



Manufacturer's Declaration

PAC fittings

NDL Industries Inc.
266 Marine Drive
Vancouver, British Columbia
V5X 2R5, Canada

NDL Industries Inc. hereby under the sole responsibility declare, that the following products (PAC fittings) are suitable for use with refrigerant fluids in Group 1 and Group 2. Fittings are designed to join the copper tubes of air conditioning and refrigeration systems. Quality is assured by a quality management system complying with ISO 9001.

Table 1. Declared technical features of the product:

Product	PAC fittings
Product Name Range	N-1003 – N-61009
Size Range	From ¼” up to 4 1/8”
Application	Air conditioning and refrigeration.
Material	Copper alloy C12200
Material Composition	P 0.015 – 0.040%, Cu balance
Maximum operating pressure	Depends on the diameter. According to the Table 2.
Operating temperature	-196° C to 121° C / -320° F to 250° F
Burst pressure	> 3 x design pressure
Tube compatibility	Compatible with main pipe types manufactured from copper conforming to standards ASTM B88, B280, B819.
Identification	“NDL”/”NDL+” stamps

These products must satisfy the following requirements, listed in Article 4, paragraph 3 of Directive 2014/68/EU:

Shall be designed and manufactured in accordance with the sound engineering practice of a Member State in order to ensure safe use. Pressure equipment and assemblies shall be accompanied by adequate instructions for use. Shall not bear the CE marking.



US Operations Center

8921 Airways Blvd. Suite 150 | Southaven, MS 38671
604.736.7470 | 866.635.6888

Corporate Headquarters

266 SW Marine Drive | Vancouver, BC V5X2R5
ndlinc.com | customerservice@ndlinc.com

Table 2. Maximum operating pressure at 121 C. Based on ASME B16.22.

Size (In)	Design pressure, bar (Factor of Safety = 3)
1/4"	50.2
3/8"	50.2
1/2"	42.9
5/8"	39.8
3/4"	34.8
7/8"	32.1
1-1/8"	27.2
1-3/8"	24.2
1-5/8"	22.5
2-1/8"	20
2-5/8"	18.5
3-1/8"	17.4
3-5/8"	16.7
4-1/8"	16.1

Authorized person

Name Tal Gutbir
Title President of NDL Industries
Date 2023-11-07

Signature



USA Warehouse

8921 Airways Blvd. Suite 150 | Southaven, MS 38671
604.736.7470 | 866.635.6888

Corporate Headquarters

266 SW Marine Drive | Vancouver, BC V5X2R5
ndlinc.com | customerservice@ndlinc.com