

To Provide Compressed Air System is Our Core Business

For the lowest purchasing cost for customers, Sullair provides an entire air system designed to lower operating cost, increase reliability and maximize return on investment.



Sullair offers compressed air system to help users reduce their operating costs and improve productivity by analyzing, managing and controlling all compressed air equipment. To satisfy your special requirement on the compressed air system, please contact the local Sullair distributor to seek more help. To acquire local Sullair distributor's contact information, please visit the below website or make a phone call.



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Sullair SRL-L/H Series Oil Free Scroll Air Compressor 1.5-33kW



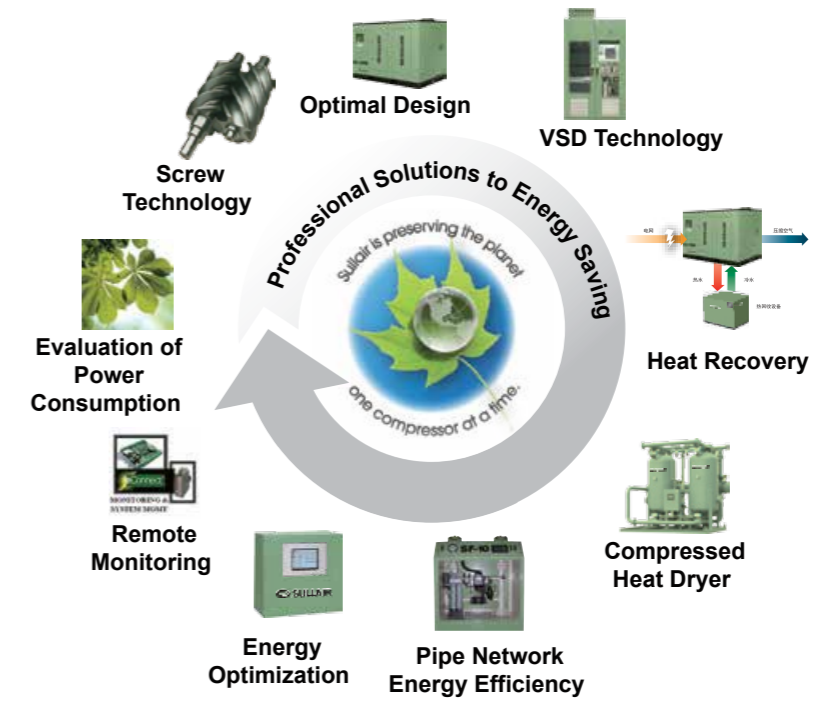
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The Only Air Compressor Manufacturer to Concentrate Exclusively on Screw Technology

Since 1965, Sullair Corporation has been leading the innovation in the field of screw compressor and vacuum technology. With more than 50 years of product experience, Sullair has made continuously investment and technological innovation in this field. Utilizing the most advanced technologies, equipment and manufacturing technique, Sullair provides global customers the best air compressor and vacuum equipment in order to constantly meet the diversity requirements of customers.

Sullair products are universally known for its unique design and superior technology combined with excellent quality. Sullair professionals provide you with SRL series oil free scroll air compressor of rational structure, easy operation and great performance by continuous optimizing the design and introducing new technologies while to ensure the amazing reliability, stability and relevant specification of Sullair products. In fact, the SRL oil free scroll air compressors have made new standard for the industry in all aspects.



“Class 0” Oil Free Verification

Sullair oil free air compressor “Class 0” verification (German TÜV).

Sullair SRL oil free scroll air compressor provides high quality 100% oil-free compressed air which is certified by German TÜV Rheinland certification organization (TÜV) for SRL oil free compressor test: TÜV certifies that the air quality of Sullair SRL oil free compressor exceeds the ISO8573-1 standard and reaches the highest oil-free level of “Class 0”, i.e. ISO8573-1 Class 0.

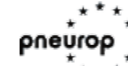
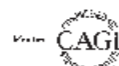
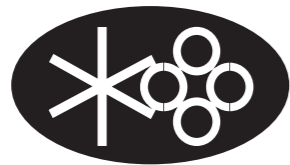
Together with Sullair, You will Get More Than Air Compressors

What you will get from Sullair is the world’s leading screw technology and global services. Sullair provides the manufacturing industries like electronic, textile, food, construction, mining and energy with high-quality products and services.

