



WALWORTH
Since 1841

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

(Numero) Number V07C9059
(Fecha) Date 16/11/2007

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 PROBADO 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 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. AC121A09MAA

(Codigo) 12" Fig. 5202 F A WCB, API TRIM No. 9 83GN000

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

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSID) (HIDROSTATICA)	450	450	315 315
PNEUMATIC (PSID) (PNEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

COMPOSICIÓN QUÍMICA (%)

MECHANICAL TESTS (PROP. MECANICAS)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CVMg	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET BONETE	WH16529	ASTM A-216/WCB	0.204	0.959	0.021	0.024	0.496	0.083	0.068	0.023	0.041	0.005		80.76	53.36	32	58	154
BODY CUERPO	WH63876	ASTM A-216/WCB	0.205	0.823	0.032	0.018	0.464	0.035	0.059	0.007	0.040	0.004		86.71	57.86	32	54	159
WEDGE DISCO	27860	ASTM A-216/WCB	0.240	0.860	0.016	0.009	0.540	0.020	0.140	0.001	0.000	0.000		79.77	41.87	28	45	170

FACIO-21 REV "2"

CERTIFICADO POR:
ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:
QUALITY ASSURANCE

Sandra Ruiz