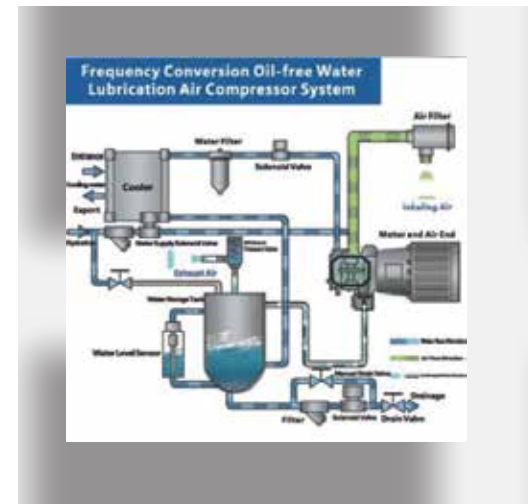


OIL FREE AIR COMPRESSOR



BESTRAND

Oil-free water lubrication series



Reduce Industrial Waste -Indirectly Reduce Environmental Burden

No oil and no waste oil is required
Oil-free filter and oil separate, reducing industrial waste and reducing pressure loss.
The condensate contains no oil and requires no special treatment.

OIL-FREE Series

High precision produces high reliability

As a manufacturer of precision machining centers, BESTRAND is known for its high-precision machining technology, ensuring the precision and stability of its main components.



Direct drive, low speed operation

Unique characteristics

1. The sealing effect of water makes low speed operation possible
2. Low speed operation
3. Most beneficial to control



7Inch Multi-function Lcd Touch Screen Panel

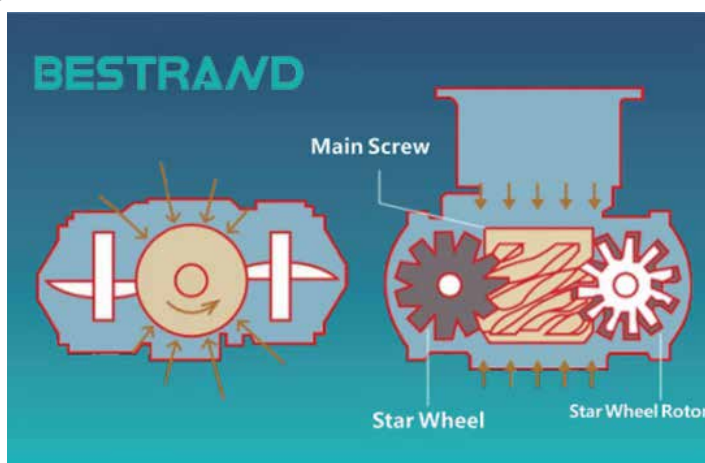
Extensive Information For the Operation And Maintenance of Realistic Air Compressors



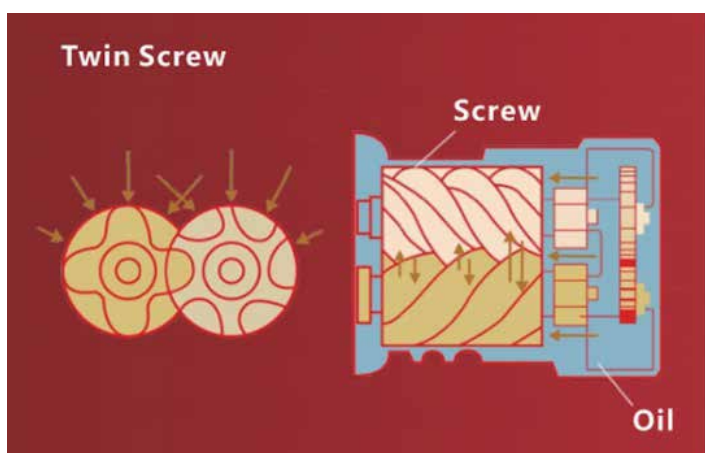
BESTRAND

Ideal compression Structure

Use a Lubricating Water Film Seal to Create a Higher Air Flow



The radial and axial forces generated by the gas pressure are automatically balanced, the bearing life is long, the force balance is good, the vibration is small, and the noise is small. Because of the lubrication water sealing elect, the specified pressure can be maintained at low speed, energy saving and high efficiency The host discharges compressed air at a low temperature (about 60 ° C), reducing energy consumption and cooling



The radial force generated by the gas pressure cannot be balanced, the axial force needs to be balanced by the piston, the rotor load is large, the bearing life is short, and the noise is large. The double spindle must ensure high speeds to ensure the specified pressure and high energy consumption. The host exhaust gas temperature is high (about 200 ° C), it needs two cooling and cooling, and the energy consumption is large.

