



DET NORSKE VERITAS  
ITALIA S.r.l.

## TECHNICAL REPORT

RAPPORTO No. : IND 080478  
File No. 86010136

DATA : 10 - 11 - 2008

DATE : 10 - 11 - 2008

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Client/ / Sponsor ref. : DAFRAM S.p.A. Via Tito Vignoli 9, 20149 Milano ITALY

**Summary :** TRUNNION BALL VALVE MODEL TR15JB DN 250 x 200 ( 10" x 8" ) CLASS 1500  
Lbs. DRG No. AF000797 / Rev. A

Valve body material: Carbon steel ASTM A352 Gr. LCC

We hereby certify that the aforementioned valve successfully passed the fire in accordance with API 607 fifth edition June 2005, UNI EN ISO 10497:2004, API 6FA April 1999, BS 6755 Part 2 1987.

**Title of report :**

FIRETEST OF DAFRAM S.p.A.

API 607 fifth edition June 2005, UNI EN ISO 10497:2004, API 6FA April 1999, BS 6755 Part 2 1987.

TRUNNION BALL VALVE MODEL TR15JB

DN 250 x 200 ( 10" x 8" ) ANSI 1500 Lbs

Place of production : DAFRAM spa S.S. 78 Km 6 62010 Urbisaglia ( MC ) Italy

**Work Carried Out By :**

*Surveyor*

*Roberto Ciferri by DNV Milan*

**On :** Urbisaglia ( MC ) Italy 10/11/2008

**Signature by:**

**Approved by:**

*Inspection responsible*

*M. Rota Gelpi*

**On :** Milan Italy

**Signature by:**

Continue Attestation



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### APPLICABLE DOCUMENT:

- Standard ref. API-607 5<sup>th</sup> Edition 2005
- Manufacturer Drawing AF000797 Rev. A

### VALVE MATERIAL AND COMPONENTS DESCRIPTION:

|              |                         |
|--------------|-------------------------|
| Body         | ASTM A352 Gr. LCC       |
| Ball         | ASTM A182 Gr. F51       |
| Seats        | Nylon                   |
| Others seals | FKM - Expanded Graphite |

### VALVE TECHNICAL CHARACTERISTICS:

|        |                                        |
|--------|----------------------------------------|
| Rating | Class 1500                             |
| Size   | DN 250 x 200 ( 10" x 8" ) Reduced bore |
| Weight | About 1010 Kg                          |

### TEST CARRIED OUT IN OUR PRESENCE:

Fire test performed in compliance with Standard API-607 5<sup>th</sup> Edition June 2005 at manufacturer workshop with following results

| Description                                     | Max values acceptable | Values obtained |
|-------------------------------------------------|-----------------------|-----------------|
| External leakage (burning period and cool-down) | 32.000 ml             | 0 ml            |
| Through-valve seat leakage (burning period)     | 96.000 ml             | 0 ml            |
| External leakage (after operating)              | 1.000 ml              | 0 ml            |

### QUALIFIED VALVES:

As per Paragraph 7.2 - 7.3 - 7.4 of the Standard reference the tested samples, also other valves as follow:

|                  |                   |
|------------------|-------------------|
| Pressure Class   | 1500 - 2500       |
| Nominal Diameter | 8" and larger     |
| Body Materials   | See paragraph 7.2 |

Continue Attestation