

### Approvals, Tests and Certificates of AEROSOL FIRE EXTINGUISHERS manufactured by Dynamit Nobel Defence

Authority / Institute, Approval / Test / Certificate	Description, Comment, Issue Date, Validity
<b>GERMANY</b>	
<b>Landesfeuerweherschule Nordrhein-Westfalen</b> <b>Amtliche Prüfstelle für Feuerlöschmittel und -gerät</b> Fire Brigade Institute Nordrhein-Westfalen, Germany Certificate PL 4/97, DIN EN 2	Fires of fire class B (limited) Fires of fire class C
<b>DMT - TÜV Nord</b> Certified and accredited according DIN EN ISO /IEC testing laboratory Certificate Nr.: 8115915687-50	Type approval according ECE R107 for fire suppression system in buses and coaches.
<b>Bundesanstalt für Materialforschung und -prüfung</b> Federal Institute for Material Research and Testing, Germany Registration D/BAM-0504/17	Licensing of pyrotechnic product and E02, E03, TA, PA, MIL Transport classification, Group9 / UN3268.

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<b>Bundesanstalt für Materialforschung und –prüfung</b> Federal Institute for Material Research and Testing, Germany Certificate Nr.: 0589.PYR.4583/10	EU-type examination and model extension for the new 200/300/2000 E03 version
<b>Bundesanstalt für Materialforschung und -prüfung</b> EU-Conformity-Declaration (CE)	CE Fire Extinguishing Generator is in accordance with the instructions of European Directive 2013/29/EU- Modul D
<b>Det Norske Veritas / Germanischer Lloyd</b> Certificate No. 44242-07 HH	Approved Certificate for Dynameco Extinguishing Generators for local fire protection of electrical cabinets and switchboards up to 1000 V in ships and vessels
<b>ISO 9001:2015</b>	DND - Management System Certificate
<b>ISO 14001:2015</b>	DND - Management System Certificate
<b>EN 9100:2018</b>	Management System Certificate for aviation, aerospace and Defence.
<b>VdS</b> <b>Verband der Schadenversicherer</b> Association of Indemnity Insurers, Germany Test report CHL97036	Vibration tests of Fire Extinguishing Generator
<b>Hygiene Institut des Ruhrgebietes</b> Hygiene Institute of the Ruhr Region, Germany Institute of Environmental Hygiene and Environmental Medicine Fire-Hygienic Assessment	Fire-hygienic assessment and evaluation of Fire Extinguishing Generator
<b>Hygiene Institut des Ruhrgebietes</b> Hygiene Institute of the Ruhr Region, Germany Institute of Environmental Hygiene and Environmental Medicine Evaluation of <i>Dynameco's</i> Ozone Depletion Potential	Confirmation that Ozone Depletion Potential (ODP) is Zero

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<b>Umweltbundesamt</b> Federal Environment Office, Germany Statement II 4.2-54 352-1	Zero Ozone Depletion Potential (ODP) and negligible Global Warming Potential (GWP) of Fire Extinguishing Generator.
<b>Innenministerium des Landes Schleswig-Holstein</b> Ministry of the Interior of the State of Schleswig Holstein, Germany IV 350 c - 166.785	Licensing of installation in rotary printing press
<b>Allianz Zentrum für Technik GmbH, Industrielle Technik, IT</b> Allianz Center of Technology GmbH, Industrial Technology, IT, Germany Test report ADRN 99.03.043/01	No damage of computers caused by Aerosol of Fire Extinguishing Generator
<b>DMT</b> Independent test institute of TÜV- Nord	Certificate to use Dynameco in tooling machine
<b>TÜV – Süd Rail</b> Certification for Trains /locomotive	Dynameco is approved according to ARGE-BBA/2 requirement and EN 61373 and certified from TÜV Süd /Rail in the BOMBADIER TRAX 2E-DE locomotive
<b>MPA- Dresden</b> Certification for Fire class <b>F</b> - fat and oil in kitchen ; (19.05.2011)	Abstract of examination report no. 2011-F-0805 Fire extinguishing System - AEROSOL EXTINGUISHING GENERATOR Dynameco 200-E02
<b>Berufsgenossenschaft Nahrungsmittel und Gaststätten</b> Professional Association of Food Industry and Restaurants, Germany Test reports 24/Ne, 50/Ne	No ignition of a propane oxygen atmosphere (high inflammable concentration) due to actuating of Fire Extinguishing Generator
<b>Allianz Zentrum für Technik GmbH, Industrielle Technik, IT</b> Allianz Center of Technology GmbH, Industrial Technology, IT, Germany Test report ADRN 95.09.04/01	No reservations about installation in rotary printing press

