



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

V08R2885  
 11/08/2008

# 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:  
 ESTANDARES ULTIMA EDICION.)

- VALVE INSPECTION AND TESTING
- METAL PLUG VALVES - FLANGED, THREADED AND WELDING
- FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- VALVES - FLANGED, THREADED AND WELDING ENDS
- PRESSURE TESTING OF STEEL VALVES

- API 6D
- API 600
- ANSI B16-11
- API 602

- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
- STEEL GATE VALVES, FLANGED AND WELDING ENDS
- FORGED FITTINGS, SOCKET - WELDING AND THREADED
- COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS

Part No. AR031A12MAA

(Codigo) 3<sup>rd</sup> Fig. 5341 F 3HF WCB, API TRIM No.12 8300000

Description CAST STEEL SWING CHECK VALVE  
 (VALVULA RETENCION TIPO COLUMPIO DE ACERO FUNDIDO)  
 VALVE WITH LOW EMISSION CONTROL. (VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX)

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

## CHEMICAL COMPOSITION (%)

ITEM (PART)	HEAT No. (CO/ADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BODY CIERRO	WH25630	ASTM A-216/WCB	0.191	0.899	0.020	0.009	0.479	0.030	0.076	0.012	0.005	0.005		73.80	45.96	25	49	154
WEDGE DISCO	HD3696	ASTM A-216/WCB	0.200	0.890	0.021	0.020	Temper to (Temple a) 930 °C 0.480	0.021	0.068	0.018	0.030	0.002		76.85	45.82	28	42	172
COVER TAPA	WH21583	ASTM A-216/WCB	0.204	0.946	0.028	0.024	0.420	0.045	0.060	0.037	0.027	0.006		72.79	41.33	34	53	156

## COMPOSICION QUIMICA (%)

## MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

JESSICA GARCIA