



WALWORTH
Since 1842

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

V09C23579
18/11/2009

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 PRABADO 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. **AC031A08MAA83MW000**
(Código) **3" Fig. 5202 F UT WCB, API TRIM No.8 83MW000**
Description **CAST STEEL GATE VALVE 150 PSI**
Descripción **(VALVULA COMPUERTA DE ACERO FUNDIDO 150 PSI)**

VALVE WITH LOW EMISSION CONTROL (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)
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PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)	
			1	2
HYDROSTATIC (PSI) (HIDROSTATICA)	450	450	N A	N A
PNEUMATIC (PSI) (NEUMATICA)			80	80

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%) COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)										TENS KPSI CVN@	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG			
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V						Cb		
BODY CUERPO	XS409	ASTM A-216/WCB	0.220	0.750	0.025	0.025	0.390	0.067	0.110	0.014										
			Normalized to (Normalizado a) 920 °C			Temper to (Temple a) 650 °C			Cooled in air.(Cooled in air. (Enfr)											
BONNET BONETE	WH20362	ASTM A-216/WCB	0.199	0.952	0.025	0.011	0.429	0.043	0.046	0.018	0.022	0.002								
			Normalized to (Normalizado a) 930 °C			Temper to (Temple a) 650 °C			Cooled in air.(Cooled in air. (Enfr)											
WEDGE DISCO	WH81074	ASTM A-217/CA15	0.126	0.687	0.032	0.014	0.600	0.376	13.500	0.022	0.076	0.001								
			Normalized a (Normalizado to) 970 °C			Temple a (Temple to) 630 °C			Enfriado en aire.(Enfriado en aire. (C)											

FACIO-21 REV "3"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD
CERTIFIED BY: QUALITY ASSURANCE

JESSICA GARCIA