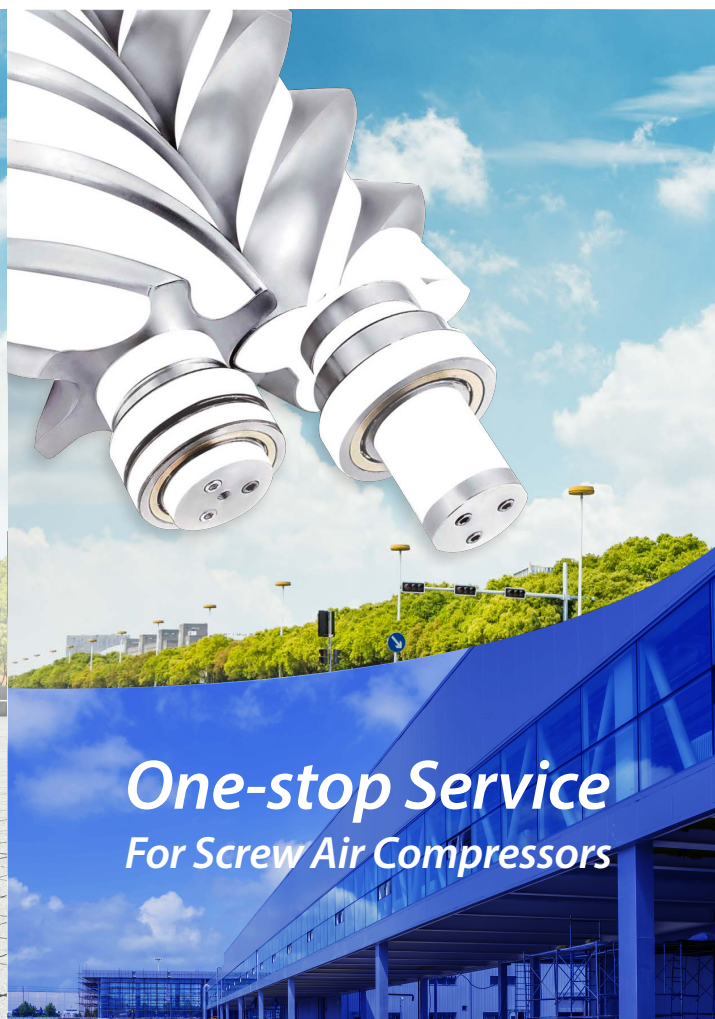


NSSP Product

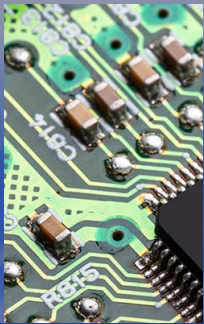
- Oil-injected Screw Air Compressor
- Oil-free Screw Air Compressor
- Oil-free Scroll Air Compressor
- Oil-free Screw Blower
- Post-processing Equipment



One-stop Service
For Screw Air Compressors

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PERSONALIZED R&D FOR DIFFERENT INDUSTRY CHARACTERISTICS



NSSP is not only standing at the forefront of concept and consciousness, but also taking control of machine quality as adhering to the spirit of artisans. Our R&D teams upgrade products according to different industry feedbacks, conditions and requirements, try harder to meet the special demand and grow up together with industry.



- Textile, air-jet loom industry
- Precision machinery industry
- Fiber laser cutting industry
- Building, cement industry
- Chemical, pharmaceutical industry
- Mining, electric power, military industry
- Food, packaging industry
- Metal products, pressure molding industry
- Electronics, lithium power industry
- Construction, transportation industry
- Energy, hydropower industry
- Advanced spraying, environmental protection industry

Direct Driven Fixed Speed BG Series

Product features

- Excellent performance, true first class energy consumption.
- After a long time operation, the input power is not higher than the new machine. True energy saving.
- Suitable for variety hard environment conditions. It can operate well under the environment temperature from -30°C to 55°C.
- 24 hours continuous trouble-free operation, highly automated intelligent PLC, remote control function.
- Double filtration system, remove impurities and particles in the suction air, longer life of the air end and lubricating oil.



Technical Parameters

Model	Air Delivery (m³/min)				Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm) L * W * H	Weight (Kg)
	7Bar	8Bar	10Bar	13Bar					
BG10A	1.3	1.2	1.0	0.7	7.5	63	G3/4	900*650*960	190
BG15A	1.8	1.7	1.6	1.0	11	65	G3/4	1150*750*960	320
BG20A	2.4	2.3	2.0	1.6	15	65	G3/4	1150*750*960	340
BG30A	3.7	3.6	3.2	2.8	22	68	G1	1350*850*1120	430
BG40A	5.2	5.0	3.9	3.4	30	68	G1	1500*1000*1350	600
BG50A	6.5	6.2	5.6	4.9	37	69	G1 1/2	1500*1000*1350	650
BG60A	8.0	7.3	6.0	5.9	45	70	G1 1/2	1500*1000*1350	730
BG75A	10.1	9.5	8.7	7.3	55	70	G2	1700*1200*1550	950
BG100A	13.6	12.8	11.3	9.2	75	72	G2	1700*1200*1550	1050
BG125A	16.1	15.5	13.6	12.5	90	72	G2	2100*1400*1650	1420
BG150A	21.2	19.6	17.8	15.5	110	72	DN65	2500*1650*1900	2200
BG175A	24.1	23.2	19.5	17.8	132	72	DN65	2500*1650*1900	2400
BG220A	28.8	27.8	23.0	20.0	160	72	DN80	3000*1900*1950	3650
BG250A	32.5	31.2	27.5	25.8	185	72	DN80	3000*1900*1950	3950
BG275A	34.5	34.0	30.5	28.0	200	76	DN80	3000*1900*1950	4200
BG300A	36.8	35.0	32.0	30.0	220	76	DN100	3600*2200*2200	4600
BG350A	43.0	41.5	38.0	34.9	250	76	DN100	3600*2200*2200	5900
BG375A	51.3	50.6	46.0	41.5	280	82	DN100	3600*2200*2200	6000
BG420A	56.8	55.9	50.1	42.0	315	82	DN125	4600*2300*2430	7800
BG420W	56.8	55.9	50.1	42.0	315	82	DN125	4200*2300*2430	7500
BG420A	66.1	65.4	55.1	46.0	355	85	DN125	4600*2300*2430	8200
BG475W	66.1	65.4	55.1	46.0	355	82	DN125	4200*2300*2430	7900

Intelligent Permanent Magnet Variable Speed BG Series

Product features

- Super IE4 class, 97% high-efficiency energy-saving PM motor.
- Latest technology screw air end, more compact and stable.
- Intelligent frequency conversion technology, energy saving up to 42%.
- Internet remote control, monitor your compressor anytime, anywhere.



Technical Parameters

Model	Air Delivery (m³/min)			Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm) L * W * H	Weight (Kg)
	8Bar	10Bar	13Bar					
BG10APM	0.5-1.2	0.4-1.0	0.3-0.7	7.5	63	G3/4	900*650*960	190
BG15APM	0.6-1.7	0.5-1.6	0.4-1.0	11	65	G3/4	1150*750*960	320
BG20APM	1.0-2.4	0.8-2.1	0.7-1.6	15	65	G3/4	1150*750*960	340
BG30APM	1.5-3.7	1.3-3.2	1.1-2.8	22	68	G1	1350*850*1120	430
BG40APM	2.0-5.0	1.6-3.9	1.4-3.4	30	68	G1	1500*1000*1350	600
BG50APM	2.5-6.2	2.2-5.6	2.0-4.9	37	69	G1 1/2	1500*1000*1350	650
BG60APM	3.0-7.3	2.4-6.0	2.3-5.9	45	70	G1 1/2	1500*1000*1350	730
BG75APM	3.8-9.5	3.5-8.7	3.0-7.3	55	70	G2	1700*1200*1550	950
BG100APM	5.1-12.8	4.5-11.3	3.7-9.2	75	72	G2	1700*1200*1550	1050
BG125APM	6.2-15.5	5.4-13.6	5.0-12.5	90	72	G2	2100*1400*1650	1420
BG150APM	7.8-19.6	7.1-17.8	6.2-15.5	110	72	DN65	2500*1650*1900	2200
BG175APM	9.3-23.2	7.8-19.5	7.1-17.8	132	72	DN65	2500*1650*1900	2400
BG220APM	11.1-27.8	9.2-23.0	8.0-20.0	160	72	DN80	3000*1900*1950	3650
BG250APM	12.5-31.2	11.0-27.5	10.3-25.8	185	72	DN80	3000*1900*1950	3950
BG275APM	13.6-34.0	12.2-30.5	11.2-28.0	200	76	DN80	3000*1900*1950	4200
BG300APM	14.0-35.0	12.8-32.0	12.0-30.0	220	76	DN100	3600*2200*2200	4600
BG350APM	16.6-41.5	15.2-38.0	14.0-34.9	250	76	DN100	3600*2200*2200	5900
BG375APM	20.2-50.6	18.4-46.0	16.6-41.5	280	82	DN100	3600*2200*2200	6000
BG420APM	22.2-55.9	20.0-60.1	16.8-42.0	315	82	DN125	4600*2300*2430	7800
BG420WPM	22.2-55.9	20.0-60.1	16.8-42.0	315	82	DN125	4200*2300*2430	7500
BG475APM	26.0-65.4	22.0-65.1	18.4-46.0	355	85	DN125	4600*2300*2430	8200
BG475WPM	26.0-65.4	22.0-65.1	18.4-46.0	355	82	DN125	4200*2300*2430	7900

