



DECLARATION OF CONFORMITY

DIRECTIVE 2006/42/EG

INCLUDES:

TECHINCAL FILE

DESIGN, MANUFACTURE & OPERATION

The CE mark is a stylized 'C' with a 'E' inside, indicating conformity with European standards. It is centered within a light gray square background.



ATEX

2014/34/EU

REV 1

JULY 2022



DECLARATION OF CONFORMITY

1.0: Company Defined

JDA GLOBAL LLC, a manufacturer, features the NOMAD brand of diaphragm pumps and parts used in the transfer of liquids for multiple industries, including but not limited to adhesives, chemicals, construction, food & beverage, ink, pulp & paper, mining, petrochemicals, pharmaceuticals, etc. Company is based in Henderson, Nevada, USA.



2.0 : Technical File

The technical file houses all documents necessary to demonstrate product conformity for safety via proper fit, form and function, as well peripheral documentation describing materials, assembly, safety and risk assessment and testing. **See Addendum 1:** Self-Declared Declaration of Conformity.

2.1: Safety Assessment

See Addendum 2- Safety Supplement (in Euro languages)

This document reviews the need to carefully select, maintain and insure preventative care for all NOMAD pumps. This list requests that buyer review a. Chemical Compatibility Booklet, b. Tighten all fasteners, c. Safety glass usage, d. Pressure limitations and e. air bleed-off protocol.

2.2 Operation Manual

See Addendum 3: Operation Manual -Sample (3" Metallic pump)

Each NOMAD pump has its own specific Operation Manual by size and material. This Manual provides i. Caution warnings for usage, ii. Pump Designation System, iii. Functionality, iv. Troubleshooting, v. Suggested Installation, vi. Dimensional Drawings, vii. Pump parts listing, viii. Pump Exploded view of specific pump found in Manual.

2.3: Chemical Compatibility Booklet

See Addendum 4: Chemical Compatibility Booklet

This Booklet provides the buyer with guidelines (PLUS + = historically acceptable or MINUS - = do not use) regarding chemical compatibility of the elastomer options & pump body parts based on historical usage and input from relevant rubber, metal and plastic suppliers over time. The Booklet also includes temperature limitations of each material.

2.4: Warranty

See Addendum 5: Warranty Certificate

This Certificate states that all of JDA GLOBAL's products have a 5 YEAR WARRANTY against defective material and/or workmanship. Normal wear and material degradation over time is not applicable. Misuse or misapplication also voids Warranty.

2.5: Quality & Conformance

See Addendum 6: Quality & Conformance Certificate

This Certificate primarily outlines both parts warranty and pump testing protocol. Each pump is hydrostatically tested. Builder performs visual inspection for leaks, tightens all fasteners and reviews sound of shaft movement and ball seat sealing. Each pump is then brought to equilibrium (air supply matches discharge head pressure) and visual inspection and potential further tightening of fasteners occurs. Pump should come to a full stop under "dead head" conditions. This dead head/equilibrium test protocol is then repeated. Pump is then allowed to dry prior to boxing and shipment. For those buyers who require a SPECIFIC testing protocol relative to their exact requirements, buyer may request an individual test for pump purchased- **See Addendum 7:** Hydrostatic Test

2.6: Pump Tag

See Addendum 8: Pump Tag

Each pump is sent with a pump tag affixed to the discharge manifold with non-removable plastic Zip tie. Each tag features the following on the front side: a) CE mark, b) QR Code, whereby user can scan the code and Operation Manual for the specific pump will appear. c) Model no. and pump description. d) Serial number code for the specific pump. e) “Assembled and Tested in USA” slogan with flag. On the back side of the tag, the following is stated: f) Max. pressure. g) Diaphragm failure may lead to liquid exiting from the exhaust. h) Disconnect air supply prior to maintenance i) wear proper protection. j) Tighten all fasteners prior to operation.

2.7: Drawings & Prints

See Addendum 9: sample product print (diaphragm- Hytrel, for 2” model)

Each part has its own drawing, which includes all specifications and dimensions. Tolerances (+/-) are listed in fractions and decimals. Product markings are also called out, raised or otherwise. Prints also include date of print production and nomenclature. The drawings allow for proper quality control and conformance. These prints are both “controlled” and “uncontrolled, neither of which are provided to end user.

2.8: Declaration of Materials

See Addendum 10: sample D.O.M (Center section, 3” aluminum pump)

The D.O.M serves as an internal and external document which can be shared with the buyer upon request. This document features specific material type, supplier code, production method and internal sign-off for company representative.

2.9: Supplier Support Document

See Addendum 11: sample letter (Longwood/Wabtec, EPDM material)

Supplier letters answer specific buyer request for additional information, such as Ohm’s surface resistance level (found here in sample), individual ingredients used in product, etc.

2.10: Manufacturer Support Document

See addendum 12: Sample letter (Dupont, Hytrel 4069)

Sample letters provided extensive information direct for the inventor or manufacturer of the product. This type of letter may provide physical and mechanical properties such as tensile strength and flammability, etc.

2.11: System Diagram- Quality Systems Manual

See Addendum 13: System Diagram

This Manual has been prepared to meet self-declared ISO 9001 standards which address design, development, production and quality of products (under separate cover). The Diagram demonstrates throughput chart, initialized at receipt of order through packaging, shipment of finalized product and post-order customer support.

3.0: ATEX

See Addendum 14: ATEX Certificate- 2014/34/EU

ATEX (French: *Atmospheres Explosibles*) are EU directives describing minimum safety requirements for workplaces and equipment used in explosive environments. JDA GLOBAL's NOMAD product line of air operated, double diaphragm pumps (AODD's) lie within the confines of Group II (other explosive atmospheres) in Category 2 (G and D, or Gas & Dust).

Specifically, NOMAD pumps which feature metallic outer design (parts with contact with the media being transferred) and metallic inner design (no contact with the media being transferred) are categorized as:

For Gas: II 2 G Ex h IIB T4...T3 Gb

For Dust: II 2 D Ex h IIB 110 Degrees C Db

The above-mentioned categories include NOMAD metal pump models with feature metallic inner and outer parts only NTG and NPF models, namely AAAB, AMAB, AAAA, WAAB, WMAB, WWAB, WAAA, WWAA, SAAB, SMAB, SAAA and SSSS models.

