



WALWORTH
Since 1842

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
(Fecha) Date

V08R4157
03/09/2008

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 CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES ULTIMA EDICION.)

- 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 ANF 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. **AR032A08MAA8300000**

(Codigo) **3" Fig. 5344 F UT WCB, API TRIM No.8 8300000**

Description **CAST STEEL SWING CHECK VALVE**

(VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)

VALVE WITH LOW EMISSION CONTROL (VALVULA SUADMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

PRESSURE TEST (PRUEBAS DE PRESION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	1125	N A	815
PNEUMATIC (PSI) (NEUMATICA)			N A

MECHANICAL TESTS (PROP. MECANICAS)

CHEMICAL COMPOSITION (%) COMPOSICION QUIMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI (CNSI)	YIELD KPSI 1ST	ELG % 2ND	RED % 3RD	BHN AVG	
BODY CUERRO	XSI26	ASTM A-216/WCB	0.200	0.850	0.024	0.023	0.350	0.061	0.100	0.022				76.27	48.57	24	41	167	
WEDGE DISCO	WH81098	ASTM A-217/CA15	Normalized to (Normalizado a) 930 °C	0.137	0.661	0.034	0.023	Temper to (Temple a) 650 °C	0.666	0.091	12.760	0.020	0.024	104.98	74.97	25	48	270	
COVER TAPA	WH25371	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C	0.207	0.886	0.024	0.021	0.458	0.030	0.185	0.030	0.200	0.004	73.95	42.92	29	46	159	
								Temper to (Temple a) 650 °C											

FACIO-21 REV "3"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:

QUALITY ASSURANCE
JESSICA GARCIA