

# SYSTEM SAVER SERIES

## AIR DRYERS



The WABCO System Saver Series provides a wide selection of air dryers that can meet the vast majority of vocational requirements. This comprehensive portfolio provides impressive drying capacity, resulting in cleaner air to downstream components, which increases their reliability and lifespan and decreases downtime for your vehicle. Additionally, the System Saver Series' compact and lightweight design allows for easy installation and replacement and ensures a seamless fit in today's space-constrained aerodynamic vehicles.

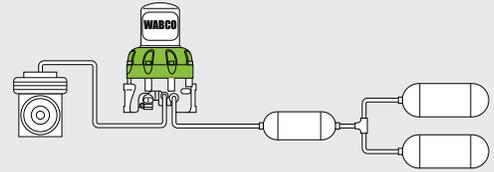
# SYSTEM SAVER SERIES AIR DRYERS

## WABCO OFFERS SEVEN DIFFERENT SYSTEM SAVER AIR DRYER MODELS:

### SYSTEM SAVER HP, 1200 PLUS

#### INTEGRATED PURGE VOLUME

The purge tank is contained within the dryer itself. It fills with system tanks when compressor is pumping. When compressor goes off-load, this internal volume is purged through the air dryer cartridge, in reverse flow direction. No air is taken from system tanks.



### SYSTEM SAVER HP – WABCO’S NEWEST GENERATION OF SYSTEM SAVER SERIES AIR DRYERS!



- Features the highest drying performance in the industry and provides 13% better drying capacity compared to other leading manufacturer’s most efficient model\*
- Has integral governor, which simplifies plumbing and reduces overall installed cost
- Is 14% lighter compared to other leading manufacturer’s lightest model and 30% lighter than our previous generation\*

### SYSTEM SAVER 1200 PLUS



- Has integral governor, which simplifies plumbing and reduces overall installed cost
- Includes two mounting surfaces to accommodate vehicle designs
- Is compatible with latest engines and EPA emission control systems, and interchangeable with similar integral purge volume reservoir applications in the North American market

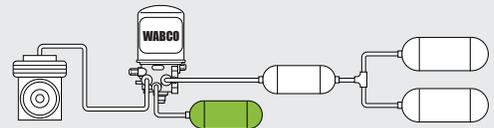
- Includes two mounting options that accommodate the vast majority of vehicle configurations

**IMPROVED AIR USAGE EFFICIENCY** AS NO SYSTEM AIR IS REQUIRED FOR REGENERATION OF THE CARTRIDGE,  
**MAXIMIZING AVAILABLE AIR for BRAKING, SUSPENSION AND TRANSMISSION**

### SYSTEM SAVER 1200P, 1800P

#### EXTERNAL PURGE VOLUME

Purge and air system tanks fill when compressor is pumping. When compressor goes off-load, purge tank dumps everything into air dryer cartridge in reverse flow direction. No air is taken from system tanks.



### SYSTEM SAVER 1200P



- Ideal for applications requiring frequent starts and stops and longer compressor cycles
- Designed for use with dedicated purge volume reservoir, requiring separate 300-350 cubic inch purge tank

### SYSTEM SAVER 1800P

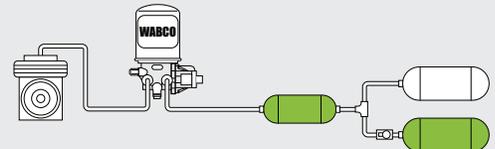


- Includes same features as the 1200P model but has larger 1800cc cartridge with 50% more desiccant, providing increased drying capacity for heavier duty applications
- Requires separate 400-450 cubic inch purge tank

### SYSTEM SAVER 1200, TWIN, ECAD

#### SYSTEM AIR REGENERATION

System tanks fill when compressor is pumping. When compressor goes off-load, supply tank and secondary tank provide back-flow air for regeneration process. No separate purge reservoir is required, reducing weight and potential leak paths.



### SYSTEM SAVER 1200



- Features lightweight design, weighing only 11.1 pounds, which is 17 pounds lighter than competitive air dryers
- Requires pressure control check valve to use system air for regeneration

### SYSTEM SAVER TWIN



- Features sequential two cartridge system, enabling continuous operation by allowing one cartridge to regenerate while the other continues to dry air
- Designed for compressors that operate almost continuously and for trucks with high air usage accessories such as central tire inflation

### ELECTRONICALLY CONTROLLED AIR DRYER (ECAD)



- System monitors air usage, allowing regeneration only when needed
- Allows for intermediate smart regenerations during long pumping cycles
- Uses most of the same repair kits as other System Saver 1200 Series

