



WALWORTH
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Industrial de Valvulas, S.A de C.V.
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Tepic, Jalisco, Estado de Mexico C.P. 54600

(Numero) Number V07C24946
(Fecha) Date 28/09/2007

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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:
(CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PRUBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES.)

- | | | | |
|-------------|---|-------------|---|
| 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. **AC032A08MAA**

(Codigo) **3" Fig. 5206 F UT WCB, API TRIM No.8 8300000**

Description **CAST STEEL GATE VALVE**
(VALVULA COMPUERTA DE ACERO FUNDIDO)
VALVE WITH LOW EMISSION CONTROL.
(VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
			1 2
HYDROSTATIC (PSI) (HIDROSTATICA)	1125	1125	N A N A
PNEUMATIC (PSI) (PNEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVIN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG		
BONNET BONETE	WH22620	ASTM A-216/WCB	0.200	0.951	0.026	0.013	0.436	0.024	0.042	0.014	0.004	0.006		75.98	45.96	32	59	152		
BODY CUERPO	WH19407	ASTM A-216/WCB	0.214	0.970	0.025	0.011	Temper to (Temple a) 930 °C 0.400	0.042	0.035	0.010	0.030	0.001		75.55	43.65	34	49	151		
WEDGE DISCO	WH81125	ASTM A-217/CA15	0.137	0.659	0.032	0.029	0.636	0.154	12.950	0.032	0.025	0.001	0.000	101.50	69.89	29	42	287		
			Normalizado a (Normalized to) 970 °C																	
			Temple a (Temper to) 630 °C																	
			Enfriado en aire (Enfriado en aire: (C)																	

MECHANICAL TESTS (PROB. MECANICAS)

Sandra Ruiz