Special Recommendation

Product features

Save your lens from contamination! Cut by NSSP All-in-one Fiber Laser Compressor!

- **How we control the particles in the compressed air?**
Higher grade air filter with multilayer design, ensure air dustless.
- **How we control the moisture in the compressed air?**
Built-in air dryer.
Cyclone air-water separator filter.
Special design air tank.
- **How we control the oil content in the compressed air?**
Special system design, no-touch compression technology.
Oil filter and separator filter to make sure the oil stay controlled.

Cut thicker, faster, cleaner? Cut by NSSP All-in-one Fiber Laser Compressor!

- The world's leading compressor technology, constantly supply 20bar (284psi) pressure ultra-high compressed air, by maximize your laser feature to provide efficient laser cutting experience with no dross.
- More than 8 filters has been installed in the system, strictly control the air quality to prevent lens get contaminated.
- User-friendly design, power on/off that's all, the whole process is automatic, including the draining the impurities and sewage.
- Money saving, VFD inverter shifts the mode to idling when the storage is enough, tank-mounted design saves the shipping cost with small footprint, pay off in month one or two.



Super High Pressure 16-20 bar Series For Fiber Laser Cutting Application

Product features

- Latest high-tech screw air end, ensure high stability, smoother cutting and better-looking cutting surface.
- Multiple high-efficiency oil and water removal devices ensure the compressed air entering the laser cutting machine is dry and oil-less.
- Thermostatic control minimizes the moisture content of the air, ensuring system reliability & lifetime.
- Equipped with a large-capacity air storage tank, which stabilizes the air supply pressure and condensates the moisture.
- The integrated automatic drainage system improves the purity and dryness of the compressed air, significantly keeps the laser lens clean away from contamination.
- All-in-one design, user-friendly, easy to use and transport.



Technical Parameters

Model	Air Delivery (m ³ /min) max	Exhaust pressure (Bar) max	Power (kW)	Noise dB(A)	Outlet diameter (in)	Dimension (mm)	Weight (Kg)	Exhaust pressure dew point (°C)	Exhaust dust content (µm)	Exhaust oil content (ppm)	Gas storage tank capacity (L)
BQZY-15A	1.05	16	11/15	65	G3/4	1800*900*1780	430	2~10	0.01	0.001	400
BQZY-20A	1.52	16	15/20	65	G3/4	1800*900*1780	450	2~10	0.01	0.001	400
BQZY-30A	2.41	16	22/30	68	G3/4	1880*900*1980	550	2~10	0.01	0.001	400
BQZY-30AA	2.41	16	22/30	70	G3/4	2250*900*2080	700	-20	0.01	0.001	400
BQZY-50AA	3.90	16	37/50	70	G3/4	2660*1000*2050	980	-20	0.01	0.001	600
BQZY-15AS	1.05	20	11/15	65	G3/4	1800*900*1780	460	2~10	0.01	0.001	400
BQZY-20AS	1.52	20	15/20	65	G3/4	1800*900*1780	480	2~10	0.01	0.001	400
BQZY-30AS	2.41	20	22/30	68	G3/4	1880*900*1980	600	2~10	0.01	0.001	400
BQZY-30AAS	2.41	20	22/30	70	G3/4	2250*900*2080	780	-20	0.01	0.001	400
BQZY-50AAS	3.90	20	37/50	70	G3/4	2660*1000*2050	1080	-20	0.01	0.001	600

Note

1. Extra "A" represents extra absorption dryer.
2. Extra "S" means "Super High 20bar" discharge pressure.
3. All the compressor is pressure adjustable.

Two-stage Fixed Speed BG-AII Series

Product features

- System optimization design, more reasonable pressure distribution.
- Independent air-cooled motor with IP55 protection level and SKF bearings.
- Designed according to the max ambient temperature of 52 °C. Pre-filters are equipped before the air intake ensures stable running under various harsh environments.



Technical Parameters

Model	Air Delivery (m³/min)				Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
	7bar	8Bar	10bar	13bar				L * W * H	
BG30AII	4.5	4.2	3.5	2.7	22	68	G11/2	1350*850*1110	600
BG40AII	6.0	5.9	4.7	4.0	30	68	G11/2	1200*1000*1350	700
BG50AII	7.5	6.9	6.0	5.4	37	68	G11/2	1500*1000*1350	750
BG60AII	10.5	9.9	7.8	6.8	45	72	G2	2100*1300*1650	1250
BG75AII	13.6	12.5	10.1	7.5	55	76	G2	2100*1300*1650	1300
BG100AII	16.0	15.5	12.8	10.2	75	76	G2	2100*1300*1650	1350
BG125AII	20.7	19.5	16.2	14.0	90	76	DN80	2500*1650*1900	2700
BG150AII	24.8	24.0	20.2	16.0	110	76	DN80	2500*1650*1900	2800
BG175AII	29.0	28.0	23.7	19.0	132	78	DN80	2500*1650*1900	3000
BG220AII	34.0	32.5	28.0	23.0	160	78	DN80	3000*1900*1950	4300
BG250AII	39.0	36.0	32.0	27.5	185	78	DN80	3000*1900*1950	4400
BG275AII	43.5	41.0	35.5	31.5	200	78	DN100	3600*2200*2200	5000
BG300AII	51.5	48.3	38.5	35.5	220	82	DN100	3600*2200*2200	5500
BG350AII	54.0	51.0	45.0	38.0	250	82	DN100	3600*2200*2200	6000
BG375AII	60.0	57.0	50.0	43.0	280	82	DN125	3600*2200*2200	6800
BG420AII	65.0	62.0	56.0	50.5	315	82	DN125	4200*2300*2350	8000
BG480AII	75.0	73.0	64.0	55.0	355	82	DN150	4200*2200*2350	8500
BG540AII	84.0	82.0	72.0	61.0	400	82	DN150	4200*2200*2350	9800

Two-stage Permanent Magnet Variable Speed BG-APMII Series

Product features

- Getting more compressed air at the same power consumption.
- Two-stage compression air end, increase the efficiency 8% on average.
- Super IE4 class, SF1.2-1.35 service factor, 97% high-efficiency energy-saving PM motor, ensure trouble-free in all weather conditions.
- Excellent oil air separation performance, outlet oil content is less than 2 ppm.
- Silent centrifugal fan, stronger wind pressure reduce the probability of heat exchanger failure.

Lower power consumption, higher air capacity.



