



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

(Numero) Number V08G3189  
 (Fecha) Date 03/10/2008

## 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

- 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. AG041A08MAA8300000

(Codigo) 4" Fig. 5275 F UT WCB, API TRIM No.8 8300000

Description CAST STEEL GLOBE VALVE  
 (VALVULA GLOBO 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	450	315 1 2
PNEUMATIC (PSI) (PNEUMATICA)			80 N A

### CHEMICAL COMPOSITION (%)

### COMPOSICIÓN QUÍMICA (%)

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN <sub>60</sub>	YIELD KPSI 1ST	ELG %	RED %	BHN AVG
BONNET	311624	ASTM A-216/WCB	0.210	0.790	0.004	0.001	0.550	0.140	0.150	0.001	0.000	0.000	0.000	79.91	41.01	26	45	163
BONNET	311996	ASTM A-216/WCB	Normalized to (Normalizado a) 930 °C 0.200	0.880	0.009	0.003	Temper to (Temple a) 650 °C 0.450	0.070	0.140	0.002	0.000	0.000	0.000	79.30	45.99	25	44	163
WEDGE DISCO	573-07	ASTM A-276 GR 410	Normalized to (Normalizado a) 930 °C 0.136	0.774	0.025	0.004	Temper to (Temple a) 650 °C 0.619	0.150	12.500	0.035	0.145	0.000	0.000	85.00	75.00	35	50	179

### MECHANICAL TESTS (PROP. MECANICAS)

CERTIFICADO POR:  
 ASEGURAMIENTO DE CALIDAD

CERTIFIED BY:  
 QUALITY ASSURANCE

JESSICA GARCIA