

**Beyond the World!!**



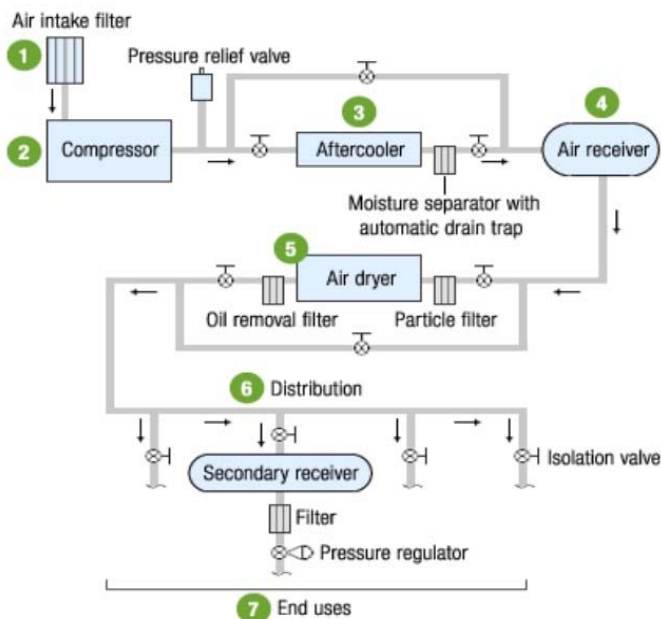
**ONwoo Industry**

# **Water Separator**

## **1. Onwoo Water Separator**

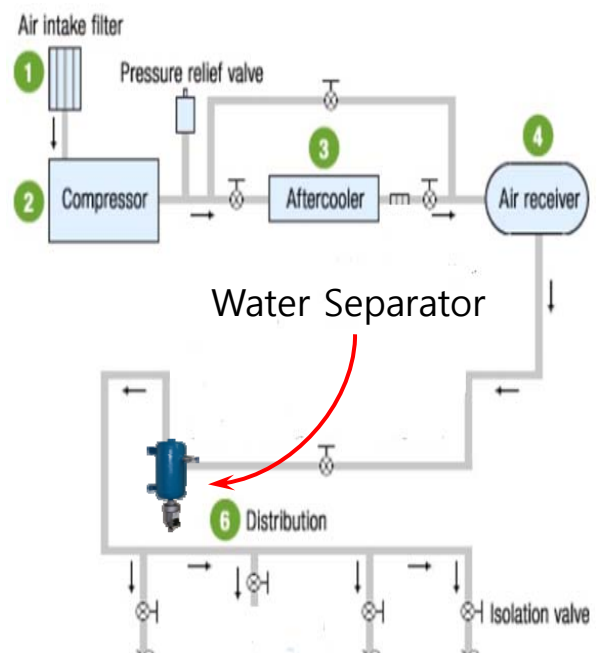
**Air Purifier, Remove 99.9% Water & Oil at Compressed Air**

### Traditional Air Supply System



Courtesy: Scales Air Compressor Corp.

### Onwoo System



## 2. Features & Performance

- Remove 99.9% of **Water & Oil Mist**, Provide High Quality of Air.  
**1<sup>st</sup> Step** : Separation by Centrifugation  
**2<sup>nd</sup> Step** : **Filter with Long Durability**  
**3<sup>rd</sup> Step** : Absorbent
- Dramatically reduce Maintenance cost.(Semi-Permanent Life)  
 (Auto Drain Valve need to Periodic Check & Replacement)
- 1 unit can apply Multiple Place. **(4.0Nm<sup>3</sup>/min @ 7bar)**
- Can install at Small Space.



**Reduce maintenance Cost**

## 3. Comparison of Separator

Item	Onwoo Separator		General Separator	
	OW-S10	OW-CFS01	Filter Type	Absorbent Type
Method	1. Centrifugation	1. Centrifugation 2. Filter 3. Absorbent	1. Filter	1. Absorbent
Step	1 <sup>st</sup> Separation	3 <sup>rd</sup> Separation	1 <sup>st</sup> Separation	1 <sup>st</sup> Separation
Performance	99.5%	99.99%	92 ~ 95%	95 ~ 96%
Maintenance	Reuse Filter & Absorbent		Replacement of Filter Element	Replacement of Absorbent
Auxiliaries	No need to Air Dryer		Need to Air Dryer & Cooler	
Durability	More than 5 years(Except Auto Drain Valve)		2~6 Months(Except Auto Drain Valve)	