Technical Parameters

Model	Air Delivery (m³/min)				Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
	7bar	8Bar	10bar	13bar				L * W * H	
BG30APMII	1.4-4.5	1.3-4.2	1.1-3.5	0.8-2.7	22	68	G11/2	1350*850*1110	600
BG40APMII	1.8-6.0	1.7-5.9	1.4-4.7	1.2-4.0	30	68	G11/2	1200*1000*1350	700
BG50APMII	2.3-7.5	2.1-6.9	1.8-6.0	1.6-5.4	37	68	G11/2	1500*1000*1350	750
BG60APMII	3.2-10.5	3.0-9.9	2.3-7.8	2.0-6.8	45	72	G2	2100*1300*1650	1250
BG75APMII	4.1-13.6	3.8-12.5	3.0-10.1	2.3-7.5	55	76	G2	2100*1300*1650	1300
BG100APMII	4.8-16.0	4.7-15.5	3.8-12.8	3.1-10.2	75	76	G2	2100*1300*1650	1350
BG125APMII	6.2-20.7	5.9-19.5	4.8-16.2	4.2-14.0	90	76	DN80	2500*1650*1900	2700
BG150APMII	7.4-24.8	7.2-24.0	6.1-20.2	4.8-16.0	110	76	DN80	2500*1650*1900	2800
BG175APMII	8.7-29.0	8.4-28.0	7.1-23.7	5.7-19.0	132	78	DN80	2500*1650*1900	3000
BG220APMII	10.2-34.0	9.8-32.5	8.4-28.0	6.9-23.0	160	78	DN80	3000*1900*1950	4300
BG250APMII	11.7-39.0	10.8-36.0	9.6-32.0	8.3-27.5	185	78	DN80	3000*1900*1950	4400
BG275APMII	13.1-43.5	12.3-41.0	10.7-35.5	9.5-31.5	200	78	DN100	3600*2200*2200	5000
BG300APMII	15.5-51.5	14.5-48.3	11.6-38.5	10.7-35.5	220	82	DN100	3600*2200*2200	5500
BG350APMII	16.2-54.0	15.3-51.0	13.5-45.0	11.4-38.0	250	82	DN100	3600*2200*2200	6000
BG375APMII	18.0-60.0	17.1-57.0	15.0-50.0	12.9-43.0	280	82	DN125	3600*2200*2200	6800
BG420APMII	19.5-65.0	18.6-62.0	16.8-56.0	15.2-50.5	315	82	DN125	4200*2300*2350	8000
BG480APMII	22.5-75.0	21.9-73.0	19.2-64.0	16.5-55.0	355	82	DN150	4200*2200*2350	8500
BG540APMII	25.2-84.0	24.6-82.0	21.6-72.0	18.3-61.0	400	82	DN150	4200*2200*2350	9800

System Features of Two-stage Screw Air Compressors

After the air is compressed in the first stage, it is cooled by enhanced fuel injection to reduce the temperature of the second stage suction, and the air is compressed isothermally to reduce the compression ratio. The two-stage compression uses equal pressure ratio to design the inter-stage pressure, so the compression ratio of each stage is much lower than the single-stage. The return leakage between the rotors is greatly reduced, and the volumetric efficiency and adiabatic efficiency are greatly improved, which leads to the increase of compressed air production. The compressed air production of two-stage is 15% higher than the single-stage under the same power, which means 15% efficiency up.



01 Intelligent control system

- Visually display, running status, data and fault alarm.
- Monitoring all time, pressure, power, temperature.
- The fault monitoring and alarm record.
- Timed power on and off.

02 Low-pressure Two-stage Compression Air end

- Reducing the compression ratio.
- Almost isothermal compression.
- Reducing the leakage in return.
- 15% efficiency up than single-stage.
- 6-10% efficiency up than regular two-stage.



03 PM High Efficiency Frequency Conversion Motor

- 7% efficiency up than regular motor on average.
- Eliminating no-load.
- Eliminating the residual pressure.
- Made of rare earth material, avoid starting current peak by realizing VFD start.



04 Customized Enlarged Oil & Air Pipe System

- Enlarged oil and gas pipe system, less pressure loss.
- Excellent oil gas separation performance, the outlet oil content is less than 2 ppm.

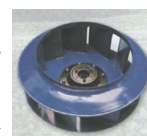


05 Customized Larger Cooling System

- Improve the heat dissipation by enlarge the radiator, ensure compressor over-heat free.
- Stable system temperature guaranteed, avoid oil gets glued or air end gets carbon deposited.

06 Silent centrifugal fan

- The whole system adopts centrifugal fan, which is more efficient and energy-saving.
- Compared with axial fans, centrifugal fan has stronger wind pressure, lower noise and more energy saving.
- Using frequency conversion fan control, the oil temperature is constantly monitored, which greatly extends the service life of the lubricant.
- Stronger wind pressure reduces the probability of heat exchanger failure.



BSC Super VSD compressor



15

Low pressure Two stage Screw Compressor

Model	power (kW)	Pressure (bar)	Capacity (m³/min)	Starting Mode	Port Size	Dimension (LxWxH) mm	Weight (kg)
BMF45-SII	45	4~5	11.5	PM&VSD	DN65	2500x1600x1740	2300
BMF55-SII	55	4~5	14.7		DN65	2500x1600x1740	2400
BMF75-SII	75	4~5	19.2		DN80	2850x1800x1912	3450
BMF90-SII	90	4~5	24.2		DN80	2850x1800x1912	3500
BMF110-SII	110	4~5	27.2		DN100	3440x2000x2320	4400
BMF132-SII	132	4~5	32.5		DN100	3440x2000x2320	4500
BMF150-SII	150	4~5	38		DN125	3720x2363x2382	7200
BMF160-SII	160	4~5	40.7		DN125	3720x2363x2382	7250
BMF170-SII	170	4~5	44		DN125	3720x2363x2382	7300

Single Stage Screw Compressor

Model	Power (kW)	Pressure (bar)	Capacity (m³/min)	Starting Mode	Port Size	Dimension (LxWxH) mm	Weight (kg)
BMF8-8	7.5	8	1.05	PM&VSD	G3/4	930x680x920	185
BMF11-8	11	8	1.7		G3/4	1010x770x1035	265
BMF15-8	15	8	2.2		G3/4	1010x770x1035	275
BMF19-8	18.5	8	2.7		G1	1200x840x1150	380
BMF22-8	22	8	3.3		G1	1200x840x1150	400
BMF30-8	30	8	5		G1 1/2	1370x950x1360	515
BMF37-8	37	8	6.3		G1 1/2	1370x950x1360	540
BMF45-8	45	8	7.25		G2	1670x1000x1500	730
BMF55-8	55	8	9		DN65	1900x1300x1660	1100

16

Low-pressure 2-Sbar Permanent Magnet Variable Speed BG-APM Series



Textile
Industry



Glass
Industry



Chemical
Industry



Pharmaceutical
Industry



Sewage
Treatment

Product features

- low pressure (3-5bar) compressors can be more than 30% energy-saving compared with general screw air compressors.
- Customized low pressure two-stage compression air end, with 1500rpm low speed, more efficient and stable.
- IP55 high standard protection level, IE4 97% efficiency PM VSD motor, ensuring trouble-free loading under poor environmental conditions.
- German KTR coupling is adopted to improve the working performance of the transmission system and prolongs the service life of the equipment.
- Best choice for 5 bar demands, high precision double filter design with fully closed housing, featured as waterproof, anti-dust, anti-vibration, adopts tough working environment such as cement and textile industry.

Technical Parameters

Model	Air Delivery (m³/min)	Working pressure (Mpa)	Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
						L * W * H	
BG50APM	11.8	0.3	37	72	DN80	2100*1300*1650	1300
	10.0	0.4	37	72	DN80	2100*1300*1650	1300
	8.0	0.5	37	72	G2	1700*1200*1550	900
BG60APM	17.0	0.2	45	72	DN100	2500*1650*1900	2500
	13.5	0.3	45	72	DN80	2100*1300*1650	1500
	11.8	0.4	45	72	DN80	2100*1300*1650	1500
BG75APM	10.0	0.5	45	72	G2	1700*1200*1550	950
	20.5	0.2	55	72	DN125	2500*1650*1900	2900
	17.0	0.3	55	72	DN100	2500*1650*1900	2900
BG100APM	14.2	0.4	55	72	DN80	2100*1300*1650	1800
	13.3	0.5	55	72	G2	2100*1300*1650	1550
	27.0	0.2	75	76	DN125	2500*1650*1900	3000
BG125APM	24.0	0.3	75	76	DN100	2500*1650*1900	3000
	20.5	0.4	75	76	DN100	2500*1650*1900	2900
	17.0	0.5	75	76	G2	2100*1300*1650	1550
BG150APM	34.0	0.2	90	76	DN125	3000*1900*1950	3500
	28.0	0.3	90	76	DN100	2500*1650*1900	3100
	24.0	0.4	90	76	DN100	2500*1650*1900	3000
BG175APM	20.0	0.5	90	76	DN80	2500*1650*1900	2950
	43.0	0.2	110	76	DN200	3600*2200*2200	5300
	34.0	0.3	110	76	DN125	3000*1900*1950	4000
BG220APM	29.6	0.4	110	76	DN100	3000*1900*1950	3500
	24.0	0.5	110	76	DN80	3000*1900*1950	3200
	52.0	0.2	132	76	DN200	3600*2200*2200	5800
BG220APM	42.0	0.3	132	76	DN125	3000*1900*1950	4300
	36.5	0.4	132	76	DN100	3000*1900*1950	4100
	30.5	0.5	132	76	DN80	3000*1900*1950	3700
BG220APM	60.0	0.2	160	78	DN200	3600*2200*2200	6500
	50.0	0.3	160	78	DN200	3600*2200*2200	6200
	44.0	0.4	160	78	DN100	3000*1900*1950	4300
BG220APM	37.0	0.5	160	78	DN100	3000*1900*1950	4000

