TÜV NORD Italia Srl

Scope of approval for material manufacturer acc. to Pressure Equipment Directive 2014/68/EU, annex I, sec. 4.3

Details of the Validity of the Approval as Manufacturer of Materials in accordance to Directive 2014/68/EU Annex I §4.3

Firm: **FONDERIA SA.BI S.p.A.** **Annex to certificate** **Date: 14/07/2017**

Place: **33080 - Roveredo in Piano (PN)** **17/802/MCE/002** **TÜV NORD Italia-File: M/16332/17/L**

Item No.	Material Destignation Material number	Material Specification	Delivery Condition	Article Type of product	Dim. [mm] Thickness	Dim. Ø [mm] Weight [kg, t]	Techn. Specification Requirements	Remarks Doc.: Scope of materials Rev.0 - 31.10.2016
1	2	3	4	5	6	7	8	9
1	Spheroidal graphite cast iron EN-GJS-400/18 EN-GJS-450/10 EN-GJS-500/7 EN-GJS-600/3 For information 3)	EN 1563	U	Castings 2)	1)	< 900 kg	Directive 2014/68/EU	Certified acc. to PED annex I, pt. 4.3 by the Notified Body of TÜV NORD Italia (NoBo 2580) 1) Delivery conditions and dimensions according to technical specifications. In case of dimensions exceeding technical specifications a single inspection with certificate EN 10204 type 3.2 is required.
2	Grey cast iron EN-GJL-150 EN-GJL-200 EN-GJL-250 EN-GJL-300	EN 1561	U	Castings 2)	1)	< 900 kg		2) No welding allowed 3) In case of delivery according to Directive 2014/68/EU a Particular Material Appraisal is required

Explanation: +AT / AT = solution heat treated and deterred; N = Normalized or normalizing rolled / forming;
NT = normalized and tempered; +QT / V = quenched and tempered; M = thermo mechanical treated
AR = without annealing; SR = stress relieved; A = soft annealed; CR = controlled hot rolled
Hints for materials use acc. to Directive 2014/68/EU : The specific material operation conditions have to be approved by pressure equipment manufacturer and by the notified body in charge

The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.