

CERTIFICATION OF PRODUCTS

EU DIRECTIVE 97/23/EC ON PRESSURE EQUIPMENT



ASSESSMENT REPORT

Name and address of Manufacturer: Total Valve Systems, 1300 Memphis St. Broken Arrow, OK.	
Location for assessment/audit (Manufacturer/ Sub-supplier etc)	Total Valve Systems 1300 Memphis St. Broken Arrow, OK. 74012
Equipment category: Category II	ZNWNO416 Case No.:
Name/Type designation: (EC Design/Type Examination Certificate No. if applicable)	2 Inch Excess Flow Valve ANSI Class 300
Manufacturers representative:	Gayle Peltier
DNV Lead Auditor/Project	Mike Norman (DNV Calgary) Project No. PRJC-219410-2010-PRC-USA
DNV Branch Expert:	Curtis Haworth (DNV Houston) Project No. EP020392

Document Review/Verification

Date initial review: 3/23/10	No. of Non Conformity Notes:
Documents: Technical File Review consisting of: ESR Checklist Manufacturer's Hazard Analysis Manufacturer's Declaration of Conformity Manufacturer's Operation and Installation Manual	Comments: A cursory review was conducted on the Technical File documentation and was found to contain the Essential Safety Requirement Checklist, the Hazard Analysis, FEA analysis of the valve assembly and the Manufacturer's Declaration of Conformity.
Date follow-up: 3/26/10	Result:


Audit/Verification

Date initial audit/verification:	No. of Non Conformity Notes:
Covered: 2 inch Excess Flow Valves, ANSI Class 300. Manufacturer's SN 1175-5-1 & 1175-5-2	Comments: Hydro-testing was performed on a sample of the product on the main pressure body at 1.5 times the mawp. The CE Mark was examined on the valve assembly and found to contain the information as detailed in Annex VI. The material test reports were reviewed for the main pressure containing components and were found to meet the requirements of Annex I section 4.3 and guideline WPG 7/2.
Date follow-up:	Result:


Conclusion

The equipment has been examined with respect to the procedure of conformity assessment as described in module:
 A1 C1 D D1 E E1 F G H H1

The manufacturer complies with the Council Directive 97/23/EC on Pressure Equipment.

DNV Local Station: Date: 26 March 2010 Sign: *Curtis Haworth* 

The manufacturer is allowed to affix to the product the CE Mark followed by the DNV identification number 0575, and issue a Declaration of Conformity.

DNV ZNYNO416:
(Notified Body) Date: 5 APR 2010 Sign: *M. [Signature]* 

Enclosures

Assessment Checklist: <input checked="" type="checkbox"/> Dated 26 March 2010	Product Specific Checklist: <input type="checkbox"/> Dated
Non Conformity Notes: <input type="checkbox"/> Dated	Declaration of conformity: <input type="checkbox"/> Dated