Low-pressure 5.Sbar Two-stage Permanent Magnet Variable Speed BG-APMII Series

Product features

- Screw air end with large rotor and low rotary speed, high performance operation.
- Enlarged oil and gas pipe system, less pressure loss.
- Excellent oil gas separation performance, the outlet oil content is less than 2 ppm.
- The area of the oil radiator is increased more than 30% to ensure normal operation in high temperature climate without overheating.
- Separately design the compression ration of the air end, to ensure the best specific power.
- The air from low pressure screw machine is clean, reducing the times to clean the nozzle of texturing machine, improving the quality of finished products.
- Intelligent control system, adjust the air delivery automatically based on using (VFD models).
- Networking module is optional, you can know the operation of machine through mobile at anytime anywhere.



Technical Parameters

Model	Air Delivery (m³/min)	Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
	5.5Bar				L * W * H	
BG60APMII	12.0	45	68	DN65	2450*1700*1760	1450
BG75APMII	15.0	55	70	DN65	2450*1700*1760	1800
BG100APMII	19.2	75	70	DN65	2450*1700*1760	2000
BG125APMII	23.0	90	72	DN80	2604*1904*1892	2700
BG150APMII	27.90	110	72	DN80	2604*1904*1892	3200
BG175APMII	33.30	132	72	DN100	3000*1900*1950	3100
BG220APMII	41.50	160	78	DN100	3000*1900*1950	4400
BG250APMII	43.50	185	78	DN125	3600*2200*2200	5500
BG270APMII	50.50	200	78	DN125	3600*2200*2200	6000
BG300APMII	55.06	220	80	DN150	4000*2300*2300	6800
BG350APMII	60.45	250	80	DN150	4000*2300*2300	7500

Oil-free Screw Blower BPM Series

- **Class 0 Oil-free**

The special labyrinth and screw seal assembly ensure that the compression chamber is completely oil-free, reaching Class 0 level.

- **Low Energy Consumption**

The oil-free screw blower is based on the principle of adiabatic compression with a total efficiency over 75%, which is 20-35% efficiency more than Roots Blowers. Higher discharge pressure, lower pressure pulsation.

- **Low Noise**

Low aerodynamic noise, smooth output, waved inlet and discharge minimize airflow fluctuations, less noisy than traditional blowers.

- **Intelligent**

Intelligent PLC Control, remotable and multiple language support, user-friendly.

- **Low Cost**

Optimized structural design, stable operation, no foundation required, maximize customer's benefits.

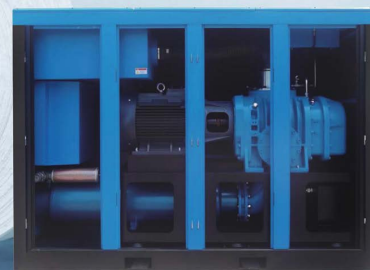


As a new environmental protection and energy-saving product, oil-free screw blower is widely used in various industries of production and life. Especially in sewage treatment, textile, cement, chemical, power plant and other industries.



Application

- Sewage treatment industry
- Aeration
- Thermal power plant
- Cement industry
- Gas delivery
- Textile Engineering
- Filters backwash



Technical Parameters

Model	Power (kW)	Pressure (bar/kpa)	Air Delivery (m³/min)	Pipe Diameter	Dimension(mm)	Weight (kg)
BG7.5BPM	5.5	0.4/40 0.6/60	4.0 3.2	DN150	1400*1100*1360	700
BG10BPM	7.5	0.4/40 0.6/60 0.8/80	6.4 4.8 3.5	DN150	1400*1100*1360	750
BG15BPM	11	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120	9.0 7.5 6.0 4.8 4.0	DN150	1400*1100*1360	800
BG20BPM	15	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150	12.0 10.5 8.3 6.7 5.8 4.5	DN150	2200*1250*1900 1400*1100*1360	1200 800
BG25BPM	18.5	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150	16.2 13.1 10.3 9.2 7.5 6.0	DN150	2200*1250*1900 1400*1100*1360	1250 800
BG30BPM	22	0.4/40 0.6/60 0.7/70 0.8/80 1.0/100 1.2/120 1.5/150	22.0 19.0 16.0 14.5 13.0 9.5 8.8	DN150	2200*1250*1900 1400*1100*1360	1250 850
BG40BPM	30	0.4/40 0.6/60 0.7/70 0.8/80 1.0/100 1.2/120 1.5/150 1.7/170	28.0 26.0 23.5 21.5 15.8 12.5 10.5 7.5	DN150	2200*1250*1900 1400*1100*1360	1250 800
BG50BPM	37	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150	38.0 35.0 32.0 28.0 21.5 15.5	DN200	2700*1400*1900 2200*1250*1900	1750 1250
BG60BPM	45	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.7/170	44.0 42.0 38.0 33.5 28.0 21.0 15.5 12.7	DN200	2700*1400*1900 2200*1250*1900	1750 1300
BG75BPM	55	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180	55.0 48.0 44.0 35.0 31.0 21.0 16.5	DN200	2700*1400*1900 2200*1250*1900	1800 1750
BG100BPM	75	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	68.0 61.0 55.0 51.0 47.0 42.5 34.0 27.0 24.5	DN250	3100*1500*2150 2700*1400*1900	2200 1800 1750 1400

Model	Power (kW)	Pressure (bar/kpa)	Air Delivery (m³/min)	Pipe Diameter	Dimension(mm)	Weight (kg)
BG125BPM	90	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	98.0 78.0 68.0 61.0 50.0 42.0 34.0 30.5	DN300	3300*1750*2350	2550
BG150BPM	110	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	113.0 92.0 78.0 67.5 60.0 49.0 41.5 37.5	DN250	3100*1500*2150	2250
BG180BPM	132	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	112.0 98.0 81.0 73.0 71.0 58.0 48.0 44.0	DN300	3300*1750*2350	2600
BG220BPM	160	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150	180.0 130.0 111.0 101.0 89.0 80.0	DN300	3600*2100*2350 3300*1750*2350	3500 2750
BG250BPM	185	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	203.0 154.0 129.0 110.0 96.0 83.0 66.5 60.0	DN300	3600*2100*2350 3300*1750*2350	3500 2800
BG270BPM	200	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	212.0 177.0 144.0 110.0 90.0 76.0 66.0 60.0	DN300	3600*2100*2350 3300*1750*2350	3600 2800
BG300BPM	220	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	220.0 182.0 150.0 127.0 100.0 86.0 73.0 66.0	DN300	3600*2100*2350 3300*1750*2350	3600 2800
BG350BPM	250	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	220.0 182.0 150.0 125.0 109.0 95.0 85.0 73.0	DN300	3600*2100*2350 3300*1750*2350	3800 2700
BG380BPM	280	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	220.0 178.0 162.0 148.0 130.0 110.0 92.0 80.0	DN300	3600*2100*2350 3300*1750*2350	3800 4000
BG420BPM	315	0.4/40 0.6/60 0.8/80 1.0/100 1.2/120 1.5/150 1.8/180 2.0/200	220.0 178.0 162.0 148.0 130.0 110.0 92.0 80.0	DN300	3600*2100*2350 3300*1750*2350	4100 4200

Dry Oil-free Screw Air Compressor RDO Series

The air quality of dry oil-free air compressor complies with the requirement of Class 0 in terms of total oil content, as defined in ISO 8573-1.