\*Based on competitive testing

## FEATURES & BENEFITS

### DESIGN



- Simple, lightweight design allows for easy installation
- Premium desiccant provides greater water adsorption capability
- Comes with standard or oil coalescing cartridge
- Includes integrated mounting surface
- Equipped with a pressure relief safety valve
- 100 watt heater available for both 12V and 24V applications

### OPTIONAL ADD-ONS



- Optional turbo cut-off valve for boosted compressor applications (*note: available for all models except Twin*)
- Optional silencer helps reduce noise in sensitive urban areas

### SERVICEABILITY



- Spin-on cartridge allows for easy changeover and reduced downtime, taking less than five minutes to replace
- Service components are external for easy replacement and available as separate repair kits

### Specifications

Series	Height	Width	Projection from Frame	Weight
HP	16.0" (405.5 mm)	9.4" (238 mm)	8.9" (227 mm)	14.0 lbs.
SS 1200 Plus	14.7" (373 mm)	9.3" (237.5 mm)	9.3" (237.5 mm)	19.8 lbs.
SS 1800P	14.4" (366 mm)	8.2" (208 mm)	5.7" (145 mm)	12.4 lbs.
SS 1200P	11.2" (284 mm)	8.2" (208 mm)	5.7" (145 mm)	10.4 lbs.
ECAD	10.0" (254 mm)	7.9" (200 mm)	5.6" (142.5 mm)	8.6 lbs.
SS Twin	12.5" (317 mm)	12.8" (325 mm)	6.9" (175 mm)	22 lbs.
SS 1200	11.2" (284 mm)	8.2" (208 mm)	5.7" (145 mm)	11.1 lbs.

### Application (Number of Braked Axles Including Trailers)

Series	Linehaul	City Utilities/ Delivery	City Garbage	Cement Mixer	Dump Truck	Off-Hwy/ Construction	Bulk Hauler Logger
HP	2-9+ Axles	2-6 Axles	2-6 Axles	2-6 Axles	2-7+ Axles	2-7+ Axles	2-5+ Axles
SS 1200 Plus	2-9 Axles	2-6 Axles	2-6 Axles	2-6 Axles	2-7+ Axles	2-7+ Axles	2-5+ Axles
SS 1800P	2-11+ Axles	2-7+ Axles	2-6 Axles	2-6 Axles	2-7+ Axles	2-7+ Axles	2-5+ Axles
SS 1200P	2-9 Axles	2-6 Axles	2-6 Axles	2-6 Axles	2-7+ Axles	2-7+ Axles	2-5+ Axles
ECAD	2-9 Axles	2-6 Axles	2-6 Axles	2-6 Axles	2-7+ Axles	2-7+ Axles	2-5+ Axles
SS Twin	2-11+ Axles	2-7+ Axles	2-6 Axles	2-6 Axles	2-7+ Axles	2-7+ Axles	2-5+ Axles
SS 1200	2-6 Axles	2-6 Axles	-	2-6 Axles	2-6 Axles	2-6 Axles	2-4 Axles

### Overriding Options

Series	Central Tire Inflation**	Air Start**	Max. Rated Compressor Size (CFM)			Max. Compressor Duty Cycle		
			≤25	≥25 ≤35	≥25 ≤50	≤30	>30 ≤50	>50 ≤100
HP	-	OK	OK	OK	-	OK	OK	-
SS 1200 Plus	-	OK	OK	OK	-	OK	OK	-
SS 1800P	OK***	OK	OK	OK	OK	OK	OK	-
SS 1200P	-	OK	OK	OK	-	OK	OK	-
ECAD	-	OK	OK	OK	-	OK	OK	-
SS Twin	OK	OK	OK	OK	OK	OK	OK	OK
SS 1200	-	-	OK	-	-	OK	-	-

\* Per SAE J2384 \*\* If air for these applications is not dried by the air dryer, then the restriction does not apply \*\*\* Three axles maximum



### **SYSTEM SAVER SERIES AIR DRYERS**

WABCO System Saver Series air dryers are an industry benchmark—setting standards for desiccant-type air dryers. These air dryers can meet virtually any vocational requirement, and their compact and lightweight design allows for easy installation, making them perfect for the limited space available in today's aerodynamic vehicles.

**For further product details contact your distributor or the  
WABCO Customer Care Center at 855-228-3203.**

**WABCO** (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Founded nearly 150 years ago as the “Westinghouse Air Brake Company,” WABCO continues to pioneer breakthrough innovations for advanced driver assistance, braking, stability control, suspension, transmission automation and aerodynamics. WABCO reported sales of \$3.3 billion in 2017 and has 15,000 employees in 40 countries. For more information, visit:

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