



Industrial de Valvulas, S.A. de C.V.  
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(Numero) Number **V14M834**  
 (Fecha) Date **15/01/2016**

## QUALITY ASSURANCE CERTIFICATE OF COMPLIANCE

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 DE ACUERDO 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 594 - CHECK VALVES FLANGED, LUG, WAFER AND BUTT WELDING

- 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. DMA0301A10MAA0000000**  
 (Codigo)  
**Description 3" Fig. 1749 F WCB, 000000**  
 Description CAST STEEL PLUG VALVE 150 CLASS  
 (VALVULA MACHO DE ACERO FUNDIDO CLASE 150)

PRESSURE TEST (PRUEBAS DE PRESSION)	SHELL (CASCO)	BACK (SEAT)	SIDE (LADO)
HYDROSTATIC (PSI) (HIDROSTATICA)	450	N A	315 315
PNEUMATIC (PSI) (NEUMATICA)			80 80

CHEMICAL COMPOSITION (%)	COMPOSICIÓN QUÍMICA (%)				MECHANICAL TEST (PROP. MECANICAS)											
	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG

ITEM (PARTE)	HEAT No. (COLADA)	MATERIAL (ASTM)	CHEMICAL COMPOSITION (%)																MECHANICAL TEST (PROP. MECANICAS)			
			C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN@	YIELD KPSI 1ST	ELG %	RED %	BHN AVG				
BODY CUERPO	316963	ASTM A-216 GR WCB Normalized (Normalizado a)	0.240	0.810	0.011	0.011	0.500	0.001	0.060	0.040	0.000	0.000		71.79	43.07	28	49	156				
COVER TAPA	129-13	ASTM A-216 GR WCB Normalized (Normalizado a)	0.214	1.000	0.014	0.005	0.290	0.015	0.013	0.006	0.025	0.003		76.19	50.38	28	0	150				
WEDGE DISCO	1890-6	ASTM A-395	3.600	0.300	0.040	0.003	2.500	0.000	0.000	0.000	0.000	0.000		61.20	41.90	19		170				

CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD  
 CERTIFIED BY: QUALITY ASSURANCE

Yolanda Ponciano

