



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

(Numero) Number **V08C21559**
 (Fecha) Date **03/09/2008**

QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

(ACCORDING TO EN10204 TYPE 3.1)
 ASSEGURAMIENTO 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)

- 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. **AC031A08MAA8300000**

(Codigo) **3" Fig. 5202 F UT WCB, API TRIM No.8 8300000**

Description **CAST STEEL GATE VALVE (VALVULA COMPUERTA 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	N A N A
PNEUMATIC (PSI) (NEUMATICA)			80 80

CHEMICAL COMPOSITION (%)

ITEM (PARTES)	HEAT No. (COLADN)	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	COMPOSICIÓN QUIMICA (%)
BONNET	WH22822	ASTM A-216/WCB	0.196	0.896	0.026	0.020	0.518	0.010	0.043	0.040	0.050	0.001		TENS 77.29 YIELD 45.68 ELG 25 RED 49 BHN 162
BONNETE			Normalizado to (Normalizado a) 930 °C											
BODY	WH22992	ASTM A-216/WCB	0.212	0.896	0.026	0.027	0.450	0.001	0.030	0.020	0.020	0.005		TENS 75.55 YIELD 44.81 ELG 27 RED 47 BHN 162
CUERPO			Normalizado to (Normalizado a) 930 °C											
WEDGE	D3836	ASTM A-217/CA15	0.100	0.800	0.021	0.029	0.860	0.520	12.160	0.022	0.045	0.003		TENS 98.75 YIELD 70.62 ELG 28 RED 44 BHN 272
DISCO			Normalizado a (Normalizado to) 970 °C											

MECHANICAL TESTS (PROP. MECANICAS)

FACIO-21 REV "3"

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD

CERTIFIED BY: JESSICA GARCIA

QUALITY ASSURANCE