPLE) 730												

CERTIFICADO POR:  
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
QUALITY ASSURANCE

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Jessica Garcia