

NAILI Rotary Vane Solutions

A - AB Series and BL Series



NAILI Group

NAAIR TECH DIVISION



NAILI

Established 1999 which is a leading and professional manufacturer of Rotary Vane Compressors and Oil free Piston compressors in the world! In current, NAILI group has 720 employees and the production capacity around 80,000 sets of vane compressors and 50,000 oil free piston compressors in one year, the range of vane compressors from 1.5kw to 220kw.

Thanks to a broad customer base and many years of intensive cooperation with the market, NAILI has unprecedented experience in producing high-quality compressors. In addition to the development and production of industrial compressors, NAILI is a market leader in the field of sliding vane air compressors for electric buses and logistics vehicles.

The 50,700 m² production facility has its own aluminum foundry, pm motor production,

CNC machinery, paint shop, R&D, quality control and assembly line with testing facilities for 100% final testing.

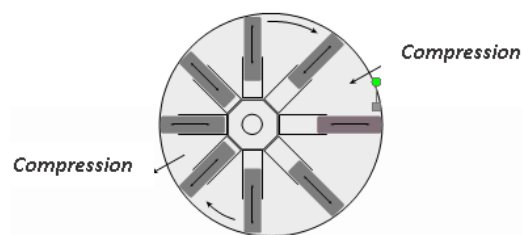


Techniek

An extremely simple and reliable technique is used in a rotary vane compressor, you could also know this technique from a vacuum pump. An electric motor is connected in line with a rotor in which (steel) blades are placed. Due to the rotating movement of the rotor, the vanes are pushed outwards.

The rotor is placed eccentrically in the chamber and allows the blades to form chambers around the rotor. With compressed spaces are reduced, pressure is increasing. Oil provides lubrication, cooling and sealing; therefore, as in any oil-injected compressor, it is very important that it is kept in the right condition. Due to the linear connection, there is no lateral load on the bearing.

This contributes to the fact that there is no play and therefore no damage to the rotating parts; which is a major cause of malfunctions with other types of compressors. As a result, the maintenance of a rotary vane compressor is limited to the replacement of filters and oil and is therefore very attractive for the user. The use of this technique also ensures that a rotary vane compressor is very quiet in use.



Performance

A vane compressor has a very efficient energy transmission with a low resistance because no energy is lost in transmissions with V-belts or gearboxes.

This provides energy savings of up to 20% compared to other common compressors on the market. For a rotary vane compressor, a lifespan of 70,000 operating hours is no exception.



AZF Vane Compressor

AB serie With Cabinet



The AB Series is equipped with a sound-insulating cabinet, makes the compressor is very quiet in use in accordance with the European regulations, and therefore it is possible to position the compressor close to a workplace. The plates are very easy to be removed, making the maintenance easier. The simple control ensures that the user is supported during use. It is also possible to set up each compressor in a Network (max. 16) with this control panel, so that the desired air output can be achieved and the correct load per machine is taken into account.

Model	kW	Capacity (10 bar)	dB (A)	Connect	Weight	L x B x H in mm		
NA-AB4	4,0	0,53 m ³ /min	67	1/2"	169 kg	1005	515	800
NA-AB5.5	5,5	0,77 m ³ /min	67	1/2"	169 kg	1005	515	800
NA-AB7.5	7,5	1,15 m ³ /min	69	3/4"	220 kg	1251	610	1042
NA-AB11	11,0	1,71 m ³ /min	69	3/4"	270 kg	1251	610	1042
NA-AB15	15,0	2,21 m ³ /min	72	1"	445 kg	1510	800	1200
NA-AB18.5	18,5	2,65 m ³ /min	72	1"	480 kg	1510	800	1200
NA-AB22	22,0	3,21 m ³ /min	72	1"	520 kg	1510	800	1200

Please consult us for more precise datasheet up to 110kw:

- Capable Maximum Pressure 8, 10 (H) en 13 (HH) bar • 30, 37, 45 en 55 kW op Also works
- IP55 • 380~415V • Induction Motor • Direct start / Triangle-star start
- Pictured Version: NA-AB5.5 (H - 10 bar)



A serie Open



If you are looking for a reliable compressor that can be serviced quickly, the A Series is the right choice for you. In addition to a cheaper price compared to the quieter AB Series, the A Series has the additional advantage that no any plate it has to be much easier dismantled for maintenance. This makes performing it a lot more efficient and therefore cheaper. With still generates a low noise level.

