

CERTIFICATE OF COMPLIANCE

Quarter-Turn Valve Fire Test

Bray Valve & Controls

13333 Westland East Blvd
Houston, Texas 77041
281.894.5454

TESTING STANDARD

**Fire Test for Soft-Seated
Quarter Turn Valves**
API STANDARD 607
FOURTH EDITION, MAY 1993

American Petroleum Institute
1220 L Street, Northwest
Washington D.C. 20005

TEST VALVE

Valve Specifications	Valve Materials
Type: H.P.B.V.	Body: Carbon Steel A216 Gr WCB
Series No.: 41	Disc: Stainless Steel A351 Gr CF8M
Valve Size: 8 inch	Seat: RPTFE / Inconel 718
Class: ANSI 150	Stem: Stainless Steel 17-4 PH
Operator: Handle	Stem Seal: Flexible Graphite Rings

TEST REPORT

Test Title	
Fire Test Per API Specification 607 4th Edition, May 1993 8" ANSI Class 150 H.P.B.V. Bi-directionally Tested and Witnessed	
Test Report No.: TR20105 / TR20106	Test Date: March 24, 1997 / March 31, 1997

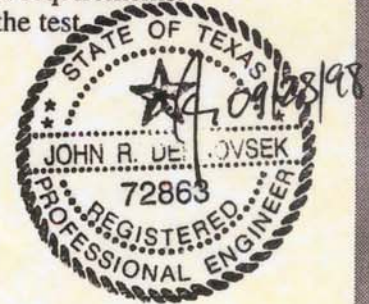
TEST RESULTS

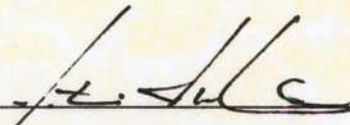
Mr. Martin J. Nilsen did officiate, review and record data on the comprehensive fire test prepared for Bray Valve & Controls.

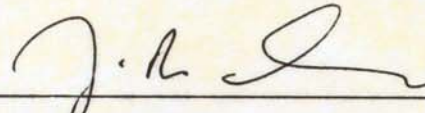
Testing was conducted to a successful conclusion per API 607 4th Edition requirements. Continuous computer monitoring in realtime was performed throughout the test.

TEST FACILITY LOCATION

McCanna Corporation
400 Maple Avenue
Carpentersville, Illinois 60110




Martin J. Nilsen, Quality Assurance Manager
McCanna Corporation


John R. Dernovsek, PE, Chief Engineer
Bray Valve & Controls