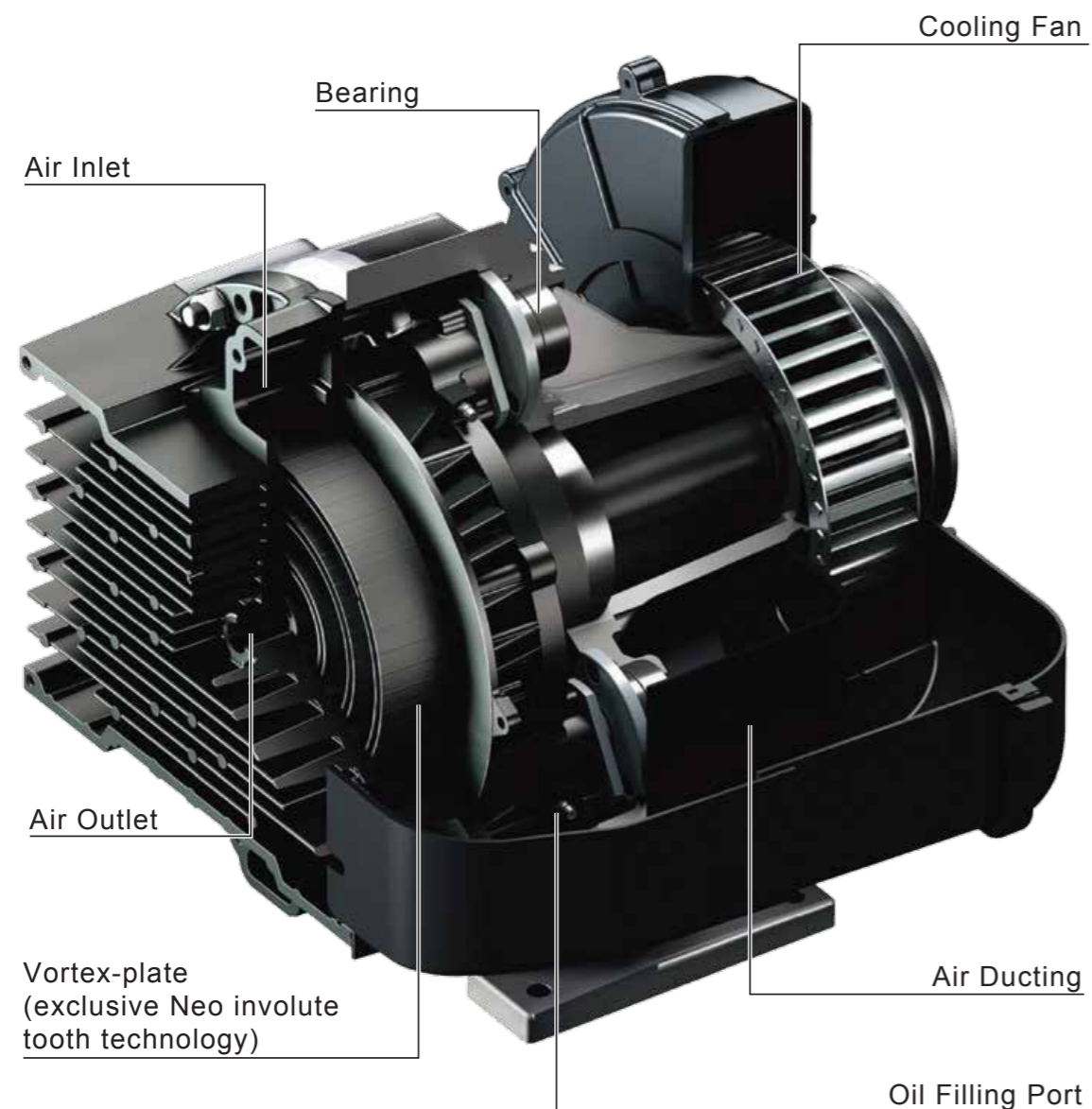
The international service network of Sullair is inclusive of subsidiaries in different regions, designated agents and distributors who offer their best services to customers of Sullair around the world every day.



This company has been certified by ISO9001 international quality management system.
This company has been certified by ISO14001 international environment management system.
This company has been certified by OHSAS18001 occupational health and safety management system.

