

## *Environmentally Friendly Oil-Free Air Technology*

*Guaranteed Class 0 Oil-Free Air for  
Your Critical Processes*

*Reliable  
Aftermarket  
& Service*



### SKY Air Compressor Range

- ▶ Pressure range  
7 to 12. bar
- ▶ Volume flow  
4.5 - 52.5 m<sup>3</sup>/min
- ▶ Motor Power  
5.5kW - 400kW

**Fixed &  
Variable Speed**

## 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 (m <sup>3</sup> /min)	Pipe Diameter	Dimension(mm)	Weight (kg)
SK5.5BPM	5.5	0.4/40	4.0	DN150	1400*1100*1360	700
		0.6/60	3.2			
SK7.5BPM	7.5	0.4/40	6.4	DN150	1400*1100*1360	750
		0.6/60	4.6			
		0.8/80	3.5			
SK11BPM	11	0.4/40	9.0	DN150	1400*1100*1360	800
		0.6/60	7.5			
		0.8/80	6.0			
		1.0/100	4.8			
		1.2/120	4.0			
		1.5/150	2.8			
SK15BPM	15	0.4/40	13.6	DN150	2200*1250*1900	1200
		0.6/60	10.5	DN150	1400*1100*1360	800
		0.8/80	8.3			
		1.0/100	6.7			
		1.2/120	5.8			
SK18.5BPM	18.5	1.5/150	4.5	DN150	2200*1250*1900	1250
		0.4/40	16.2			
		0.6/60	13.1		1400*1100*1360	800
		0.8/80	10.3			
		1.0/100	9.2			
		1.2/120	7.5			
SK22BPM	22	1.5/150	6.0	DN150	2200*1250*1900	1250
		0.4/40	22.0			
		0.5/50	19.0			
		0.6/60	16.0			
		0.7/70	14.5			
		0.8/80	13.0			
		1.0/100	9.5			
		1.2/120	8.8			
SK30BPM	30	1.5/150	7.0	DN150	1400*1100*1360	850
		0.4/40	29.0			
		0.6/60	26.0			
		0.7/70	23.5			
		0.8/80	21.5			
		1.0/100	15.8			
		1.2/120	12.5			
SK37BPM	37	1.7/170	7.5	DN150	1400*1100*1360	800
		0.4/40	38.0	DN200	2700*1400*1900	1750
		0.5/50	35.0			
		0.6/60	32.0	DN150	2200*1250*1900	1250
		0.8/80	26.0			
		1.0/100	21.5			
		1.2/120	15.5			
1.5/150	12.5					
SK45BPM	45	1.7/170	12.7	DN150	2200*1250*1900	1300
		0.4/40	44.0			
		0.5/50	42.0			
		0.6/60	38.0			
		0.8/80	33.5			
		1.0/100	26.0			
		1.2/120	21.0			
SK55BPM	55	1.5/150	15.5	DN150	2200*1250*1900	1350
		0.4/40	55.0			
		0.6/60	48.0			
		0.7/70	44.0			
		0.8/80	41.5			
		1.0/100	35.0			
		1.2/120	31.0			
		1.5/150	21.0			
SK75BPM	75	1.8/180	16.5	DN150	2200*1250*1900	1400
		2.0/200	14.5			
		0.4/40	78.0			
		0.6/60	68.0			
		0.7/70	61.0			
		0.8/80	55.0			
		0.9/90	51.0			
		1.0/100	47.0			
		1.2/120	42.5			
		1.5/150	34.0			
1.8/180	27.0					
SK75BPM	75	2.0/200	24.5	DN150	2200*1250*1900	1400
		DN200	2700*1400*1900	1800		
					DN250	3100*1500*2150

