

**API Standard 607 Fourth Edition**  
**Fire Test Report**

*Performed for*

**Flexitallic L.P.**  
6915 Highway 225  
Deer Park, TX 77536-2414  
USA

[www.flexitallic.com](http://www.flexitallic.com)



**TH715**  
**6 inch Class 300 Gaskets**  
Project Number: 20466  
July 2004



*Performed by*

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**YARMOUTH RESEARCH AND TECHNOLOGY**

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# Yarmouth Research and Technology

## API 607 4th Edition Fire Test Data

Customer: Flexitallic	Date: 7/28/2004
Project Number: PN20466	
Specification: API 607 4th Edition	
Product Code: TH715	
Flange Mfgr: Weldbend	Nut Mfgr: Shih Hsang
Bolt Mfgr: Alloy & Stainless Fasteners VA	
Comments: New bolts/nuts, Used but good condition flanges.	
YRT Technician: Matthew J. Wasielewski, P.E.	

### Bolt Torques (ft-lbs)

Bolt Location	At Start of Test	At End of Test
Upstream #1	200	100
Upstream #2	200	80
Upstream #3	200	80
Upstream #4	200	100
Downstream #1	200	80
Downstream #2	200	80
Downstream #3	200	90
Downstream #4	200	100

### Fire and Cooldown Data:

Start Time:	2:36 PM	(EST)
Average Test Pressure:	29.6	psig
Combined Leak Rate of Both Gaskets:	0.3	ml/min
Allowable Leakage:	150	ml/min
Is Leakage Below Allowable?:	YES	

### Post Burn Leakage Test

Start Time:	3:16 PM	(EST)
Average Test Pressure:	30.0	psig
Leak Rate Side A:	0.4	ml/min
Leak Rate Side B:	3.6	ml/min
Combined Leak Rate of Both Gaskets:	4.0	ml/min
Allowable Leakage:	150	ml/min
Is Leakage Below Allowable?:	YES	

Does Gasket Pass API 607 Leakage Requirements?:	YES
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Witnesses

