



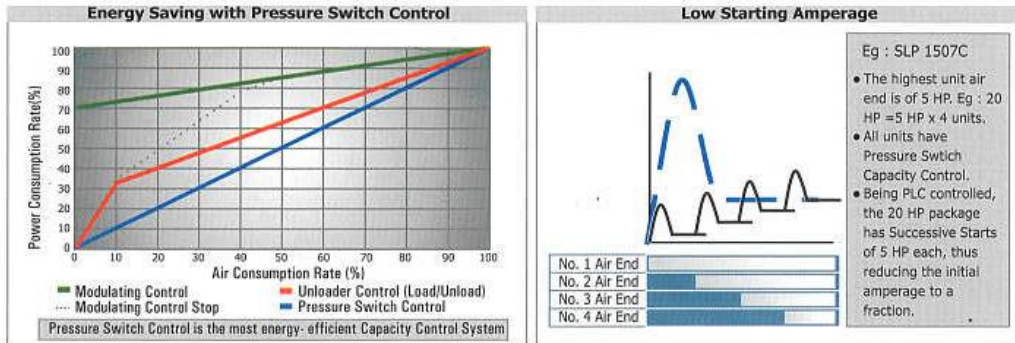
the  
**FUTURE**  
of **AIR**



Pure and Silent

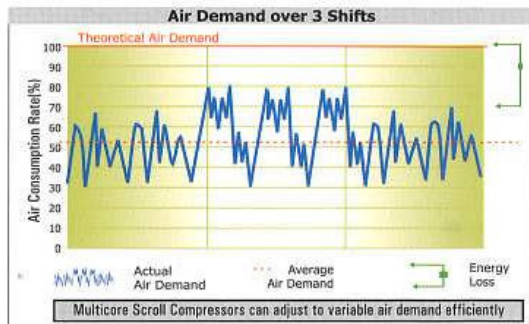
# Features & Benefits

## 1. Variable Air output - The most efficient in its range :



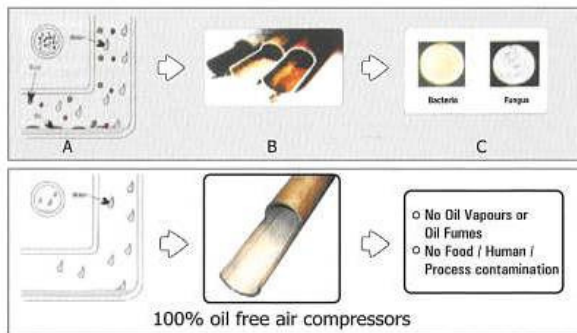
## 2. Reduction of pressure drop :

Due to low levels of Noise & Vibration, Scroll Compressors can be installed inside the factory shop floor without causing any discomfort in the surrounding environment. Due to this, piping length may be drastically reduced, which in turn reduces Pressure Drop & Saves Energy.



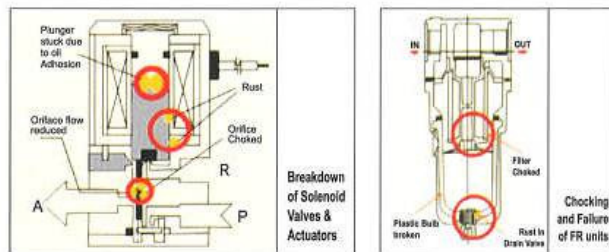
## 3. Hygiene and safety :

A) In oil lubricated air compressors, Oil Mist in Compressed Air mixes with Water and Dust to form an OIL-WATER-DUST emulsion.  
 B) This emulsion accumulates in the compressed air piping over a period of time.  
 C) Prolonged accumulation may encourage Bacterial or Fungal Growth.



## 4. Productivity and profitability :

Adhesion of Oil-Water-Dust Emulsion to high precision Bearings, Actuators, Solenoid Valves etc, may cause productivity loss due to In-process rejection, Machine Breakdown, or both. Using Oil Free compressors can prevent such process breakdown & rejections.



\*Above Data Values are approximate and depend on actual usage.



## Scroll's Uniqueness

CRITICAL Requirements

ADVANCED Features

Applications:	NO Human / Product Contamination (100% Oil Free Air)	NO Oil Related Breakdown	Low Noise & Vibration	NO Oil Related Rejections	Energy Efficient (Low Pressure Drop)	Energy Efficient (Variable Output)
CNC Machines with Pneumatic Operations		•			•	•
Instrumentation and R&D Analysers		•			•	
Colour Sorting	•	•		•	•	•
Semiconductor Manufacturing		•	•	•	•	
Air Bearings	•	•	•		•	
Food Processing	•	•		•	•	•
Beverage Processing	•	•		•	•	•
Garment Manufacturing		•		•	•	•
Glass Coating		•		•	•	•
Digital & Offset Printing		•		•	•	•
Hospitals	•	•	•	•	•	•
Dental Clinics	•	•	•	•	•	•
Laboratories	•	•	•	•	•	•
Nitrogen Generators		•		•	•	•
Paper Manufacturing		•		•	•	•
Pharmaceuticals Manufacturing	•	•		•	•	•
Premium Spray Painting	•	•		•	•	•
Cosmetics Manufacturing	•	•		•	•	•
Rubber & Leather Processing		•		•	•	•
Vacuum Metalising		•		•	•	•

## Technical Specifications of Oil Free Scroll Compressors

Model	Motor rated output (kW)	Control system	Control pressure (MPa) (1MPa Model)	Free air delivery (L/min) (1MPa Model)	Air receiver capacity (L)	Air output (B)	Outer dimensions [L x W x H] (mm)	Mass (kg)	Noise level (1.5 m from Front) dB (A)		
Without dryer type	SLP-07E	0.75	0.6-0.8	74	5	G1/4	355x590x690	50	45		
	SLP-15E <sup>1</sup>	1.5		165 (130)	20	Rc3/8	453x507x875	88	49 (50)		
	SLP-22E <sup>1</sup>	2.2		250 (215)	20			96			
	SLP-37E <sup>1</sup>	3.7	0.65-0.8 (0.8-1.0)	410 (345)	35	Rc3/4	545x622x1058	145	52		
	SLP-55E	2.2+3.7		670 (560)	-			Rc1		650x955x1555	260
	SLP-75E	3.7X2		835 (690)							280
	SLP-110E	3.7X3		1255 (1035)	-	Rc1 1/2	1400x1140x1640	360			
	SLP-150E	3.7X4		1670 (1380)				465			
	SLP-220B	3.7X6		2700 (2070)	880						
	SLP-300B	3.7X8	3600 (2760)	1050							

Maximum Pressure : 7 / 10 Kg/cm<sup>2</sup> Ambient temperature : 0°C ~ 40°C. Motor : Special TEFC, 415 V 50 Hz, 3 phase.  
Separate auxiliary air receivers are necessary for models of 7.5 HP & Above.

### Tandem Control & Multicontrol System

SLP 557E & SLP 757E have "Tandem Control System", which modulates the operation of Two Air Ends.  
SLP-1107E & SLP-1507E have Multicontrol System, in which three or four air ends are controlled in accordance with air consumption.

The advantages of Tandem & Multicontrol are :

- High reliability due to alternate operation & Extended Start-Stop cycle.
- Energy saving in accordance with Air Consumption.
- Auxiliary Operation.

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