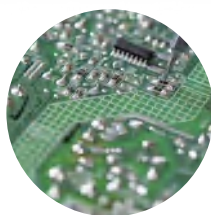
Model	Power (kW)	Pressure (bar/kpa)	Air Delivery (m <sup>3</sup> /min)	Pipe Diameter	Dimension(mm)	Weight (kg)
SK90BPM	90	0.4/40	98.0	DN300	3300*1750*2350	2550
		0.6/60	78.0	DN250	3100*1500*2150	2200
		0.8/80	68.0			
		1.0/100	61.0			
		1.2/120	50.0	DN200	2700*1400*1900	1850
		1.5/150	42.0			
		1.8/180	34.0			
2.0/200	30.5					
SK110BPM	110	0.4/40	113.0	DN300	3300*1750*2350	2600
		0.6/60	92.0	DN250	3100*1500*2150	2250
		0.8/80	78.0			
		1.0/100	67.5			
		1.2/120	60.0	DN200	2700*1400*1900	1850
		1.5/150	49.0			
		1.8/180	41.5			
2.0/200	37.5					
SK132BPM	132	0.6/60	112.0	DN300	3300*1750*2350	2600
		0.8/80	98.0	DN250	3100*1500*2150	2300
		1.0/100	81.0			
		1.1/110	73.0			
		1.2/120	71.0	DN200	2700*1400*1900	1900
		1.5/150	58.0			
		1.8/180	48.0			
2.0/200	44.0					
SK160BPM	160	0.4/40	180.0	DN300	3600*2100*2350	3500
		0.6/60	130.0	DN300	3300*1750*2350	2750
		0.8/80	111.0			
		1.0/100	101.0			
		1.1/110	89.0	DN250	3100*1500*2150	2300
		1.2/120	80.0			
		1.5/150	70.0			
1.8/180	66.5					
SK185BPM	185	0.4/40	203.0	DN300	3600*2100*2350	3500
		0.6/60	154.0	DN300	3300*1750*2350	2800
		0.8/80	129.0			
		1.0/100	110.0			
		1.2/120	96.0	DN200	2700*1400*1900	1900
		1.5/150	83.0			
		1.8/180	66.5			
2.0/200	66.0					
SK200BPM	200	0.4/40	212.0	DN300	3600*2100*2350	3600
		0.6/60	177.0	DN300	3300*1750*2350	2800
		0.8/80	144.0			
		1.2/120	110.0			
		1.5/150	90.0	DN200	2700*1400*1900	1900
		1.8/180	76.0			
		2.0/200	66.0			
2.0/200	66.0					
SK220BPM	220	0.6/60	196.0	DN300	3600*2100*2350	3600
		0.8/80	159.0	DN300	3300*1750*2350	2800
		1.0/100	127.0			
		1.5/150	100.0			
		1.8/180	86.0	DN200	2700*1400*1900	1900
		2.0/200	73.0			
SK250BPM	250	0.6/60	220.0	DN300	3600*2100*2350	3800
		0.8/80	182.0	DN300	3300*1750*2350	2700
		1.0/100	150.0			
		1.2/120	125.0			
		1.5/150	109.0	DN200	2700*1400*1900	1900
		1.8/180	95.0			
		2.0/200	85.0			
2.0/200	85.0					
SK280BPM	280	0.8/80	206.0	DN300	3600*2100*2350	3900
		1.0/100	178.0	DN300	3300*1750*2350	2800
		1.1/110	162.0			
		1.2/120	148.0			
SK315BPM	315	1.0/100	195.0	DN300	3600*2100*2350	4000
		1.2/120	170.0	DN200	2700*1400*1900	1900
		1.5/150	130.0			
SK480BPM	355	1.2/120	192.0	DN300	3600*2100*2350	4100
		1.5/150	160.0	DN200	2700*1400*1900	1900
SK540BPM	400	1.5/150	188.0	DN300	3600*2100*2350	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
SDO-45A/W	4.5-7.8	4.0-6.8	3.7-6.4	45	69±3	DN50	2200*1400*2000	2200*1500*1720	2650	2700
SDO-55A/W	5.7-9.8	5.2-9.0	4.4-7.8	55	69±3	DN50	2200*1400*2000	2200*1500*1720	2850	2900
SDO-75A/W	7.6-13.0	7.2-12.2	6.6-11.2	75	70±3	DN50	2200*1400*2000	2200*1500*1720	2950	2900
SDO-90A/W	9.6-16.0	8.1-13.8	7.6-13.1	90	71±3	DN50	2200*1400*2000	2200*1500*1720	3000	2950
SDO-110A/W	12.1-20.6	11.6-19.5	11.1-18.8	110	71±3	DN65	3000*1990*2180	2800*1900*1990	3500	3550
SDO-132A/W	14.7-24.8	13.6-23.0	11.5-19.5	132	73±3	DN65	3000*1990*2180	2800*1900*1990	3550	3600
SDO-160A/W	16.9-28.5	15.6-26.3	14.1-23.8	160	73±3	DN65	3000*1990*2180	2800*1900*1990	3650	3750
SDO-185A/W	19.5-32.8	17.1-28.9	16.3-27.5	185	74±3	DN65	3000*1990*2180	2800*1900*1990	4100	4200
SDO-200A/W	21.8-36.8	20.4-34.6	18.1-30.6	200	74±3	DN100	4500*2000*2100	3100*2100*2065	5100	4500
SDO-220A/W	24.9-41.5	22.4-37.3	19.8-33.0	220	74±3	DN100	4500*2000*2100	3100*2100*2065	5600	5000
SDO-250A/W	27.3-46.0	25.3-42.8	22.7-38.2	250	74±3	DN100	4500*2000*2100	3100*2100*2065	5700	5200
SDO-280A/W	31.6-48.6	30.9-47.5	29.3-45.0	280	76±3	DN100	4500*2000*2100	3100*2100*2065	5800	5300
SDO-315A/W	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 (m <sup>3</sup> /min)			Power (kW)	Lubricating water amount (Liters)	Cooling water amount T/Hour	Cooling water inlet/outlet diameter	Noise dB(A)	Outlet diameter	Dimension (mm)	Weight (Kg)
	8 bar	10 Bar	12.5 bar							L * W * H	
SW-08A/W	1.17	1.05	0.81	7.5	10	2.0	3/4"	58	3/4"	800*800*1200	470
SW-11A/W	1.65	1.42	1.10	11	26	2.5	1"	60	3/4"	1150*755*1340	580
SW-15A/W	2.43	2.17	1.80	15	26	3.5	1"	63	3/4"	1150*755*1340	650
SW-18A/W	3.13	2.82	2.05	18.5	30	4.0	1"	65	1"	1400*900*1450	705
SW-22A/W	3.52	3.21	2.78	22	30	5.0	1"	65	1"	1400*900*1450	745
SW-30A/W	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
SW-37A/W	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
SW-45A/W	7.40	6.30	5.56	45	90	10.0	1 1/2"	68	2"	1980*1300*1760(A) 1800*1300*1670(W)	1390
SW-55A/W	9.60	8.55	7.67	55	120	12.0	1 1/2"	70	2"	1980*1300*1760(A) 1800*1300*1670(W)	1470
SW-75A/W	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)
SW-90A/W	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)
SW-110A/W	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)
SW-132A/W	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)
SW-160W	28.11	25.45	22.52	160	240	35.0	3"	80	DN80	2700*2800*2050	3700
SW-185W	33.97	29.00	25.21	185	300	38.0	3"	80	DN80	2700*2800*2050	3750
SW-200W	36.75	32.78	29.24	200	300	42.0	4"	80	DN100	2700*2800*2050	3900
SW-220W	39.67	36.75	29.63	220	360	47.0	4"	80	DN100	2700*2800*2050	4200
SW-250W	43.50	39.30	34.00	250	360	58.0	4"	80	DN100	2700*2800*2050	4600

