



# WALWORTH®

Industrial de Válvulas, S.A. de C.V.  
 Av. de la Industria Lote 16 Fracc. Industrial el Trébol  
 Tepotzotlán, Estado de México C.P. 54600

(NUMERO) NUMBER:

(FECHA) DATE:

156/2005  
 20/01/2005

## QUALITY ASSURANCE (ASEGURAMIENTO DE CALIDAD) CERTIFICATE OF COMPLIANCE (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:

CERTIFICAMOS QUE EL PRODUCTO LISTADO ABAJO FUE DISEÑADO, FABRICADO Y PROBADO DE ACUERDO CON NUESTRO SISTEMA DE CALIDAD Y CON REQUISITOS ESTABLECIDOS EN UNO O MAS DE LOS SIGUIENTES ESTANDARES

- ANSI B16.11 - FORGED FITTINGS, SOCKET - WELDING AND THREADED
- API 602 - COMPACT STEEL GATE VALES - FLANGED, THREADED, WELDING AND EXTENDED - BODY ENDS
- API 598 - VALVE INSPECTION AND TESTING
- ANSI B16.10 - FACE TO FACE AND END TO END DIMENSIONS OF VALVES
- ANSI B16.34 - VALVES - FLANGED, THREADED, AND WLDING ENDS
- MSS-SP61 - PRESSURE TESTING OF STEEL VALVES

PART. No.: 01609C  
 (CODIGO)

DESCRIPTION: 1 1/2" FIG. 5540 SM UT A105, API TRIM No.8  
 (DESCRIPCION) FORGED STEEL PISTON CHECK VALVE (VALVULA RETENCION TIPO PISTON DE ACERO FORJADO)

VALVE WITH LOW EMISSION CONTROL

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

| PRESSURE TESTS<br>(PRUEBAS DE PRESION) | SHELL<br>(CASCO) | BLACK<br>SEAT | SIDE (LADO) |      |
|--|------------------|---------------|-------------|------|
|  |                  |               | 1           | 2    |
| HYDROSTATIC (PSI)<br>(HIDROSTATICA)    | 2970             | N A           | N A         | 2175 |
| PNEUMATIC (PSI)<br>(NEUMATICA)         |                  |               | N A         | N A  |

INVOICE 54236 ITEM 22 QTY 15  
 (FACTURA) (PARTIDA) (CANTIDAD)

| ITEM<br>(PARTE)  | HEAT<br>No.<br>(COLADA) | MATERIAL<br>(ASTM) | CHEMICAL COMPOSITION (%)<br>(COMPOSICION QUIMICA) |             |          |          |       |       |       |       |       |       |  | MECHANICAL TESTS (PROP. MECANICAS) |       |     |     |       |       |      |      |     |
|------------------|-------------------------|--------------------|---|-------------|----------|----------|-------|-------|-------|-------|-------|-------|--|------------------------------------|-------|-----|-----|-------|-------|------|------|-----|
|                  |                         |                    | C Mn P S Si Ni Cr Mo Cu V Cb N                    |             |          |          |       |       |       |       |       |       |  | TENS                               | YIELD | ELG | RED | BHN   |       |      |      |     |
|                  |                         |                    | KPSI<br>CVN@                                      | KPSI<br>1ST | %<br>2ND | %<br>3RD | AVG   |       |       |       |       |       |  |                                    |       |     |     |       |       |      |      |     |
| BODY<br>(CUERPO) | CAH                     | A 105M             | 0.220   | 0.839       | 0.012    | 0.010    | 0.227 | 0.090 | 0.110 | 0.000 | 0.110 | 0.000 |  |                                    |       |     |     | 71.77 | 47.85 | 26.0 | 48.0 | 170 |
| YOKE<br>(YUGO)   | CAK                     | A 105M             | 0.200   | 0.750       | 0.020    | 0.008    | 0.240 | ---   | ---   | ---   | ---   | ---   |  |                                    |       |     |     | 70.22 | 48.57 | 28.0 | 50.0 | 170 |

CERTIFIED BY:   
 QUALITY ASSURANCE  
 CERTIFICADO POR: ASEGURAMIENTO DE CALIDAD