Dry oil-free screw air compressor is widely used in Food, Medicine, Electronics, Chemicals, Semiconductor Printings, Precision Spraying and other industries.



Original German Air-end with World Well-know Screw Technology

Adopt original German air end with high durability and good quality, which is perfect for compressing pure and clean air.

New Noise Reduction Design - Venturi Tube Muffler

The first and second stage of the air-end all adopt the newly developed venturi muffler, and there is also an impedance integrated muffler, which can greatly eliminate the noise emitted by the compressor pipeline.



Technical Parameters

Model	Air Delivery (m³/min)			Power (kW)	Noise dB(A)	Outlet diameter	Dimension (mm) L * W * H		Weight (Kg)	
	7 bar	8 Bar	10 bar				Air-cooled	Water-cooled	Air-cooled	Water-cooled
RDO-45AW	4.5-7.8	4.0-6.8	3.7-6.4	45	69±3	DN50	2200*1400*2000	2200*1500*1720	2850	2700
RDO-55AW	5.7-9.8	5.2-9.0	4.4-7.8	55	69±3	DN50	2200*1400*2000	2200*1500*1720	2850	2900
RDO-75AW	7.6-13.0	7.2-12.2	6.6-11.2	75	70±3	DN50	2200*1400*2000	2200*1500*1720	2950	2900
RDO-90AW	9.6-16.0	8.1-13.8	7.6-13.1	90	71±3	DN50	2200*1400*2000	2200*1500*1720	3000	2950
RDO-110AW	12.1-20.6	11.6-19.5	11.1-18.8	110	71±3	DN65	3000*1990*2180	2800*1900*1990	3500	3550
RDO-132AW	14.7-24.8	13.6-23.0	11.5-19.5	132	73±3	DN65	3000*1990*2180	2800*1900*1990	3550	3600
RDO-160AW	16.9-28.5	15.6-26.3	14.1-23.8	160	73±3	DN65	3000*1990*2180	2800*1900*1990	3650	3750
RDO-185AW	19.5-32.8	17.1-28.9	16.3-27.5	185	74±3	DN65	3000*1990*2180	2800*1900*1990	4100	4200
RDO-200AW	21.8-36.8	20.4-34.6	18.1-30.6	200	74±3	DN100	4500*2000*2100	3100*2100*2065	5100	4500
RDO-220AW	24.9-41.5	22.4-37.3	19.8-33.0	220	74±3	DN100	4500*2000*2100	3100*2100*2065	5600	5000
RDO-250AW	27.3-46.0	25.3-42.8	22.7-38.2	250	74±3	DN100	4500*2000*2100	3100*2100*2065	5700	5200
RDO-280AW	31.6-48.6	30.9-47.5	29.3-45.0	280	76±3	DN100	4500*2000*2100	3100*2100*2065	5800	5300
RDO-315AW	34.1-52.5	32.9-50.6	31.5-48.5	315	77±3	DN100	4500*2000*2100	3100*2100*2065	6000	5400

Note

"A" means air cooling, "W" means water cooling.

Oil-free Water Lubricated Screw Air Compressor RW Series

Product features

- **Optimal Water Lubricated Screw Unit**

The oil-free water lubricated screw unit adopts PEEK ultra-high-strength ultra-wear-resistant molecular material and aerospace-grade all-stainless steel rotor. The system piping and housing are also made of stainless steel.

- **Class 0 Oil-free**

Water is used for lubrication, cooling, sealing and noise reduction. 100% oil-free and pollution-free, the used water is environmentally friendly and can be drained directly.

- **Reliable Solenoid Valve**

Danfoss and ODE solenoid valves are selected, high sensitivity & longer lifetime.

- **Less Consumables and Easy Operation**

Air filter and water filter only. Lubricating water is automatically replenished and drained regularly.



Technical Parameters

Model	Air Delivery (m³/min)			Power (kW)	Lubricating water amount (Liters)	Cooling water amount T/Hour	Cooling water inlet/outlet diameter	Noise dB(A)	Outlet diameter	Dimension (mm) L * W * H	Weight (Kg)
	8 bar	10 Bar	12.5 bar								
RW-08AW	1.17	1.05	0.81	7.5	10	2.0	3/4"	58	3/4"	800*800*1200	470
RW-11AW	1.65	1.42	1.10	11	26	2.5	1"	60	3/4"	1150*755*1340	580
RW-15AW	2.43	2.17	1.80	15	26	3.5	1"	63	3/4"	1150*755*1340	650
RW-18AW	3.13	2.82	2.05	18.5	30	4.0	1"	65	1"	1400*900*1450	705
RW-22AW	3.52	3.21	2.78	22	30	5.0	1"	65	1"	1400*900*1450	745
RW-30AW	5.12	4.43	3.63	30	40	7.0	1 1/2"	67	1 1/4"	1550*1150*1550(A) 1500*1150*1300(W)	1100
RW-37AW	6.30	5.33	4.77	37	40	9.0	1 1/2"	67	1 1/4"	1550*1150*1550(A) 1500*1150*1300(W)	1150
RW-45AW	7.40	6.30	5.56	45	90	10.0	1 1/2"	68	2"	1980*1300*1760(A) 1800*1300*1670(W)	1390
RW-55AW	9.60	8.55	7.67	55	120	12.0	1 1/2"	70	2"	1980*1300*1760(A) 1800*1300*1670(W)	1470
RW-75AW	13.00	11.50	9.70	75	120	18.0	1 1/2"	73	2"	2100*1600*1900(A) 2200*1500*1800(W)	2250(A) 1630(W)
RW-90AW	14.80	13.90	12.60	90	180	20.0	1 1/2"	73	2 1/2"	2400*1600*2000(A) 2200*1500*1800(W)	2650(A) 2350(W)
RW-110AW	19.85	16.66	15.56	110	180	24.0	2"	78	2 1/2"	3000*1700*2250(A) 2200*1500*1800(W)	3150(A) 2460(W)
RW-132AW	23.10	19.97	16.90	132	240	30.0	2"	78	2 1/2"	3000*1700*2250(A) 2200*1500*1800(W)	3500(A) 2500(W)
RW-160W	28.11	25.45	22.52	160	240	35.0	3"	80	DN80	2700*1800*2050	3700
RW-185W	33.97	29.00	25.21	185	300	38.0	3"	80	DN80	2700*1800*2050	3750
RW-200W	36.75	32.78	29.24	200	300	42.0	4"	80	DN100	2700*1800*2050	3900
RW-220W	39.67	36.75	29.63	220	360	47.0	4"	80	DN100	2700*1800*2050	4200
RW-250W	43.50	39.30	34.00	250	360	58.0	4"	80	DN100	2700*1800*2050	4600

Note

"A" means air cooling, "W" means water cooling.

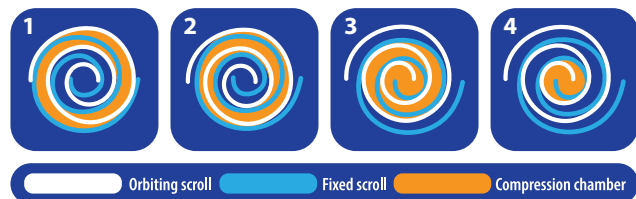
Technical Parameters

- Food
- Medicine
- Electronics
- Chemicals
- Aerospace fields
- Semiconductor
- Precision Spraying
- Biological Engineering
- Medical Instruments

Oil-free Scroll Air Compressor RO Series

Scroll Compression Principle

As the orbiting scroll goes from No. 1 to No.4 position, the room of the symmetrical crescent-shaped compression chambers is gradually reduced, compressing the air contained within. This is then discharged through the central exhaust port.



Fully Oil-free

Class 0 oil-free is certified by German TUV organization.



Low Vibration

The high-pressure area around the axis is evenly distributed, without eccentricity, good balance and well controlled vibration.



Super Silent

Reasonable vibration and noise reduction design, smooth output airflow without fluctuation, low noise and low vibration.



Intelligent and Reliable

Multi-stage scroll air-ends, automatically controls the scroll units according to the air demand. Failed air-end doesn't affect to the system as all units are controlled independently.

Compared with the traditional compressor, the oil-free scroll type has excellent performance such as novel structure, compact size, light weight, low noise level, long life and low maintenance cost. It is known as "maintenance-free air compressor" and is an ideal model for air compressors below 50HP.

