



Przedsiębiorstwo Produkcji Sprężarek Airpol Sp. z o.o.

ul. Nieszawska 15c, 61-021 Poznań, Polska

Dział Sprzedaży +48 61 650 45 67, airpol@airpol.com.pl
Dział Serwisu + 48 694 477 251, +48 61 650 45 75, serwis@airpol.com.pl

www.airpol.com.pl

Compressor certificate

1. Manufacturer:	Przedsiębiorstwo Produkcji Sprężarek Airpol Sp. z o.o. ul. Nieszawska 15c, 61 – 021 Poznań, Poland
2. Compressor type:	Deno 18
3. Factory number:	S04520325
4. Capacity:	145 m ³ /h
5. Motor power:	18,5 kW
6. Overpressure:	13 bar
7. Weight :	420 kg
8. Year:	2025

Compressor is made according to the manufacturing and acceptance requirement and comply with the norms and directives specified in the attached declaration of conformity.

Stamp

Date

21.03.2025

PRZEDSIĘBIORSTWO
PRODUKCJI SPRĘŻAREK
"AIRPOL" Spółka z o.o.
61-021 Poznań, ul. Nieszawska 15c
tel. 61 650-45-67,
NIP 782-00-08-643 Regon 630517391

Signature of the factory acceptance inspector

SZEF DZIAŁU
ZAPEWNIENIA JAKOŚCI
mgr inż. Robert Hoffa



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DECLARATION OF CONFORMITY EC

Hereby declares with full responsibility, that the following products:

Compressor:

Deno 18

S04520325

to which this declaration applies, conform with:

- 2014/68/EU Pressure Equipment Directive
- 2006/42/EC Machinery Directive
- 2014/35/EU Low Voltage Directive
- 2014/30/EU Electromagnetic Compatibility Directive

It comply with the harmonized standards: EN ISO 12100:2012, EN 60204-1:2018-12
EN IEC 61000-6-4:2019-12, EN-1012-1:2011, PN-N- 01307:1994

The compressor has been marked with the following marking:



President

(-) Marek Jajeśniak

Poznań, 2025-03-21

Customer: Deno Compressors B.V.
Compressor: 18,5 kW air cooled
Controller: MS - 686
Electric motor HOYER 18,5 kW
Type of start Y/Δ

Drawing No:
Serial No: S04520325

Tested by:
Date: 24. 03. 2025

Electrical installation marked code IP54 according to standard PN-EN-60529.

Complies with safety regulations according to standards: PN-EN 60204-1:2010, PN-EN 60204-1:2010/AC:2011, PN-EN 60947-1:2010, PN-EN 60947-1:2010/A1:2011, PN-EN 1012-1:1999.

No	General check points	Result		
		Yes	No	n.a.
1.	The control box working properly	✓		
2.	Built according to specification of customer	✓		
3.	Built according to electrical drawing	✓		
4.	All components marked	✓		
5.	All wires marked	✓		
6.	Torques and fittings correct	✓		
7.	Controller working properly	✓		
8.	Parameters of controller set correctly	✓		
9.	Parameters of softstart set correctly			✓
10.	Parameters of frequency controller set correctly			✓
11.	Heater, fan, light of electric box are correct			✓
12.	Name plate with number			✓
13.	Drawing of electric diagram in the electrical box	✓		
14.	Technical documentation – manual, drawings	✓		
15.	Cable glands mounted and properly tightened	✓		
16.	Control box painted and cleaned	✓		
17.	Control/display panel mounted correctly	✓		
18.	Fuses are correct	✓		
19.	Control lamps are correct			✓
20.	Switches are correct	✓		
No	Check points according to the norms	Result		
21.	Size of power and control cables correct	✓		
22.	Size of fuses and transformer correct	✓		
23.	Protective grounding PE correct	✓		
24.	Bare cables secured	✓		
25.	Main switch mounted correctly			✓
27.	Emergency STOP pushbutton correctly	✓		
28.	Thermal overload of electric motors are correct	✓		
29.	Safety settings of controller/softstart/frequency converter are correct	✓		
30.	There are no loose cables	✓		
31.	Other			

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NIP 7820006643

REGON 630517391

Konto bankowe 25 1030 1247 0000 0000 8381 4004

Dane o rejestracji Sąd Rejonowy w Poznaniu VIII Wydział Gospodarczy Krajowego Rejestru Sądowego, KRS 67746

Kapitał zakładowy 2.370.000 PLN

CHECK LIST FOR TESTING

Order:	Date: 24.03.2025		
Compresor: DENO 18	S04520325		
E-motor type: HMC3 160L-2	DK1228490352		
Kw/rpm/voltage/Amp @ 50Hz:			
Kw/rpm/voltage/Amp @ 60Hz:	18,5/2930/440/32,5		
Air end type: DSU 60	8174		
Year of make:	2025		
Max.rpm	8 000		
Cooler type:	R14277		
Factory number:	S0452		
Test date:	24 bar/water		
V-belt type and quantity:	XPA 1450		
Checks caried out:			
Checking of the fittings and elektical connections	ok.		
Control of the all thermal settings		41	A
Control of value of the fuses in the line: F1/F2/F3		2/2/2	A
Check the value of the transformer protection fuses F4/F5/F6/F7		2/2/2/2	A
Check the oil level and recheck after testing	ok.		
Check the sense of rotation of the compressor and fan	ok.		
Control of the setting of the minimum pressue valve (5 bar)		5,0	bar
Connection to the air receiver	ok.		
Setting of the final pressure		13	bar
Setting of the differential pressure		2	bar
Running as start-stop for 10	ok.		
Running unload until the automatic stop. Repeat twice	ok.		
Turn the compressor off using the emercency stop direct after starting in order to check any oil leaking from the filter. Repeat twice	ok.		
Running for 2 hours at pressure lower than the maximum pressure and record of the maximum temperature	ok.	85	°C
Running contact test: R6=10=NO	ok.		
Common alarm test: R5=2=NC	ok.		
High pressure alarm:		14	bar
High pressure warning:		13,5	bar
High temperature alarm:		110	°C
High temperature warning:		105	°C
Air end speed loading:			rpm
Motor speed loading:			rpm
Stop time:		7	sec
Idle run time:		180	sec
Oil pressure at 13,0 bar		13,2	bar
Safety valve type and setting:	n.a.		bar
Check of the oil in line	ok.		
Check the presence of any oil leaking	ok.		
Check the alignment and tighten screws and flanges	ok.		
Check the required parameters			
TEST DATA:			
air receiver: 500 liter			
time: 190 sec 2-13 bar			
calc. cap.: 104,2 m3/hr @ 50Hz, 395V			
Measured Amp at max delivery pressure 13,0 bar:		36,7	A
Temperatura after load and idle run		73	°C
Pully motor/compressor	PRZEDSIĘBIORSTWO PRODUKCJI SPRĘŻAREK "AIRPOL" Spółka z o.o. 61-021 Poznań, ul. Niezawako 15 c tel. 61 650-45-67, NIP 782-00-08-843 Regon 630517321	125/150	

Performed by:

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Przedsiębiorstwo Produkcji Sprężarek Airpol Sp. z o.o. Ul. Nieszawska 15c 61-021 Poznań	Test report No: DZJ/24/03/2025	Date: 24.03.2025
Quality Department		

Pressure test

The subject of the research:

Cooler type : **R 14277**

Factory numbers: **S0452**

Maximum working pressure: **16 bar**

Test pressure: **24 bar**

Medium: **water**

Test manometer: No AP 306 (Ø160, range 0 – 25 bar).

Positive test.

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