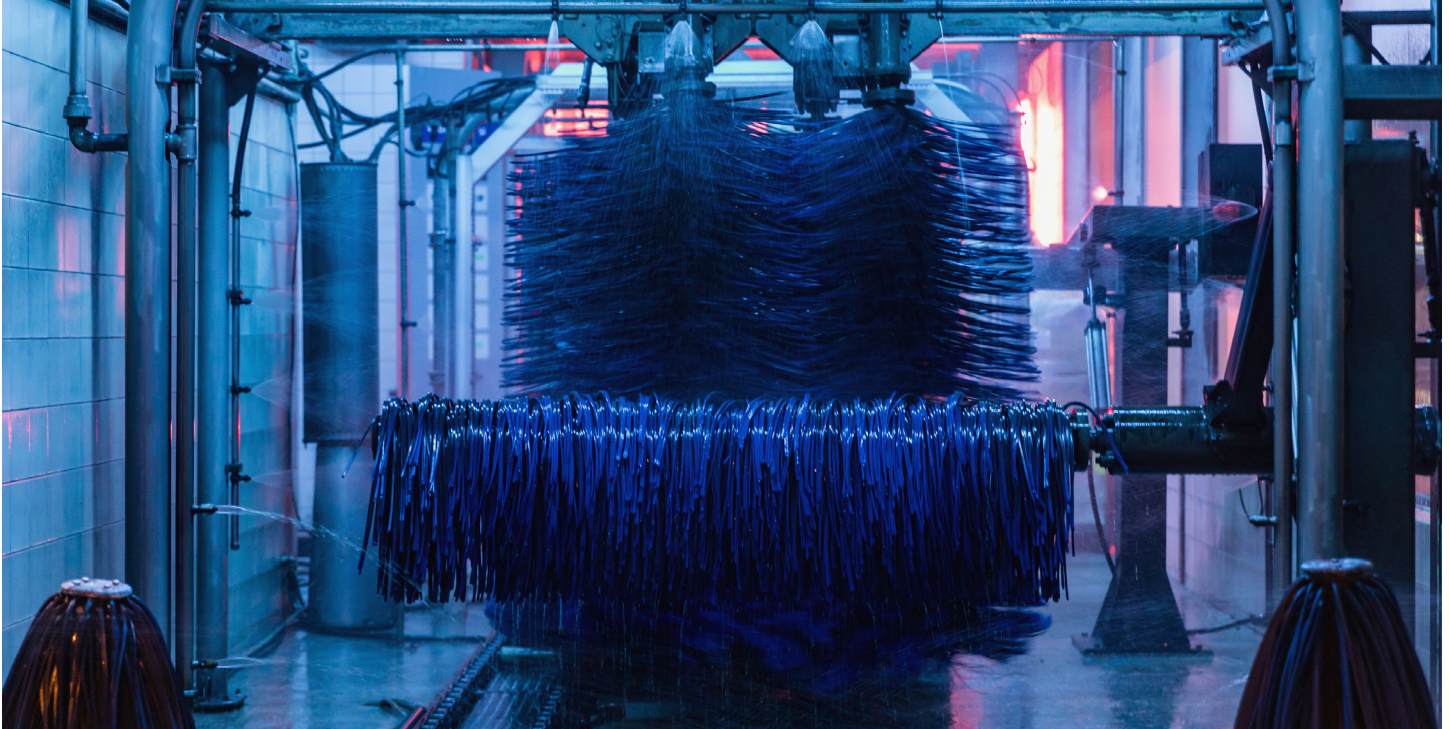


Compressed Air for Automated Car Wash Systems



Automated car washes rely heavily on many pneumatic valves and actuators with high cycling rates. The integrity of the lubrication and seals in these devices is critical to proper mechanical operation and through-put.

Piston compressors operate at much higher temperatures than screw compressors. They are often oversized and run at unnecessary high pressure so that they can periodically shut off and cool down to prevent compressor failure. Further, the hotter air holds more moisture that will make its way to your pneumatic devices. Over time, this hot, wet compressed air strips away the lubricants in valves, cylinders, and actuators. The resulting accelerated/premature wear of seals causes pneumatic devices to drag and stick. Coils in solenoids burn out trying to actuate stuck or sluggish valves. These failures result in more frequent maintenance, repair, and replacement (in the case of “lubed for life” devices). In addition to the higher operating costs, the downtime for these repairs interrupts operations and causes loss of revenue.

Compared to the commonly used piston style compressor, the Kaeser AIRCENTER and AIRTOWER packages with compressor, tank, dryer, and liquid drain delivers air that is much cooler, cleaner, and drier. This greatly prolongs the life of pneumatic devices, and because it is a screw compressor, it can run continuously without overheating.

For high volume car washes, your savings from lower operating costs and reduced downtime will far outweigh the cost of upgrading to a rotary screw compressor system.



Life just got easier

Key features of AIRCENTER and AIRTOWER packages

Rotary screw compressor - runs cooler without the need for cool down time

Refrigerated air dryer - removes moisture vapor that would otherwise reach pneumatic components

Automatic liquid drain - prevents liquid accumulation in the tank

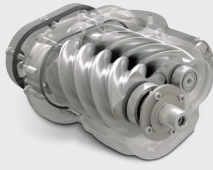






Air tank - coated inside and out to prevent rust

Sound dampening enclosure

Minimal noise and vibration

Compact vertical design that saves floor space



	VS	
Rotary Screw		Piston
100%		Limited
	DUTY CYCLE	
4 - 4.5 cfm/hp		3 - 3.5 cfm/hp
	CAPACITY	
1 - 5 ppm		10 ppm - no upper limit
	OIL CARRY-OVER	
170°F - 200°F 10°F - 20°F above ambient		300°F - 400°F 100°F and higher above ambient
	INTERNAL OPERATING TEMP. DISCHARGE TEMP.	
65 - 75 dB(A)		80+ dB(A)
	NOISE LEVELS	

Don't buy a compressor if all you need is compressed air

Buying and operating a compressor comes with its share of headaches. We offer an alternative. KAirFree is guaranteed clean, dry compressed air as a service for as low as \$100 per month! All maintenance & repairs are included. No hidden costs. For many users, a KAirFree plan will be less expensive than buying and maintaining your compressor. See if KAirFree makes sense for you at www.kairfree.com.



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