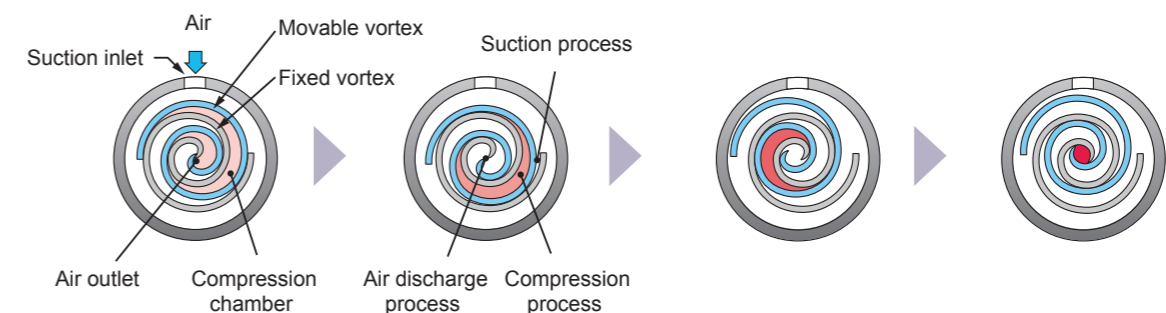


Scroll Compressor Air End



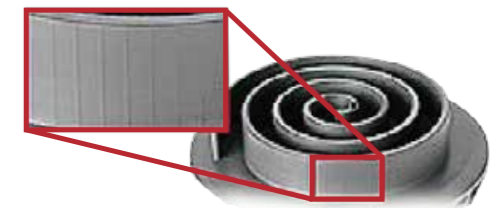
Working Principle of Scroll Compressor

- 1 The air is sucked through the suction inlet on the outside of the fixed vortex.
- 2 The air enclosed in the compression space is compressed toward the center by the reduction of the compression space due to rotary motion.
- 3 The compression space is formed to be the smallest at the center, and the air, which is compressed to the maximum, is squeezed outwards through the central outlet.
- 4 The above motion of 1~3 will (air suction – compression – air discharge).



Reliable • Stable

- Vortex-plate of scroll compressor with exclusive Neo involute tooth technology will be in high temperature during operation due to lack of oil cooling. Neo involute tooth technology solves the problem of thermal deformation of vortex-plate under high temperature and effectively ensures the reliability of scroll compressor.
- Adopt surface-treated bearings of high reliability



Low Vibration • Low Noise

- By optimizing the design of the scroll compressor box, a low noise like library environment can be achieved. (The noise level of Model 3.7kW is only 47dB[A])

Easy Maintenance

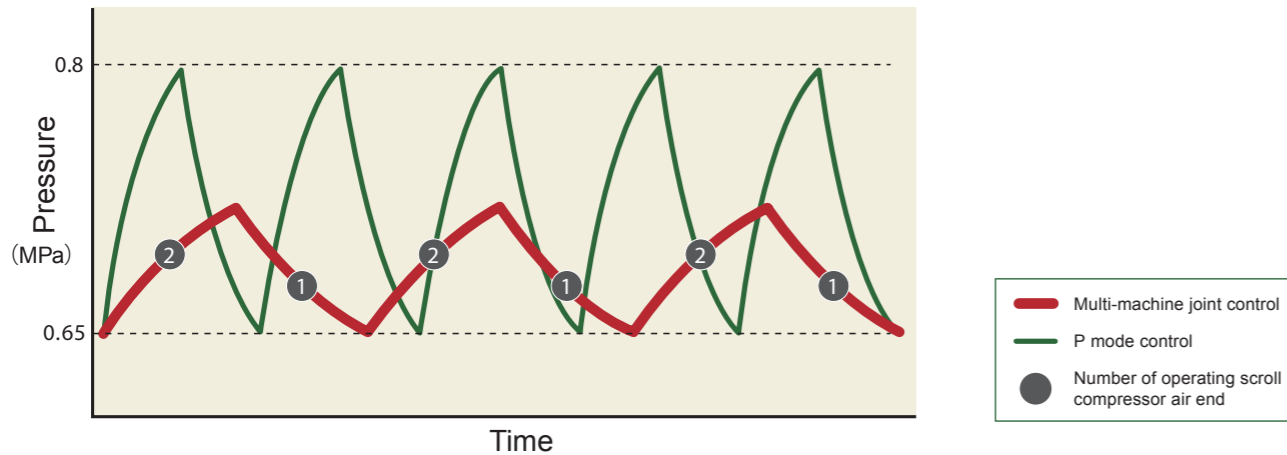
- It is possible to fill grease without disassembling the movable/fixex vortex-plate of scroll compressor air end by adding the oil filling port which greatly simplifies the maintenance process.