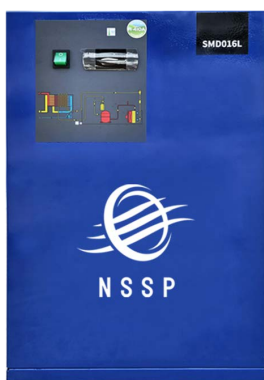


Technical Parameters

Model	Air Delivery (m³/min)		Power (kW)	Air-end	Air tank	Noise dB(A)	Outlet diameter	Dimension (mm) L * W * H	Weight (Kg)
	8 Bar	10 Bar		Power * Qty	Liters				
RO-2.2AT	0.24	0.22	2.2	2.2*1	40	55	G1/2	700*500*1220	160
RO-3.7AT	0.40	0.34	3.7	3.7*1	40	55	G1/2	700*500*1220	170
RO-2.2A	0.24	0.22	2.2	2.2*1	/	55	G1/2	650*500*870	125
RO-3.7A	0.40	0.34	3.7	3.7*1	/	55	G1/2	650*500*870	135
RO-5.5A	0.60	0.55	5.5	5.5*1	/	55	G1/2	790*640*1050	190
RO-7.5A	0.80	0.68	7.4	3.7*2	/	60	G1/2	980*675*1270	350
RO-11A	1.20	1.10	11	5.5*2	/	60	G3/4	852*1274*1330	450
RO-15A	1.60	1.36	14.8	3.7*4	/	63	G1 1/2	1565*1274*1330	700
RO-16.5A	1.80	1.65	16.5	5.5*3	/	63	G1 1/2	1565*1274*1330	710
RO-22A	2.40	2.20	22	5.5*4	/	63	G1 1/2	1565*1274*1330	730
RO-33A	3.60	3.30	33	5.5*6	/	65	G1 1/2	1565*1274*1775	1020
RO-44A	4.80	4.40	44	5.5*8	/	68	G1 1/2	1565*1274*1775	1250

SM Refrigerant Dryer

Product features



Excellent performance

- Efficient plate fin heat exchanger
- Professional water removal function
- Low relative humidity of outlet air
- Dewpoint 2-10°C

Energy saving and carbon

- Compared to shell and tube refrigerant air dryer, the energy consumption is reduced by 50%
- Optimized refrigeration system

Safe and reliable

- Industrial grade refrigerant compressor
- Optimized pipeline connection, reducing welding points to 5
- Intelligent controller



Safe and reliable

The design of the box board is sturdy and durable, ensuring the safety and reliability of equipment installation and operation



Intelligent temperature controller

Display dew point. Condensation temperature operation mode. Remote start stop of fault information



Famous compressors

All series of products use refrigeration compressors such as Hitachi, Invec, and Danfoss



Efficient aluminum plate fin heat exchanger

Aluminum magnesium alloy material is corrosion-resistant and rust-proof, with efficient heat exchange and built-in wire mesh separator, achieving good water removal



Electronic drain valve

Time module, reliable and durable interval drainage, fully automatic, maintenance-free

Technical Parameters

Standard Conditions: Environmental temperature 35 °C; Inlet temperature <45°C. Inlet pressure >0.7Mpa; Under standard operating conditions, the pressure dew point is 2-10°C; ipsum

Extreme Conditions: Environmental temperature <45 °C. Inlet temperature <60°C Inlet pressure > 0.5Mpa; Equipment pressure: below SMDI 35L (including) ≤1.6Mpa; above SMDI 70L (including) ≤1.3Mpa

Model	Capacity (Nm ³ /min)	Refrigerant	Supply	Related Power (kW)	Weight (kg)	Connection	L*W*H (mm)
SMD016L	1.6	R410A	220V50HZ/1PH	0.41	35	G1	530*410*635
SMD026L	2.6	R410A	220V50HZ/1PH	0.75	42	G1	530*410*635
SMD038L	3.8	R410A	220V50HZ/1PH	0.77	55	G1-1/2	530*535*750
SMD065L	6.5	R410A	220V50HZ/1PH	1.23	70	G1-1/2	530*535*750
SMD085L	8.5	R410A	220V50HZ/1PH	1.62	80	G1-1/2	530*535*750
SMD115L	11.5	R410A	220V50HZ/1PH	2.38	110	G2	850*750*920
SMD135L	13.5	R410A	220V50HZ/1PH	2.65	120	G2	850*750*920
SMD170L	17.0	R410A	220V50HZ/1PH	3.25	150	G2-1/2	920*850*1150
SMD200L	20.0	R407C	380V50HZ/3PH	2.93	170	G2-1/2	920*850*1150
SMD250L	25.0	R407C	380V50HZ/3PH	3.58	200	G3	920*850*1150
SMD340L	34.0	R407C	380V50HZ/3PH	4.96	320	DN100	1150*1050*1600
SMD400L	40.0	R407C	380V50HZ/3PH	5.53	335	DN100	1150*1050*1600
SMD500L	50.0	R407C	380V50HZ/3PH	7.47	350	DN100	1150*1050*1600
SMD600L	60.0	R407C	380V50HZ/3PH	8.88	500	DN150	2160*1050*1600
SMD750L	75.0	R407C	380V50HZ/3PH	10.75	550	DN150	2160*1050*1600
SMD800L	80.0	R407C	380V50HZ/3PH	11.34	600	DN150	2160*1050*1600
SMD1000L	100.0	R407C	380V50HZ/3PH	14.55	650	DN150	2160*1050*1600

Correction coefficient KA for work						
0.3	0.4	0.5	0.6	0.7	0.8	1
0.65	0.8	0.88	0.92	1	1.04	1.11

Selection and processing capacity 0.65
= Actual nominal volumetric flow rate
(m³/min) / KA/ KB

Intake air temperature correction coefficient						
20	25	30	35	38	40	45
1.25	1.15	1.1	1.05	1	0.9	0.78

DSC Series Heated Desiccant Air Dryer

Compared to heatless dryer, the heated desiccant air dryer has heater in system. The desiccant adsorb the moisture under the working pressure by heating compressed air on regeneration process. By this way, can save air loss better than heatless type dryer.



Standard conditions	
Inlet temperature	≤45 °C
Ambient temperature	≤45 °C
Working pressure	5~13bar/13~40bar (Optional)
Inlet oil content	≤0.1ppm (w)
Pressure drop	≤0.21bar
Dew-point	-20 °C/-40 °C/-70 °C(Optional)
Air loss	≤6%

Note
Other requirements can be customized

Technical Parameters

Model	Air Capacity (Nm³/min)	Voltage (V/Hz)	Power (kW)	Inlet/Outlet (PT)	Dimension (mm)			Weight (Kg)
					Length	Width	Height	
DSC-01	1.2	220V/50HZ	0.5	RC1"	670	500	1305	135
DSC-02	2.4	220V/50HZ	0.8	RC1"	670	580	1685	170
DSC-03	3.2	220V/50HZ	1.0	RC1"	850	580	1450	240
DSC-06	6.5	220V/50HZ	1.8	RC1 1/2"	1025	700	1700	285
DSC-08	8.5	220V/50HZ	2.4	RC2"	1100	700	2050	355
DSC-10	11.5	380V/50HZ	3.0	RC2"	1200	500	2173	526
DSC-12	13.5	380V/50HZ	3.0	RC2"	1300	500	2183	605
DSC-15	17	380V/50HZ	4.5	DN65	1280	820	2360	712
DSC-20	23	380V/50HZ	6.0	DN80	1400	930	2530	848
DSC-25	27	380V/50HZ	7.5	DN80	1650	990	2450	1150
DSC-30	34	380V/50HZ	9.0	DN80	1700	955	2410	1328
DSC-40	45	380V/50HZ	12	DN100	1950	1000	2550	1674
DSC-50	55	380V/50HZ	15	DN100	2010	1170	2650	2100
DSC-60	65	380V/50HZ	18	DN125	2160	1470	2705	2707
DSC-80	85	380V/50HZ	24	DN150	2420	1550	2800	3573
DSC-100	110	380V/50HZ	30	DN150	2500	1650	2800	4639
DSC-120	130	380V/50HZ	36	DN150	2650	1650	2800	5100
DSC-150	155	380V/50HZ	45	DN200	2800	1300	2900	5586

DSX Series Heatless Desiccant Air Dryer

Heatless dryer adopts pressure swing adsorption technology, the desiccant has different adsorb performances under different working pressure. The desiccant adsorb the moisture under the working pressure and desorption under the atmospheric pressure. The system with two towers for the periodic auto switching, one tower on adsorption, the other one on regeneration, simple structure and easy to maintenance.



