



WALWORTH
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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. 34600

(Numero) Number V08R3287
(Fecha) Date 03/09/2008

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:
(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 6D | - PIPELINE VALVES - GATE, PLUG, BALL AND CHECK |
| API 599 | - METAL PLUG VALVES - FLANGED, THREADED AND WELDING | API 600 | - STEEL GATE VALVES, FLANGED AND WELDING ENDS |
| ANSI B16-10 | - FACE TO FACE AND END TO END DIMENSIONS OF VALVES | ANSI B16-11 | - FORGED FITTINGS, SOCKET - WELDING AND THREADED |
| ANSI B16-34 | - VALVES - FLANGED, THREADED AND WELDING ENDS | API 602 | - COMPACT STEEL GATE VALVES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS |
| MSS-SP61 | - PRESSURE TESTING OF STEEL VALVES | | |

Part No. **AR061A08MAA8300000**

(Codigo) **6" Fig. 5341 F UT WCB, API TRIM No.8 8300000**

Description **CAST STEEL SWING CHECK VALVE (VALVULA RETENCION TIPO COLLUMPIO 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 (PSD) (HIDROSTATICA)	450	N A	315 N A
PNEUMATIC (PSD) (NEUMATICA)			N A N A

CHEMICAL COMPOSITION (%)

ITEM (PARTE) (COLADA)	HEAT No. (ASTM)	MATERIAL	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	Cb	TENS KPSI CVN ₆₀	YIELD KPSI 1ST	ELG %	RED %	BHN AVG	
BODY CUERPO	WH19094	ASTM A-216/WCB	0.197	0.990	0.010	0.025	0.462	0.041	0.055	0.011	0.022	0.001		83.52	42.34	34	52	151	
WEDGE DISCO	WH81320	ASTM A-217/CA15	Normalized to (Normalizado a) 930 °C 0.138	0.710	0.025	0.015	0.647	0.112	12.660	0.015	0.010	0.026		97.73	72.21	23	38	286	
COVER TAPA	XSI36	ASTM A-216/WCB	Normalized to (Normalizado to) 970 °C 0.180	0.860	0.030	0.024	Temple a (Temper to) 630 °C 0.410	0.070	0.090	0.014				73.22	45.82	25	41	168	
			Normalized to (Normalizado a) 920 °C				Temper to (Temple a) 650 °C												

MECHANICAL TESTS (PROP. MECANICAS)

CERTIFIED BY:
JESSICA GARCIA