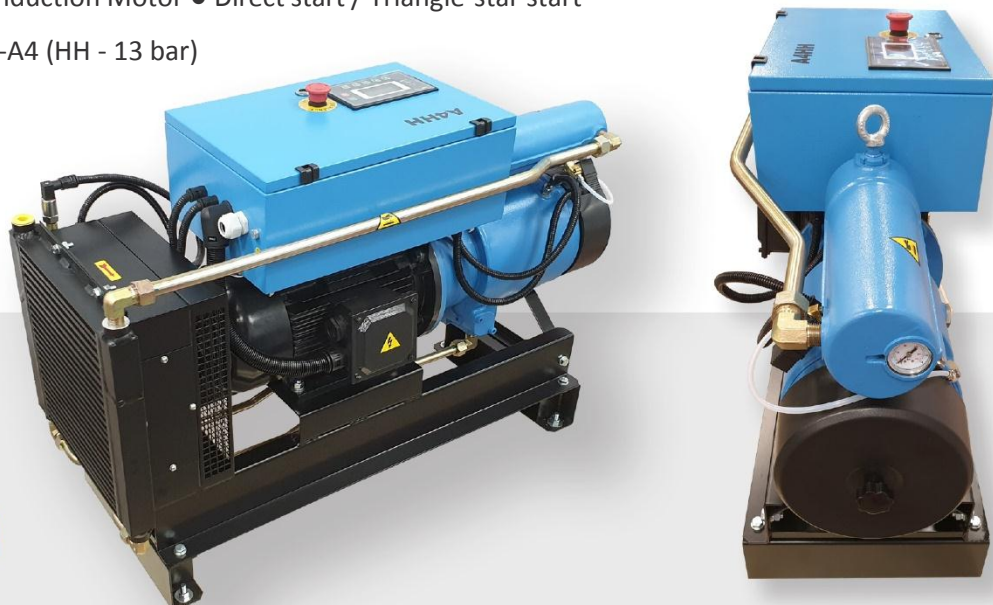
As with the AB Series, A Series also has a simple control panel that ensures the user is being supported during use. The same option applied to set up each compressor with this panel control in a Network (max. 16), so that the air output can be achieved under the correct load per machine is taken into account. Appropriate radiator, to make the compressed air leaving is approx. 5 °C above the ambient temperature. This makes it possible to switch the compressor directly with a compressed air dryer before it is stored in an Air receiver. As with the AB Series, the A Series has few parts subject to wear, which means that the maintenance costs for this machine are minimal.

With a Naili rotary vane compressor from the A Series you have a very reliable, maintenance-friendly and affordable compressor, suitable for a long life.

Model	kW	Capacity (10 bar)	dB (A)	Connect	Weight	L x B x H in mm		
NA-A4	4,0	0,53 m ³ /min	71	1/2"	120 kg	1051	416	706
NA-A5.5	5,5	0,77 m ³ /min	71	1/2"	130 kg	1021	435	721
NA-A7.5	7,5	1,15 m ³ /min	75	3/4"	206 kg	1202	513	827
NA-A11	11,0	1,71 m ³ /min	75	3/4"	246 kg	1281	538	850
NA-A15	15,0	2,21 m ³ /min	79	1"	370 kg	1472	620	956
NA-A18.5	18,5	2,65 m ³ /min	79	1"	380 kg	1513	620	959
NA-A22	22,0	3,21 m ³ /min	79	1"	390 kg	1583	620	959

Please consult us for more precise datasheet up to 110kw;