Simple is beautiful

Oil . free Water-lubricated Screw Air Compressor, No Extra Maintenance Costs

Dry twin-screw oil-free air compressor usually needs two-stage compression to achieve the specified pressure and gas volume. In terms of structure, the twin-screw structure is complex and there are many parts, which means that the later maintenance cost will be higher than single screw oil free water lubrication machine .

Comparison of water-lubricated single-screw oil-free main engine and dry twin-screw oil-free main engine parts

Part name	Oil-free water lubrication	Dry twin screw
Lubricant	No oil	Have lubricating oil
Speed	*The highest 3500rpm	6000~25000rpm
Compressed air temperature	*60°C	*200°C
Compression series	*single stage	double stage (two twin-screw mainframes)
Speed increasing gear	*Not at all	5~7
Bearing	*7pcs	15pcs more
Mechanical seal	*2pcs	15pcs more

OIL-FREE Series

The Cleanest Compressed Air, The Most Stringent Standard

ISO8573-1 CLASS0

Only BESTRAND water lubrication guarantees 100% oil-free GMP food-pharmaceutical industry grade oil-free water-lubricated air compressor, the whole series of the main engine has obtained the world-class laboratory TUV German Rhine certification certificate, in line with ISO8573-1CLASS0highest air quality Standards, in industries that require high clean compressed air, such as pharmaceuticals, food, beverages, precision electronics, biotechnology, chemicals, petrochemicals, electricity, etc., to provide you with the safest and simpler compressed air, avoiding the production of oil-contaminated products in the air, resulting in Loss of money and corporate reputation.

Generally, the oil-free dry twin-screw can reach the IOS8573-1 CLASS0 grade, but because of the need to use the speed-increasing gear, the gearbox oil has the possibility of leaking, which causes the risk of contamination of the compressed air. BESTRAND oil-free water-lubricated single-screw air compressor adopts the main unit and the motor directly connected. It does not need any speed-increasing gears. The main engine only has water and air, which greatly increases the safety, It is the best choice for oil-free air compressors.



product parameters

Oil free water lubricated screw type air compressor										
Technical Data										
Model	Discharge Capacity (m³/min)		Noise Level dB(A)	Motor Power (KW)	Outlet Connection	Cooling Water (T/H)	Dimension(mm)			Weight (kg)
	8bar	10bar					L	W	H	
BT15 OF A	2.30	2.05	66	15	Rp1	6	1200	760	1300	630
BT18 OF A	3.00	2.60	66	18	Rp1	7	1400	900	1450	680
BT22 OF A	3.60	3.20	68	22	Rp1	10	1400	900	1450	735
BT30 OF A	5.00	4.50	70	30	Rp1 1/4	12	1550	1150	1500	1010
BT37 OF A	6.60	5.80	70	37	Rp1 1/2	15	1550	1150	1500	1150
BT45 OF A	7.60	7.00	71	45	Rp1 1/2	18	1800	1300	1750	1290
BT55 OF A	10.00	9.00	71	55	Rp2	24	1950	1300	1750	1500
BT75 OF A/W	13.00	11.80	74	75	Rp2	30	1800	1300	1750	1650
BT90 OF A/W	15.00	13.00	76	90	Rp2	36	2200	1550	1800	2350
BT110 OF A/W	20.50	17.00	76	110	DN65	45	2200	1550	1800	2480
BT132 OF A/W	23.50	20.20	80	132	DN65	53	2200	1550	1800	2550
BT160 OF A/W	26.00	24.00	82	160	DN80	65	2200	1550	1800	3600
BT185 OF A/W	32.00	28.80	82	185	DN80	80	3000	1800	2100	3800
BT250 OF A/W	42.00	38.80	83	250	DN100	65	3100	2250	2200	4500

Special air compressors and hydraulic motor driven air compressors can be customized according to customer requirements



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