Standard conditions	
Inlet temperature	≤45 °C
Ambient temperature	≤45 °C
Working pressure	5~13bar/13~40bar (Optional)
Inlet oil content	≤0.1ppm (w)
Pressure drop	≤0.21bar
Dew-point	-20 °C/-40 °C (Optional)
Air loss	≤14.5%

Note
Other requirements can be customized

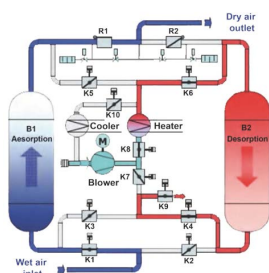
Technical Parameters

Model	Air Capacity (Nm³/min)	Voltage (V/Hz)	Power (kW)	Inlet/Outlet (PT)	Dimension (mm)			Weight (Kg)
					Length	Width	Height	
DSX-01	1.2	220V/50HZ	0.2	RC1"	670	460	1305	105
DSX-02	2.4	220V/50HZ	0.2	RC1"	670	450	1485	135
DSX-03	3.2	220V/50HZ	0.2	RC1"	850	500	1385	187
DSX-06	6.5	220V/50HZ	0.2	RC1 1/2"	1000	700	1700	238
DSX-08	8.5	220V/50HZ	0.2	RC2"	1100	700	2050	282
DSX-10	11.5	220V/50HZ	0.2	RC2"	1200	700	2030	466
DSX-12	13.5	220V/50HZ	0.2	RC2"	1300	700	2280	520
DSX-15	17	220V/50HZ	0.2	DN65	1300	820	2480	670
DSX-20	23	220V/50HZ	0.2	DN80	1380	820	2530	798
DSX-25	27	220V/50HZ	0.2	DN80	1650	900	2450	980
DSX-30	34	220V/50HZ	0.2	DN80	1700	955	2410	1278
DSX-40	45	220V/50HZ	0.2	DN100	1950	1000	2550	1624
DSX-50	55	220V/50HZ	0.2	DN100	2010	1170	2650	1624
DSX-60	65	220V/50HZ	0.2	DN100	2160	1470	2705	2650
DSX-80	85	220V/50HZ	0.2	DN125	2420	1550	2800	3520
DSX-100	110	220V/50HZ	0.2	DN150	2500	1650	2800	4320
DSX-120	130	220V/50HZ	0.2	DN150	2650	1650	2800	4750
DSX-150	155	220V/50HZ	0.2	DN200	2800	1700	2900	5260

SGD Series Zero Loss Blower Heat Desiccant Air Dryer

Product features

- Zero loss blower desiccant air dryer is a kind of energy-saving compressed air treatment product, composed of the following components: Two adsorption towers, one electric heater, one air blower, one after-cooler, one set of switching valves and one set of controlling system.
- When the compressed air flows through the fixed bed layers of adsorption tower, the moisture will be adsorbed by desiccant, after the desiccant get saturated, regenerate the desiccant by hot air to recover its adsorption capacity. Use the air blower sucking the ambient air to cooling the desiccant, full system without air loss.



Standard conditions

Working pressure	6~13bar/13~40bar (Optional)
Inlet temperature	40 °C
Ambient temperature	≤45 °C
Dew-point	≤-40 °C
Air loss	0%
Inlet oil content	<0.1ppm (w)
Switch time	5 hr

Desiccant activate alumina molecular sieve



Technical Parameters

	Model	SGD-12	SGD-15	SGD-20	SGD-25	SGD-30	SGD-40	SGD-50	SGD-60	SGD-80	SGD-100
Capacity	m3/min	13	17	23	27	34	45	55	65	87	110
Heating power	kW	9	12	15	18	24	32.4	42	48	64.8	81
Blower power	kW	2.2	3	3.3	4.2	5.5	7.2	8.8	10.8	13.8	17.5
Air pipe connection		DN50	DN50	DN65	DN80	DN80	DN100	DN100	DN125	DN150	DN150
Weight	Kg	950	1150	1380	1720	2060	2750	3430	4120	5500	6300
Dimension(mm)	L	1500	1600	1750	1900	2100	2530	2750	2920	3040	3210
	W	1450	1450	1500	1550	1550	2180	2390	2510	2780	2920
	H	2150	2450	2780	2880	2100	2920	3100	3080	3120	3200

Carbon Steel Gas Tank (0.8Mpa-1.3Mpa)

Gas tank is not only for gas storage but stabilize system pressure.

Function

- Gas storage.
- Steady gas pressure.
- Relieve the damage caused by impulse pressure direct impact equipment.
- Ensure the stability and continuity of the output gas.
- Separation of moisture and impurities in the gas preliminarily.



Technical Parameters

Serial number	Specifications Volume/work pressure (m³/Mpa)	Container height (mm)	Inside diameter of vessel Φ	Gas inlet (mm)		Gas outlet (mm)		Support D	Drain valve connector	Safety valve connector	Air compressor (m³/min)	Weight(Kg)	
				H1	H2	H3	DN					Flange	Threaded
1	0.6/0.8	2102	650	680	1680	1680	40	460	24	R1/2"	R1/2"	148	139
2	0.6/1.0	2104	681	681	1680	1680	40	460	24	R1/2"	R1/2"	170	163
3	0.6/1.3	2104	681	681	1680	1680	40	460	24	R1/2"	R1/2"	198	191
4	1.0/0.8	2180	716	716	1716	1716	40	560	24	R1/2"	R3/4"	215	208
5	1.0/1.0	2182	716	716	1716	1716	40	560	24	R1/2"	R3/4"	200	194
6	1.0/1.3	2183	720	720	1716	1716	40	560	24	R1/2"	R3/4"	250	244
7	1.5/0.8	2460	692	692	1942	1942	40	660	24	R1/2"	R3/4"	278	270
8	1.5/1.0	2460	692	692	1942	1942	40	660	24	R1/2"	R3/4"	278	270
9	1.5/1.3	2460	694	694	1944	1944	40	660	24	R1/2"	R3/4"	362	354
10	2.0/0.8	2600	760	760	2210	2210	50	740	24	R1/2"	R1 1/4"	342	334
11	2.0/1.0	2600	760	760	2210	2210	50	740	24	R1/2"	R1 1/4"	375	367
12	2.0/1.3	2600	760	760	2210	2210	50	740	24	R1/2"	R1 1/4"	442	434
13	3.0/0.8	2850	1210	1210	2160	2160	80	950	24	R3/4"	R1 1/2"	513	505
14	3.0/1.0	2850	1210	1210	2160	2160	80	950	24	R3/4"	R1 1/2"	599	591
15	3.0/1.3	2850	1210	1210	2160	2160	80	950	24	R3/4"	R1 1/2"	767	759
16	4.0/0.8	3640	1300	1300	2960	2960	80	950	25	R3/4"	R1 1/2"	636	628
17	4.0/1.0	3640	1300	1300	2960	2960	80	950	25	R3/4"	R1 1/2"	751	743
18	4.0/1.3	3642	1310	1310	2960	2960	80	950	25	R3/4"	R1 1/2"	901	893
19	5.0/0.8	3880	1400	1400	3210	3210	80	1050	30	R3/4"	R2"	794	786
20	5.0/1.0	3880	1400	1400	3210	3210	80	1050	30	R3/4"	R2"	960	952
21	5.0/1.3	3884	1410	1410	3210	3210	80	1050	30	R3/4"	R2"	1152	1144
22	6.0/0.8	4540	1400	1400	3730	3730	80	1050	30	R3/4"	R2"	891	883
23	6.0/1.0	4540	1400	1400	3730	3730	80	1050	30	R3/4"	R2"	1043	1035
24	6.0/1.3	4540	1400	1400	3730	3730	80	1050	30	R3/4"	R2"	1252	1244
25	8.0/0.8	4560	1125	1125	3785	3785	125	1200	30	R1"	R2"	1260	1252
26	8.0/1.0	4560	1125	1125	3785	3785	125	1200	30	R1"	R2"	1650	1642
27	8.0/1.3	4565	1125	1125	3785	3785	125	1200	30	R1"	R2"	1980	1972
28	100/0.8	4680	1268	1268	3658	3658	125	1300	30	R1"	R2"	1848	1840
29	101/1.0	4680	1268	1268	3658	3658	125	1300	30	R1"	R2"	2218	2210
30	101/1.3	4682	1268	1268	3658	3658	125	1300	30	R1"	R2"	2502	2494
31	150/0.8	5755	1241	1241	4441	4441	125	1500	30	R1"	R2"	2002	1994
32	151/1.0	5785	1241	1241	4441	4441	125	1500	30	R1"	R2"	2502	2494
33	151/1.3	5785	1241	1241	4441	4441	125	1500	30	R1"	R2"	3002	2994
34	200/0.8	6088	1446	1446	4846	4846	125	1540	30	R1"	R2"	2885	2877
35	201/1.0	6088	1446	1446	4846	4846	125	1540	30	R1"	R2"	3385	3377
36	201/1.3	6088	1446	1446	4846	4846	125	1540	30	R1"	R2"	3885	3877
37	250/0.8	6224	1420	1420	5000	5000	125	1800	30	R1"	R2"	3404	3396
38	251/1.0	6228	1422	1422	5000	5000	125	1800	30	R1"	R2"	4122	4114
39	251/1.3	6232	1424	1424	5000	5000	125	1800	30	R1"	R2"	5000	4992
40	300/0.8	6600	1650	1650	4850	4850	150	1950	30	R1"	R2 1/2"	4640	4632
41	301/1.0	6600	1650	1650	4850	4850	150	1950	30	R1"	R2 1/2"	5520	5512
42	301/1.3	6600	1650	1650	4850	4850	150	1950	30	R1"	R2 1/2"	6400	6392
43	400/0.8	8150	1637	1637	6637	6637	150	1950	30	R1 1/2"	R2 1/2"	5800	5792
44	401/1.0	8150	1637	1637	6637	6637	150	1950	30	R1 1/2"	R2 1/2"	6680	6672
45	401/1.3	8158	1640	1640	6640	6640	150	1950	30	R1 1/2"	R2 1/2"	7560	7552
46	500/0.8	9402	2000	2000	4500	4500	150	1920	30	R1 1/2"	R2 1/2"	8400	8392
47	501/1.0	9406	2000	2000	4500	4500	150	1920	30	R1 1/2"	R2 1/2"	9280	9272
48	501/1.3	9410	2000	2000	4500	4500	150	1920	30	R1 1/2"	R2 1/2"	10160	10152