Scroll Compressor Air End

Energy-saving Effect under Multi-machine Joint Control

Multi-machine joint control is added on basis of P-mode control, and it is possible to switch the two modes by simple operation on operation panel.

In the mode of multi-machine joint control, the number of operating air end is automatically controlled according to air consumption, and the optimal operation of compressor is achieved while ensuring the required pressure.



P Mode Control:

Like pressure switch control mode, if the pressure reaches the maximum, the compressor stops running. When the pressure reaches the buildup pressure, the compressor resumes operation.

Multi-machine Joint Control:

The compressor discharge pressure is automatically controlled near the required pressure (control pressure), which avoids the power consumption required to reach the highest pressure so as to achieve energy-saving operation.

Backup Function

With multiple scroll compressor air ends, continuous supply of air to the entire machine can be guaranteed even if one of the air ends fails.

* The air discharge volume will be smaller than the value in standard specifications table.

Furthermore, the situation of all air ends' stopping may varies according to physical fault.

Optimized Box Design

- Save installation space
- Realize low vibration and low noise

Sullair Genuine Parts



Make routine maintenance and repairs for your scroll compressor by using Sullair genuine parts, you can easily enjoy:

Reassurance

Keep your scroll compressor away from troubles such as performance degradation and accidental shutdown.

Energy-saving

Using Sullair genuine parts ensures your scroll compressor's optimal operation and brings you unexpected energy-saving effect.

Specifications Table

Method of Lubrication	Item • Unit	Engine Power	Max. Pressure	Control Pressure	Air Discharge Volume	Power Supply Phase	Ambient Temperature	Start Method	Control Method	Air Outlet	Gas Tank Volume	The Minimum Volume Required for Installation of Separate Gas Tank	Outline Dimensions	Weight	Noise Level
		kW <HP>	MPa	MPa	L/min	—	°C	—	—	—	L	L	(L×W×H) mm	kg	dB[A]
Oil free	SRL-1.5ME5ML	1.5 (2)	0.85 [1.0]	0.65-0.85 [0.8-1.0]	160	Three-phase 380V 50HZ	0-40	Full voltage direct start	Pressure switch	Stop valve 3/8B (10A) × 1	18	—	680×640×970	115	45
	SRL-2.2ME5ML (SRL-2.2ME5MH)	2.2 (3)			240 [200]									129	46
	SRL-3.7ME5ML (SRL-3.7ME5MH)	3.7 (5)	400 [345]	175	47										
	SRL-5.5ME5ML (SRL-5.5ME5MH)	5.5 (7.5)	600 [500]								24		750×715×1,070	184	50
	SRL-7.5ME5ML (SRL-7.5ME5MH)	7.7 (10)	880 [700]	315	57										
	SRL-11ME5ML (SRL-11ME5MH)	11 (15)	1,260 [1,000]								Rc 3/4		150 (Multi-machine joint control mode)	980×660×1,190	350
	SRL-15ME5ML (SRL-15ME5MH)	16.5 (22)	0.8 [1.0]	0.65-0.8 [0.8-1.0]	1,890 [1,500]						515		61		
	SRL-22ME5ML (SRL-22ME5MH)	22 (30)	2,520 [2,000]	—	230 (Pressure switch control mode)									1,280×770×1,450	720
SRL-33ME5ML (SRL-33ME5MH)	33 (45)	3,780 [3,000]	Multi-machine joint control / Pressure switch (switchable)	R1	1,330×880×1,900	720	61								
					R1 1/2	above 500 (pressure switch mode, above 700)	1,360×1,030×1,670	1,000	63						

- Notes) 1. The air discharge volume refers to the value of air discharge volume at the highest pressure which is concerted into suction state (atmospheric pressure).
 2. Please use in a place (0-40°C) where condensation water does not freeze.
 3. The noise level is the value measured 1.5 m from the front of the air compressor in the echo chamber at full load. In addition, the measured value may be greater than the indicated value, which depends on the operating conditions, or influenced by the surrounding echo and the actual setting state.
 4. Outline dimensions refer to panel outline size.
 5. For models above 7.5KW (inclusive), separate gas tank must be installed to reduce frequency of start-stop. For 1.5/2.2/3.7/5.5KW model, separate installation of gas tank is recommended. Please contact sales agent for details.
 6. The 1.0MPa specification is an order production model. (1.5KW does not provide 1.0MPa model)