

# Mini **Screw** AIR COMPRESSOR



**COAIRE**  
COMPRESSOR

# The history of compressors in Korea was established and advanced by Kyungwon Co., Ltd.

Since 1968

Since the company was established in 1968, it has developed piston 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 Sweden-based SRM, and it developed oil free scroll compressors in 2004 for the third time in the world and 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 located in 10 countries around the world such as the US, China, Russia and Thailand, in order to provide its customers with the best possible service.

**The total air solution producer** manufactures such compressors as oil-free compressors, oil injection piston type compressors, screw compressors, scroll compressors, as well as dryers 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.**

## Major Products

### Oil Flooded Air Compressor

#### Reciprocating Air Compressor

Model: 5HP~20HP

#### Screw Air Compressor

Model: Belt Type 7.5~20HP

Direct 25~500HP

All In One 7.5~30HP

Inverter 30~250HP

### Oil Free Air Compressor

#### Reciprocating Air Compressor

Model: Package 1~7.5HP

Bare Type 1~15HP

#### Scroll Air Compressor

Model: Dental 2~5HP

All In One 3~20HP

Standard 3~50HP

#### Screw Air Compressor

Model: 75~400HP

### Air Compressor Accessories

#### Air Dryer

Refrigerating / Desiccant

#### After Cooler

#### Air Receiver Tank

#### Cooling Tower(water cooled)

#### Filter

#### Condensate Water Drain

#### Oil-water Separator



# AS B Series



## ① Powerful AIREND

- New Generation AIREND manufactured by Germany
- All in one style, suction valve integrated, No more worry about oil and air leakage.
- The best use of performance parts (Suction valve, Separator, MPV etc.)
- High performance and lower RPM airend adopted to have more FAD and quiet operation.



## ② Smart & Intelligent Controller

- Simultaneous 2 languages (Korean, Chinese, English, Russian, Portuguese) support.
- RS485 communication, status output (4EA) • Adopted RTC(Real Time Clock) function • More stable to external electric noise • Various alarm and unit protection functions(Alarm: maintenance time, high discharge temperature, high discharge pressure), (Trip : temperature exceed, pressure exceed, main motor overload, fan motor overload, emergency stop, reverse phase) • Working status, alarm displayed text.



## ③ Cooling fan with high performance, but quiet.

- Adopted more durable and higher performance steel fan than before
- Outer Rotor Fan applied.



## ④ Combination Cooler

- Adopted fin tube design to make high performance cooling effects under unfavorable condition.
- Cooler designed to withstand 15bar



## ⑤ Main Motor

- Total enclosure motor adopted (high insulation class)



## ⑥ Anti-leakage design

- Stainless flexible hose adopted to protect vibration and oil leakage

# AS A Series



## All In One System

- ▶ Air Dryer integrated (Dew point 5°C)
- ▶ Air Receiver Tank integrated (500ℓ)
- ▶ Pre Filter integrated (3μm) ▶ Line Filter integrated (1μm)



### 1 Compact installation

- Compact size (1900x730: 15HP) with dryer, receiver tank and filter system
- Quiet operation noise [63dB(A) @AS15A]



### 2 Clean compressed air

- 2 stage Air-oil separator installed to minimize oil content (2 stage air-oil separator between compressor and receiver tank)
- Pre filter installed (3μm) with drain trap • Line filter installed (1μm) with drain trap
- Float type drain trap adopted to remove condensate water



### 3 Highly reliable Air Dryer

- Adopted qualified world class air dryer manufacturer.
- Dew point 5°C
- Dew point meter installed (analogue type, all models)
- Condensate drain trap installed

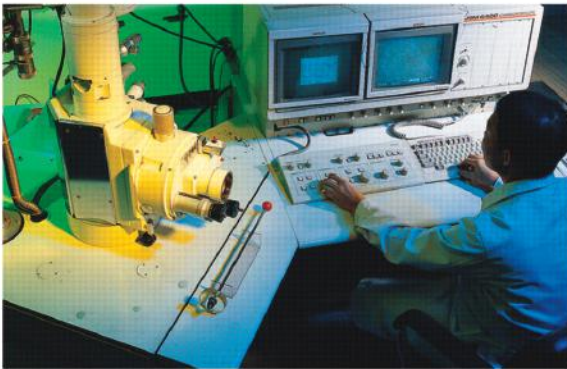


### 4 Big capacity air receiver tank installed.

- 500 liter receiver tank installed (all models)
- Minimized installation area
- Additional safety valve installed on the receiver tank.
- Extra air service port provided (3/4")



# In such an environment, **Mini Screw** Compressor is optimal



## AS B Series



- Quiet operation enables to install in factory near residential area or small laboratory
- Easy accessible micom controller with remote control function
- Adopted best parts with high reliability and durability

## AS A Series



- Tank, Dryer and Filter integrated. Occupy the very small area to be installed and make easy installation and maintenance.
  - ▶ Receiver Tank Volume : 500Liter
  - ▶ Air Dryer Dew Point : 5°C
  - ▶ Filter : Pre-Filter, Line-Filter
- 2-stage air-oil separator installed to minimize oil content [Eco Friendly Design]

# Specification

## AS B Series (Belt Type)

Model	Max. Working pressure		Capacity		Motor Power		Noise	Dimension (LxWxH)	Weight	Air outlet
	barg	psig	m <sup>3</sup> /min	cfm	kW	HP	dB(A)	mm	kg	A(B)
AS7B	7.0	100	0.83	29	5.5	7.5	56	1100x730x1275	325	20(3/4)
	9.0	130	0.5	18						
AS10B	7.0	100	1.2	42	7.5	10	58	1100x730x1275	335	20(3/4)
	9.0	130	1.0	35						
AS15B	7.0	100	1.9	67	11	15	62	1100x730x1275	375	20(3/4)
	9.0	130	1.32	47						

## AS A Series (All In One Type)

Model	Max. Working pressure		Capacity		Motor Power		Noise	Dimension (LxWxH)	Weight	Air outlet
	barg	psig	m <sup>3</sup> /min	cfm	kW	HP	dB(A)	mm	kg	A(B)
AS7A	7.0	100	0.83	29	5.5	7.5	57	1841x730x1896	665	20(3/4)
	9.0	130	0.5	18						
AS10A	7.0	100	1.2	42	7.5	10	59	1841x730x1896	690	20(3/4)
	9.0	130	1.0	35						
AS15A	7.0	100	1.9	67	11	15	63	1841x730x1896	734	20(3/4)
	9.0	130	1.32	47						

※Note

1. Receiver Tank Volume : 500Litter
2. Air Dryer Dew Point : 5°C
3. Filtration : Pre Filter[3μm], Line Filter[1μm]



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