- Capable Maximum Pressure 8, 10 (H) en 13 (HH) bar ● 30, 37, 45 en 55 kW op Also works
- IP55 ● 380~415V ● Induction Motor ● Direct start / Triangle-star start
- Pictured Version: NA-A4 (HH - 13 bar)



BL serie

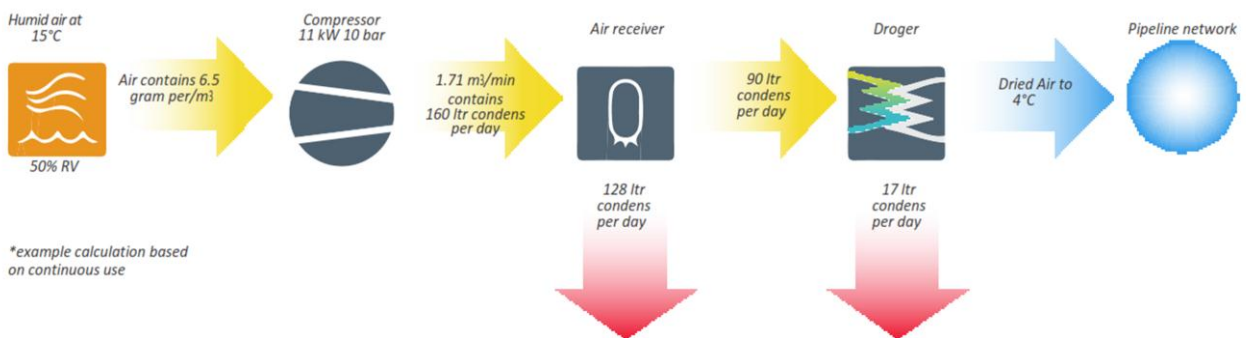
Refrigerated Dryer



When the compressed air left your compressor and it has a very high moisture content (RH 100%). To prevent this from causing moisture damage in your compressed air system, it is necessary to dry the compressed air. Moisture can cause corrosion in your piping system and necessary lubrication and greases in your components will be washed away.

The BL Series refrigeration dryers are extremely suitable for your dried compressed air delivered to your user. With a dew point of approx. 4 °C, these dryers ensure that no condensation will form in your piping system as long as the ambient temperature does not fall below 4 °C.

Model	Pk	Capacity	Connect	Weight	L x B x H in mm		
NA-BL0010	0.35	1,8 m ³ /min	3/4"	50 kg	600	400	640
NA-BL0020	0.50	2,8 m ³ /min	1"	60 kg	600	400	780
NA-BL0030	0.75	3,8 m ³ /min	1"	63 kg	600	400	780



NAILI

Product Ranges

Industry

Let NAILI take care of your compressed air

A - AB serie



Vane Compressor

4 - 55 kw

Industry

Let NAILI take care of your compressed air

VFD serie



Vane Compressor

7,5 - 55 kw

Industry

Let NAILI take care of your compressed air

MD serie



Vane Compressor

30 - 330 kw

Automotive

Let NAILI take care of your compressed air

AZF serie



Vane Compressor

2,2 - 4 kw

Automotive

Let NAILI take care of your compressed air

HV serie - olie vrij



Oil Free Piston Compressor

1,5 - 4 kw

Automotive

Let NAILI take care of your compressed air

AZR serie - watergekoeld



Vane Compressor

2,2 - 4 kw

Automotive

Let NAILI take care of your compressed air

AH serie - hydraulisch aangedreven



Vane Compressor

4 - 22 kw

Construction

Let NAILI take care of your compressed air

AL serie



Vane Compressor

37 - 75 kw

Transit

Let NAILI take care of your compressed air

AGTU serie



Vane Compressor

4 - 22 kw

Mobiel

Let NAILI take care of your compressed air

ASM serie



Vane Compressor

4 - 22 kw

Industry

Let NAILI take care of your compressed air

BL serie



Refrigerated Dryer

0,8 - 55 m³/min

Industry

Let NAILI take care of your compressed air

BX serie



Adsorption Dryer

0,8 - 200 m³/min



NAILI Air System

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