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

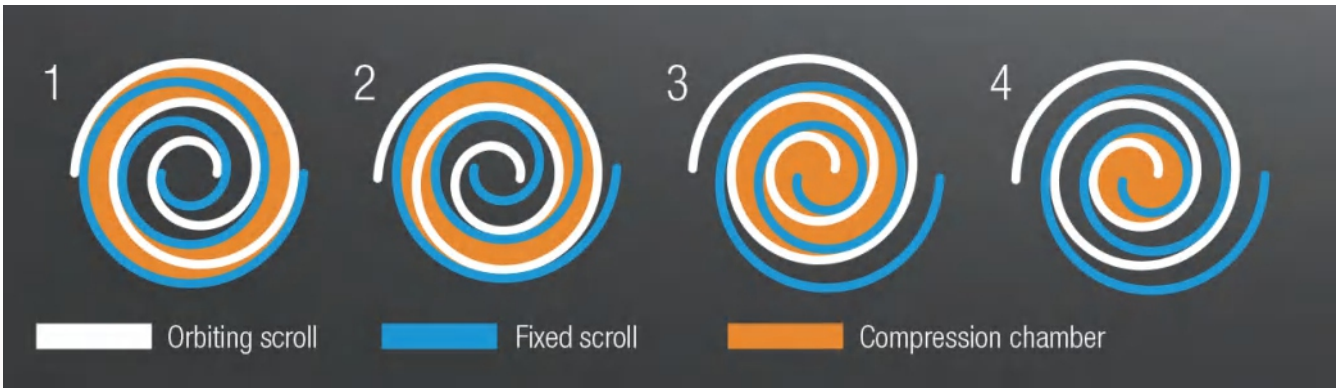
## Application

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



## Pakistan Customers

**BOLA GEMA**  
PAKISTAN



**ZAC REFILLING**



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