## 4. Onwoo Water Separator Model



MODEL	OW-CFS10
DESIGN PRESSURE	0.88MPA (128PSI)
DESIGN TEMPERATURE	90℃ (194 ℉)
MAX TEST PRESSURE	1.2MPA (170PSI)
OPERATING PRESSURE	0.1MPA~0.88MPA
MATERIAL	SUS 304
PCT NO	KR-2016-12451



MODEL	OW-HP0120 / OW-HP1020
DESIGN PRESSURE	1.96MPA (285 PSI)
DESIGN TEMPERATURE	90℃ (194 ℉)
MAX TEST PRESSURE	2.35MPA (341 PSI)
OPERATING PRESSURE	0.1MPA~1.96 MPA
MATERIAL	SUS 304
PCT NO	KR-2016-12451

Model	JIN-045	OW-S10	OW-H10	OW-CFS01	OW-CFS10	OW-HP0120	OW-HP1020
Size	25A	15A	15A	15A	15A	20A	20A
Flow rate (Nm <sup>3</sup> /min)	8.8	2.4	2.0	1.2	2.0	2.8	4.0
Method (Step)	Centrifugation	Centrifugation	1. Centrifugation 2. Filter(10μm)	1. Centrifugation 2. Filter(1μm) 3. Absorbent	1. Centrifugation 2 .Filter(10μm) 3. Absorbent	1. Centrifugation 2. Filter(1μm) 3. Absorbent	1. Centrifugation 2. Filter(10μm) 3. Absorbent
Performance	99.5%	99.5%	99.8%	99.99%	99.99%	99.99%	99.99%
Material	SS400	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304
Location	Intermediate	Less Than 5 meters from work site					
Drain	Auto drain valve	Auto drain valve	Auto drain valve	Auto drain valve	Auto drain valve	Ball Valve	Ball Valve)
Application	Where 1. Required Large quantity of air at one time. ex) Die Casting 2. Creating heavy Moisture at intermediate of compressed line.	Air Blow  Pneumatic Tool	Pneumatic Tool	Painting	Pneumatic Tool	Production Equipment & Accessory use compressed Air.	
Warranty	1 Year	2 Years				2 Years	
Working Pressure	Low Pressure ( ~ 9kg/㎠)					Medium/High( ~ 20kg/㎠)	

Note : Install vertically within 5 meters from work site.

Auto Drain Valve, Filter Element & Absorbent are excluded warranty because of expandable supplies.

## 5. Onwoo Water Separator-Application

보낸 사람: 김●●과장

보낸 날짜: 2016년 5월 19일 목요일 오전 9:04

받는 사람: 섯별

제목: 회신: 저속원심분리기 카다로그 -온우산업

현대/기아자동차 그룹에서 사용하는 구매시스템 바츠(V&TZ)상에  
품번 등록 완료 되었습니다 (품번 : GD535201605180035)  
후후 관련되는 업체에 바츠 품번 알려 주면 검색들 가능 할겁니다  
(기아자동차,현대자동차,현대모비스,현대글로비스,현대건설 등 등)

**품번정보 승인**

도면/이미지첨부 규격표시방법

클래스: 정류물->산업용기기/부품->로터 기기->압축기->압축기악세서리

**기본정보** 의뢰번호 : N2016051701150

**세부정보**

필수입력 강제해제 ☐ 속성지우기

사양  
적용  
비고

Operating Pressure : 0.1M  
압축공기 응축수 제거

**추가사항 및 특이사항**

제조사 : 온우산업 032)822-8582 / 010-4575-8572  
무보수,무동력,반영구적 수명  
특허출원 : 20-2015-0004508

**추가정보**

사용종자사용 ☐ 호환품 정보 ☐  
수정이력 ☐ 표준화 내용 ☐  
사용후기 ☐ 기타정보 ☐  
협력사 ☐

**담당자 정보**

담당자 김●●  
부서명 물류운영팀  
전화번호 02-510-9089

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품명(Eng) SEPARATOR  
제조사 온우산업  
모델번호 OW-S10  
주요사양  
단위 SET-SET  
원산지 한국  
등록상태 카탈로그달달승인  
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