Mainline Filter WS & FWS High Efficiency Cyclone Water Separator



Filter model	Flow Rate (Nm³/min.)	Interface c	H (mm)	W (mm)	Type of filter element
CJ-005*	0.7	1/2"	165	74	FJ-005*
CJ-010*	1.2	1/2" 3/4" 1"	240	95	FJ-010*
CJ-020*	2.3	1/2" 3/4" 1"	280	95	FJ-020*
CJ-030*	3.5	1-1/2"	302	125	FJ-030*
CJ-050*	5.7	1-1/2"	421	125	FJ-050*
CJ-070*	7.8	1-1/2"	421	125	FJ-070*
CJ-110*	11.6	2"	550	170	FJ-110*
CJ-150*	15.5	2"	550	170	FJ-150*
CJX-200*	20.8	2-1/2"	640	205	FJX-200*
CJX-250*	25.3	2-1/2"	640	205	FJX-250*
CJX-300*	30.8	3"	792	205	FJX-300*
CJX-400*	40.5	4"	840	208	FJX-400*

Filter accuracy of ffilter element

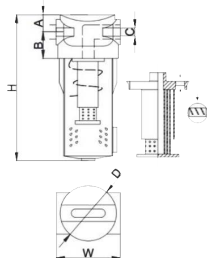
C	T	A	X	F
Main pipeline oil-water filtration accuracy ≤ 3um residual oil content ≤ 3ppm	Dust removal and filtration accuracy of the main pipeline ≤ 1um, residual oil ≤ 1ppm	Efficient oil removal, filtration, filtration accuracy ≤ 0.01um, residual oil content ≤ 0.01ppm	Ultra efficient oil removal filtration accuracy ≤ 0.01um residual oil content ≤ 0.003ppm	Ultra efficient dust removal and filtration accuracy ≤ 0.01um

High-efficiency Cyclone Air-water Separator

An air-water separator installed before the compressed air filter and drying equipment can remove 99% of the liquid water, making after purification equipment more efficient. The unique two-stage cyclone separation design of air-water separator makes it more efficiency than the traditional air-water separator. The installation position is inside the air compressor, after the storage tank, before the air dryer.

Technical Parameters

Filter Model	Flow Rate (Nm ³ /min)	Interface	Width(mm)	Height(mm)	A(mm)	B(mm)
QS01	0.6-2	3/4"	95	235	32	51
QS02	3-5	1"	95	276	32	51
QS03	6-8	1-1/2"	125	302	38	65
QS05	9-15	1-1/2"	125	420	38	65
QS10	16-30	2"	170	545	46	82
QS15	30-40	2-1/2"	175	730	51	94
QS20	40-50	3"	220	600	65	110
QS30	50-60	4"	220	620	65	110



NSSP Premium Compressor Oil

is a premium quality lubricant specifically designed to extend fluid service life in rotary screw air compressor applications, suitable in either continuous or intermittent service in compressor at high discharge temperature. They are formulated with highly refined synthetic blend oil. The natural oxidation stability of the base oils provides longer service life between oil changes.



Features and Benefits

Features	Benefits
Resistance to fluid breakdown caused by air at high temperature	- Extend oil change up to 4,000 hrs @90°C for rotary screw - Increases compressor efficiency - Increase reliability and reduces maintenance cost - Reduces build up of sludge and carbon
Oil volatility lower than competitor	- Reduces oil consumption - Give less oil carry-over into air system
Good anti-wear protection	- Help to reduce liner, ring and piston wear in reciprocating compressor
Lower oil volatility	- Prolong life of moving parts - Extends time between compressor overhauls - Reduces maintenance costs
Resists deposit formation on metal surfaces	- Improves compressor efficiency - Extends maintenance intervals for valves and intercooler

Application

NSSP Premium Compressor Oil are recommended for use in all type of rotary screw and reciprocating compressors. They are available in three viscosity grades ISO VG 32, 46, 68, 100

Note

The above are general guidelines only. Consult your OEM service manual for specific make/model recommendations.

• Type of compressor

Oil flooded rotary screw compressor

Are specially designed to lubricate and cool continuously operating rotary screw and reciprocating compressors. Super Air Compressor Oils should not be used with wet or sour hydrocarbon gases. Super Air Compressor Oil are compatible with standard seal and hose materials all compressor except those containing polyglycol and silicones.

Caution

- NSSP Premium Compressor Oil should not be compress pure oxygen
- Operating at air discharge temperatures above the stated maximums can accelerate fluid degradation and significantly reduce fluid service life

Health and Safety

NSSP Premium Compressor Oil have no adverse effect on health, provided they are used as directed. To obtain Safety Data Sheets (SDS), please contact Synlube's representative.

Typical Performance Data

Property	ASTM Test Method	NSSP Premium Compressor Oil			
ISO Viscosity Grade	-	32	46	68	100
Kinematic Viscosity, cSt @ 40 °C	D445	35.25	46.77	67.8	94.51
, cSt @ 100 °C		6.31	7.34	8.99	10.64
Viscosity Index	D2270	130	119	106	95
Pour Point, °C	D97	-15	-15	-12	-15
Flash Point, COC, °C	D92	244	250	240	254
Foam	D892				
Sequence I, Tendency/Stability, ml		0/0	0/0	0/0	0/0
Sequence II, Tendency/Stability, ml		10/0	30/0	20/0	20/0
Sequence III, Tendency/Stability, ml		0/0	0/0	0/0	0/0
Oxidation Test					
Oxidation Test (RPVOT), min	D2272	2829	2529	2412	2206
Oxidation Stability (PDSC) @180°C, min	D6186	112.3	106.4	98.18	96.0

Note

The values quoted above are typical of normal production. They do not constitute a specification.