

Hereby the **TIEMME RACCORDERIE SpA**, a manufacturer of systems fittings, manifolds, pipes, valves, and products for hydro-thermo-sanitary and gas, whose quality system complies with the standard ISO 9001:2008 **Certificate KIWA No. 13738-A**, in accordance with the requirements of EU Regulation No. 305/2011 (ex 89/106/EEC) DECLARE the following:

BALL VALVES FOR GAS: TORNADO

Art. 2370G to 2381G





MADE IN ITALY

TABLE: 1

1	<i>Unique identification code of the product-type:</i>	code: 2370G to 2381G product type: TORNADO
2	<i>Intended use/es:</i>	Manual operated ball valves for gas installation for buildings; using gases of class 1, 2 and 3 according to EN437
3	<i>Manufacturer:</i>	Tiemme Raccorderie S.p.A. Via Cavallera 6/A – 25045 Castegnato (BS) Italy
4	<i>Authorised representative:</i>	Not applicable
5	<i>System/s of AVCP:</i>	System 1
6a	<i>Harmonised standard: Notified body/ies:</i>	EN 331:1998 / A1:2010 Engineering Test Institute Notified Body 1015 Hudcova 56b - CZ-621 00 Brno Czech Republic
6b	<i>European Assessment Document: European Technical Assessment: Technical Assessment Body: Notified body/ies:</i>	Not applicable
7	<i>Declared performance/s:</i>	Not applicable
8	<i>Appropriate Technical Documentation and/or Specific Technical Documentation:</i>	See TABLE 2 page 2/2:

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

TABLE: 2

<div style="text-align: center;">   TIEMME RACCORDERIE S.P.A. Via Cavallera 6/A – 25045 Castegnato (BS) – Italy tel. ++39 030 2142211 - fax ++39 030 2142206 - info@tiemme.com - www.tiemme.com </div>	
2013 1015-CPR-E-30-00847-13	
<p style="text-align: center;">EN 331:1998/A1:2010 Manually operated ball valve TORNADO – Art. 2370G to Art. 2381G Gas family: 1, 2, 3 Pressure class: MOP 5 Nominal size: DN 15-20-25-30-40-50 Temperature class: -20 °C to 60 °C</p>	
Rated Flow rate:	5 to 65 m ³ /h
Dimensional tolerances:	pass
Internal pressure:	
-) pressure class:	5 x 10 ⁶ Pa
-) leak-tightness	≤ 20 cm ³ /h
Tightness (gas):	
-) leak-tightness	≤ 20 cm ³ /h
Effectiveness:	
-) rated flow rate:	DN15: 5 m ³ /h DN20: 10 m ³ /h DN25: 16 m ³ /h DN30: 27 m ³ /h DN40: 40 m ³ /h DN 50: 65 m ³ /h
Resistance to high temperature:	
(for heating networks)	Leakage rate ≤ 150 dm ³ /h at 650 °C for 30 min
Mechanical strength (for gas networks):	
-) torque and bending	Pass
-) operating torque	Pass
Safeguard against overloading of handle (for gas networks):	
-) stop resistance	PASS
Release of dangerous substances:	
ppm	No
Durability:	
-) endurance	Pass
-) resistance to low temperature	Pass
-) salt spray resistance	Pass
-) resistance to humidity	Pass

Signed for and on behalf of the manufacturer by Tiemme Raccorderie SpA

Giuliano Gnutti – President

Castegnato 22 July 2019

