

Dental Oil free

**SCROLL**

Air compressor



**COAIRE**  
COMPRESSOR



# The history of compressors in Korea was established and advanced by Kyungwon Machinery.

(Since 1968)

Since the company was established in 1968, it has developed reciprocating type compressors for the first time in Korea. In 1986 the company was also the first in Korea to develop and supply screw compressors after establishing technological ties with SRM, Sweden, and it developed oil free scroll compressors in 2004 for the first time in Korea. To put it simply, the company has created a new history of compressors in Korea.

In 2008, Kyungwon launched the upgraded AS series, which makes the company justifiably equal to world-renowned makers.

The company has about 40 official agencies across the country and numerous production bases and customer centers around the world in countries such as the US, Australia and Asian countries in order to provide its customers with the best possible service.

Kyungwon Machinery, as a total air solution producer, manufactures such compressors as oil injection type reciprocating and screw air compressors and oil-free type reciprocating, screw and scroll compressors, as well as driers and filters, which will best meet any customer demands.



In the future, the progress of compressors in Korea will continue to be written by Kyungwon, which is determined to do its best to be a leader in compressors throughout the world.



Clean Air world qualified,  
breathe it in your dental clinic.

## KYUNGWON OIL FREE AIR COMPRESSOR

Compressed air from Kyungwon  
scroll compressor qualified 100%  
clean air based on the standard of  
ISO 8573-1, tested by TÜV, Germany.



## Kyungwon makes differences.

- Kyungwon has 40 years history since 1968. Kyungwon is history of air compressor of Korea.
- Big capacity makes enough air volume against air consumption, which prevents frequent start and stop.
- Air Compressor and dryer system not integrated to fulfill 100% performance of each unit.
- Installation kit provided for guiding easy installation
- 40 distributors in Korea, 20 more distributors all over the world



# Dental Oil free <sup>SCROLL</sup> Air compressor Specifications.

Kyunwon oil free scroll provides clean air to your dental clinic.



Kyungwon oil free scroll technology provides best quality compressed air.



World best lower noise level never makes you and patient inconvenient



Moving wheel installed for easy moving and installation (option)



Compact design for easy installation and space saving.



40 distributors in Korea, 20 more distributors all over the world.

100% oil free compressed air **eliminated moisture**, it satisfying dental clinic air **quality standard**.

1

## OIL MIST

No use of oil for air compressing process (100% oil free)

2

## WATER VAPOR

Dry air provides not exceeding dew point 5°C in compressed air.

3

## DUST PARTICLE

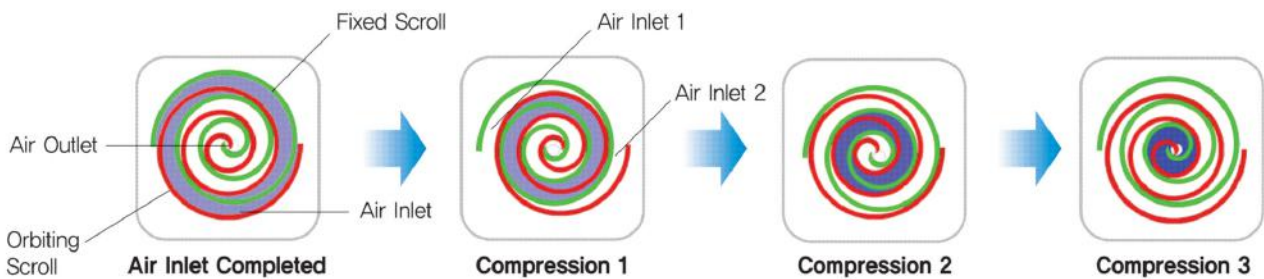
Filter screening 1µm dust particle.

4

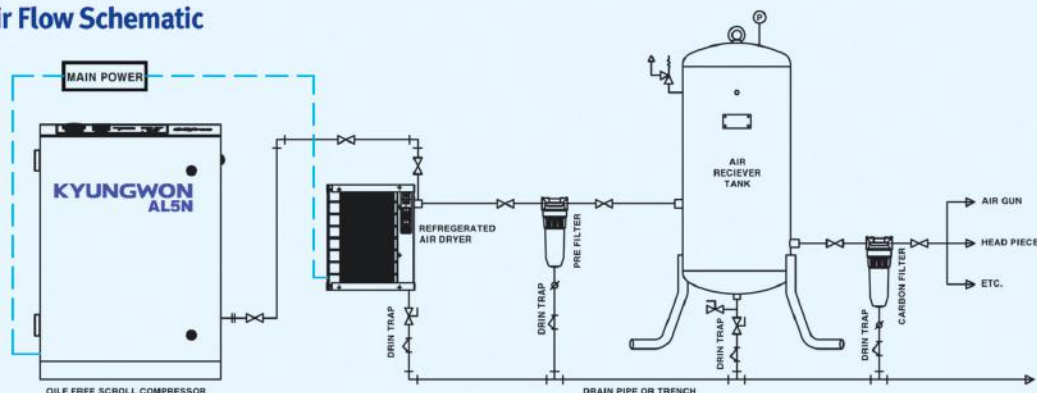
## SCENT ELIMINATION

Carbon filter installed to eliminate scent in compressed air

## PRINCIPLE OF SCROLL AIR COMPRESSOR



## ■ Air Flow Schematic



# Allocated functions of each air compressor system.

100% oil free air eliminated moisture, dust and scent in natural air to secure dental treatment safety.




■ AL N Series	Model	Max. Working pressure	Capacity	Motor Power		Noise	Dimension (LxWxH)	Air Delivery	Weight
		kgf/cm <sup>2</sup> G	LPM	kW	HP	dB(A)	mm	A(B)	kg
	AL3N	8.0	271	2.2	3	49	550x620x775	15(1/2)	115
	AL5N	8.0	416	3.7	5	50	550x620x775	15(1/2)	120



■ Refrigerating Dryer	Model	Capacity	Power Consumption	Dimension (LxWxH)	Weight	In-Out
	TX15K	470ℓ/min	0.24 Kw	320×320×382(mm)	20kg	3/8 inch

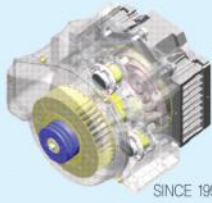


■ Air Receiver Tank	Model	Capacity	Dimension	Weight	In-Out
	ATK 10	100ℓ	384∅ × 1175mm	55kg	1/2inch



■ Pre Filter, Carbon filter	Model	Capacity	In-Out	Function
	PF36	2m <sup>3</sup> /min	1/2 inch	Dust elimination than 1µm
	CF36			Dust smaller than 0.003 PPM and scent elimination

## | History of AIR END |



### • SCROLL AIR END

Scroll concept derived from Leon Creux, France in 1905, but not realized due to lack of processing technology and gas anti-leakage technology.

Kyungwon started oil free scroll assembling production since 1993 and became world 3rd oil free scroll manufacturer in Oct. of 2004. Kyungwon developed all relevant technologies and finished commercialization.

## Dental Oil free <sup>SCROLL</sup> Air compressor Installation Example



▶ Installed in narrow space



▶ Installed in spacious space



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