



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

(Numero) Number V07R6934  
 (Fecha) Date 26/11/2007

## 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.)

- 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
- PIPELINE VALVES - GATE, PLUG, BALL, ANF 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. **AR011A08MAA**

Description **2" Fig. 5341 F UT WCB, API TRIM No.8 8300000**

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)

<b>PRESSURE TEST</b> (PRUEBAS DE PRESION)	<b>SHELL</b> (CASCO)	<b>BACK</b> (SEAT)	<b>SIDE</b> (LADO)
<b>HYDROSTATIC (PSI)</b> (HIDROSTATICA)	450	N A	315
<b>PNEUMATIC (PSI)</b> (NEUMATICA)			N A

### CHEMICAL COMPOSITION (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W	TENS KPSI CNSI@	YIELD KPSI IST	ELG %	RED %	BHN AVG
<b>BODY</b>	WH8670	ASTM A-216/WCB	0.205	0.924	0.022	0.020	0.471	0.026	0.017	0.013	0.033	0.005	0.000	76.27	76.27	25	49	169
<b>CUERPO</b>																		
<b>WEDGE</b>	HD3525	ASTM A-217/CA15	0.020	0.890	0.019	0.010	0.890	0.044	12.600	0.029	0.015	0.001		100.05	69.45	27	45	277
<b>DISCO</b>																		
<b>COVER</b>	WH19153	ASTM A-216/WCB	0.189	0.986	0.019	0.010	0.402	0.044	0.084	0.014	0.026	0.001		73.23	44.23	30	47	158
<b>TAPA</b>																		

Normalizado a (Normalized to) 970 °C Temple a (Temper to) 630 °C Enfriado en aire (Enfriado en aire. (C) Cooled in air (Cooled in air. (Enfr)

### MECHANICAL TESTS (PROP. MECANICAS)

FACI0-21 REV "2"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:

QUALITY ASSURANCE