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<b>Fraunhofer-Gesellschaft</b> <b>Institut für Toxikologie und Aerosolforschung, Hannover</b> Institute for Toxicology and Aerosol Research, Hanover, Germany Test result of aerosol characteristics, concentration and particle size	Characteristics, size distribution and concentration of the aerosol particles as function of the pyrotechnical extinguishing generator Dynameco.
<b>Forschungsgemeinschaft für Hochspannung- und Hochstromtechnik</b> Research Association of High Voltage and High Current Technology, Germany Test report IS 95012/3	Influence of Aerosol on the insulating characteristics of medium voltage switch boards
<b>Dynamit Nobel Defence</b> ASI – Article Safety Information	Form and content pursuant according to Regulation 1907/2006 (REACH) /
<b>Dynamit Nobel Defence</b> COC	COC - Certificate of Conformity
<b>AUSTRIA</b>	
<b>TÜV (Technischer Überwachungsverein)</b> Safety Standards Authority, Austria Approval M/EMV-99/324, M/EMV-99/325	Electromagnetic compatibility approval according to EN 50081-1: 1992, EN 50082-2: 1995
<b>TÜV (Technischer Überwachungsverein)</b> Safety Standards Authority, Austria Test Report M/EMV-98/135 Approval e12 02 0017	Electromagnetic compatibility approval according to Guiding Rule 95/54/EG 72/245/EWG
<b>TÜV (Technischer Überwachungsverein)</b> Safety Standards Authority, Austria ETW0612/ZR	Approval in explosive atmosphere
<b>Prüfstelle für Brandschutztechnik des Österreichischen Bundesfeuerwehrverbandes</b> Fire Prevention Technique Inspection of Austrian Fire Brigade Association FT 9/289/97, 127.0	Aerosol Extinguishing System Application in fire class B, electrical cabinets up to 1000 V Fire class A (limited)

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<b>Bundesministerium für Wissenschaft und Verkehr</b> Ministry of Research and Traffic, Austria Type licensing e12*72/245*95/54*0017*00	Use in engine compartment of watercrafts
<b>BULGARIA</b>	
<b>Ministry of the Interior of Bulgaria</b> National Service "Fire and Emergency Safety" NH 46/24.01.2000	Use on the territory of the Republic of Bulgaria. Class B (limited), C, electrical equipment under 1.000 V.
<b>CYPRUS</b>	
<b>Fire Brigade Authority of the Republic of Cyprus</b>	Use and installation of Fire Extinguishing Generator
<b>GREECE</b>	
<b>Greek Firebrigade</b> Document Ref No.: 9259 Φ 701-6	Use in extinguishing A, B and C type fires
<b>ISRAEL</b>	
<b>Standards Institution of Israel</b> Mechanical Laboratory Test Report 3167700	Fires of fire class A, B
<b>ITALY</b>	
<b>RINA</b> <b>Type Approval Certificate</b> Genoa; August 2016 Certificate No. FPE0699116CS	Aerosol Fire Extinguishing System with Dyanemeco 200,300 and 2000 for use in machinery spaces of vessels

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<b>T.E.S.I. S.r.l.</b> <b>Tecnologie Sviluppo Industriale</b> Industrial Research Technology, Italy Test report 017/C	Fires class B-C Class A Surface Fire
<b>T.E.S.I. S.r.l.</b> <b>Tecnologie Sviluppo Industriale</b> Industrial Research Technology, Italy	No damage of computers caused by Aerosol of Fire Extinguishing Generator
<b>Gazzetta Ufficiale Della Repubblica Italiana</b> Official Register of the Republic of Italy Ministerial Decree 559/C.5826.XVJ (925)	Acceptance and classification of Fire Extinguishing System
<b>Dynamit Nobel</b> Test report 30.01.98	Tests for Italian railway
<b>Ansaldo Trasporti, Napolia</b> Ansaldo Transport Company, Naples, Italy	Confirmation of Locomotive protection with Fire Extinguishing Generator
<b>SLOVENIA</b>	
<b>ZAG, Zavod za gradbenistvo Slovenije</b> Institute for fire protection, Slovenia St. M 646/00-530-1	Approvals on fires of fire class A, B, and C
<b>SPAIN</b>	
<b>Ministry of Science and Technology</b> Register 17.01.01 001710	Authorization for use in Extinguishing Systems
<b>Talgo Railway Company</b>	Confirmation for use Dyanemeco in different compartment for engine and generators in locomotives and speed trains

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<b>L.G.A.I., Laboratori General D'Assaigs I Investigacions</b> General Laboratory for Research and Investigations, Spain Test report 96014279	Fires of fire class C Tests according to UNE 23-110-5 (85) (EN 3/5)
<b>L.G.A.I., Laboratori General D'Assaigs I Investigacions</b> General Laboratory for Research and Investigations, Spain Test report 96016528	Fires of fire class B Tests according to UNE 23-110-1 (96) (EN 3/5)
<b>L.G.A.I., Laboratori General D'Assaigs I Investigacions</b> General Laboratory for Research and Investigations, Spain Test report 96016658 Fire-Hygienic Assessment	Fire-hygienic assessment and evaluation of Fire Extinguishing Generator
<b>L.G.A.I., Laboratori General D'Assaigs I Investigacions</b> General Laboratory for Research and Investigations, Spain Test report 96016659	Dielectrics 35.000 V Tests according to European Norm EN 3/2 (UNE 23.11.80)
<b>L.G.A.I., Laboratori General D'Assaigs I Investigacions</b> General Laboratory for Research and Investigations, Spain Test report 96016708	Volume protection Inertiation of volumes
<b>NISSAN MOTOR IBERICA, S.A.</b> Spain	Use of Fire Extinguishing Generator in Nissan plants
<b>Central Nuclear De Almaraz</b> Almaraz Nuclear Power Plant, Spain	Real Fire Test in electric cabinet and small computer room
<b>USA</b>	
<b>EPA, SNAP</b> U.S. Environmental Protection Agency (EPA) Significant New Alternatives Policy (SNAP) program	Listing by EPA under SNAP