WALWORTH

Industrial de Válvulas, S.A. de C.V.

Av. Industria 16,
Fraccionamiento Industrial El Trébol
Tepotzotlán, Edo. de México, 54600.

SERIAL NUMBER: V02C14627
DATE: 09 JAN 03

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 STANDARS:

API 6D	- PIPELINE VALVES - GATE, PLUG, BALL AND CHECK
API 600	- STEEL GATE VALVES - FLANGED AND BUTT-WELDING ENDS
API 598	- VALVE INSPECTION AND TESTING
API 599	- METAL PLUG VALVES - FLANGED AND WELDING ENDS
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

PART. No.: 2578JP

DESCRIPTION: 3" FIG. 5202 F UT WCB, API TRIM No. 8
VALV. COMP. DE ACERO FUND.

VALVULA SUMINISTRADA CON CONTROL DE EMISIONES FUGITIVAS A 50 PPM'S MAX

PRESSURE TESTS	SHELL	BACK SEAT	1ST SIDE	2ND SIDE
HYDROSTATIC (PSI)	450	450	N A	N A
PNEUMATIC (PSI)			80	80

		CHEMICAL COMPOSITION (%)													MECHANICAL TESTS				
															TENS	YIELD	ELG	RED	BHN
ITEM	HEAT No.	MATERIAL (ASTM)	C	Mn	P	S	Si	Ni	Cr	Mo	Cu	V	W		KPSI CVN@	KPSI 1ST	% 2ND	% 3RD	AVG
CUERPO	RGK4	A 216 WCB	0.200	0.870	0.016	0.011	0.470	0.030	0.040	0.010	0.020	0.010			78.70	48.34	29.8	49.6	163
BONETE-TAPA	RG41	A 216 WCB	0.210	0.880	0.190	0.011	0.520	0.020	0.040	0.010	0.030	0.013			79.09	49.34	28.8	50.0	167
CUNA-DISCO-TAPON	ZS	A 217 CA15	0.110	0.720	0.021	0.013	1.090	0.380	12.610	0.210					104.20	76.60	19.6	37.8	223

CERTIFIED BY: Jorge Soto
QUALITY ASSURANCE

FAC10-21 REV. "1"