

## Read Book Shell Spe 77 312 Valve Engineering Eng Tips

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### **Shell Spe 77 312 Valve**

The valve has been tested according to Duxvalves test instructions and SPE 77/312 rate A(HS), revision August 2010. As requested by Duxvalves, an additional 4500 cycles were performed which brings the total amount of mechanical cycles to 5000. Test has been witnessed by Mr. P. Deleu

### **Duxvalves | Valve serviceDuxvalves | Valve service**

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77 312 Valve Allowable leak rate SPE 77/312 class A(HS) Stem seal Bonnet gasket Test results  $1.4 \times 10^{-5}$  atm $\cdot$ cm<sup>3</sup> $\cdot$ s<sup>-1</sup> (80mm x 1.76110-7 atm $\cdot$ cm<sup>3</sup> $\cdot$ s<sup>-1</sup>) 8010-6 atm $\cdot$ cm<sup>3</sup> $\cdot$ s<sup>-1</sup> (145mm x x 1.76110-8 atm $\cdot$ cm<sup>3</sup> $\cdot$ s<sup>-1</sup>) During the test for all possible leak paths no leakage has been found exceeding ...

### **Shell Spe 77 312 Valve Engineering Eng Tips**

SPE 77/312 specifies for on/off valves fewer mechanical cycles than ISO/CD 15848-1/2. For production acceptance testing of Shell tightness class B and C valves, Shell considers FE testing at ambient temperature to be sufficient.

### **Valve fugitive emission measurement standards - ScienceDirect**

To minimize and control leaks at process facilities, BSM Valves can carry out leak detection on the valves with a fugitive emission test, according to ISO 15848-1 and 2, Shell SPE 77/300,

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Shell SPE 77/312, TA Luft, API 622 and many more. Valves will be tested with helium tracer gas and any leakage can be measured with a mass spectrometer, using a sniffing test or vacuum technique.

### **Fugitive Emission Testing | Welcome to BSM Valves**

mesc spe 77/300: "procedure and technical specification for type ACCEPTANCE TESTING (TAT) OF INDUSTRIAL VALVES" ( December 2008 ) MESC SPE 77/312: "FUGITIVE EMISSION PRODUCTION TESTING

### **Qualification Standards on Performance Type Testing for**

...

priya17385, you probably refer to Shell document MESC SPE 77/312 about "INDUSTRIAL VALVES - MEASUREMENT TEST AND QUALIFICATION PROCEDURES FOR FUGITIVE EMISSIONS (FE)".

About that specification, first of all, I'd suggest you to read

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thread408-64093: Shell SPE 77/312 within this Forum.

### **FE Class A and Class B Production Testing on Valves ...**

Valve Fugitive Emission Standards •ANSI/ISA S93.00.01 •ANSI / FCI 91-1 •TA-Luft VDI 2440 •ISO-15848-1 and -2 •Shell SPE 77/300 •Shell SPE 77/312 •API-622 •API-624 (pending)  
•ChevronTexaco •And more to follow...isn't this too much already....why? 6

### **2012 VMA Technical Seminar - ITIS**

This MESC SPE supersedes Shell Global Solutions documents T-2.973.873, T-2.253.730, T-1.714.355 and T-2.253.657 and incorporates the requirements of MESC SPE 77/31228- Feb-2005 for fugitive emissions prototype testing. This MESC SPE number is cited in every valve MESC Buying Description and is therefore applicable to all valve purchases using MESC.

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### **SHELL MESC SPE 77-300-A-2017\_00000stdlibrary.com**

The current Shell specification regarding type acceptance testing (TAT) is MESC SPE 77/300 which also includes fugitive emission requirements; MESC SPE 77/312 still stands as an amendment to ISO 15848-2, applicable to production testing only. Hope this helps, 'NGL

### **Valve Manufacturers qualified in accordance with Shell SPE ...**

- Low Temperature Testing of all types of valves for Cryogenic Service at temperatures down to  $-196^{\circ}\text{C}$  in accordance with National standards; typically: BS EN1626 and BS6364, Shell SPE 77/306 and 77/200 - Fugitive Emissions - Prototype/Production Testing standards and specifications include BSEN 15848 and Shell SPE 77/312.

### **Valves Services | Testing & Modifications - Online Valves**

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## **Ltd**

All our testing is carried out in accordance with ISO 15848 or Shell SPE 77/312 and 77/300 under the most stringent safety conditions. Fugitive emissions testing is designed to identify leakage in critical components using helium as the primary trace gas with a helium mass spectrometer measuring any leakages.

## **Fugitive Emissions Testing - Vaseco**

Tested and approved to Shell MESC SPE 77/312 class a for series 110 and class b for series 200. Meets the leakage performance of BS EN ISO 15848-2 class A. FaCe To FaCe sTaNdarD asMe B16.10/Bs eN 558 Class 150 Nps DN short long

## **KTM Hindle Series 110 and 200 Ultra-Seal ball valves**

MESC SPE 77/110 February 2018 Page 8 5.2.11.12 Add If specified by the Principal, the valve shall be equipped with an actuator. The valve manufacturer shall - Verify that the actuator

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manufacturer has reviewed the information supplied by the valve manufacturer. Ensure that the valve stem design takes into account a safety margin based on the m

### **SHELL MESC SEP 77-110-2018** [stdlibrary.com](#)

ANTI-BLOWOUT STEM All Starline ball valves guarantee a full tightness in accordance with the most stringent fugitive emission testing requirements such as ISO 15848 and Shell SPE 77/312). Starline valves covers rate B of both specification as standard execution and RATE A is available on request. FUGITIVE EMISSION REQUIREMENTS SLOW EMISSION

### **Starline - Trunnion Ball Valves**

SPE 77/300 dated September 2010 has been accepted by Shell Global solutions International B.V. based on successfully Type Acceptance Testing (TAT) result of: DN50 FB class 1500; trunnion mounted Ball valve with MESC - 77.02.4X.708.1 (Item-1) DN50

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FB class 2500; trunnion mounted Ball valve with MESC -  
77.02.4X.758.1 (Item-2)

## **CERTIFICATE OF CONFORMITY - Global Supply Line | Valve**

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The gland is of two piece self aligning type Back seat arrangement for Gate and Globe Valves. Valves meet the requirements of fugitive emission levels Shell category B as per MESC SPE 77 / 312

## **Forged Valve | SAP Industries Ltd. | Wisdom in flow ...**

Tested and approved to Shell MESC SPE 77/312 class A up to DN 40, NPS 1½ and class B for sizes DN 50, NPS 2 and above. Meets the leakage performance of BS EN ISO 15848-2 class A. METAL SEATED DESIGN FEATURES

## **KTM HINDLE ULTRA-SEAL BALL VALVES SERIES 300**

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Part 2: Production acceptance test of valve assemblies, on-off valves. Part 3: Production acceptance test of valve assemblies, control valves. Shell MESC SPE 77/312: Industrial valves: fugitive emission (FE) measurement, classification system, qualification procedures and prototype and production tests of valves.

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