AirSmart™ Air Dryer

994-600 Series

Precision Air Management Technology

Upgrading to the 994-600 series AirSmart™ Air Dryer is more than just an intelligent choice. Equipped with patented, and the most advanced air dryer technology available, this series is designed to deliver innovative solutions and unmatched performance. AirSmart™ expertly eliminates condensation, provides real-time performance monitoring and helps you avoid costly, unplanned maintenance.

- Multifunctional self-test button for increased locomotive velocity
- Digital humidity sensor for precise monitoring of air quality
- Coalescer filters with two-stage sump design and advanced slide valve
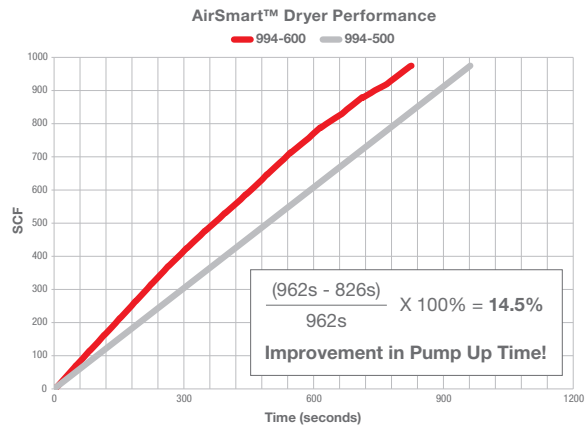- Embedded control for optional Auto-Stop drain valve

CUSTOMER BENEFITS:

+ Reduced downtime and elimination of manual checks with self-test button

+ Auto-resetting humidity indicator provides real-time feedback to ensure system health

+ IoT ethernet connectivity allows for remote situational monitoring

+ Maximum removal of liquid water and oil aerosols lessens threat of corrosion

AirSmart's Intelligent System Reduces Air Loss and Threat of Contamination

Additional benefits of use:

- Increased air savings and extended life cycle
- Maintenance awareness through smart dryer interface
- Faster train line pump up time

AirSmart™ Dryer Performance

$$\frac{(962s - 826s)}{962s} \times 100\% = \textbf{14.5\%}$$

Improvement in Pump Up Time!

Product Specifications

Operation	Twin tower, pressure swing regeneration, purge and tower cycle times based on air demand and inlet conditions
Desiccant Material	Activated alumina — in bags
Pressure	Max system pressure — 150 psig (10.0 bar)
Temperature	-40 deg. F to +160 deg. F (-40 deg. C to +70 deg. C) Heater is included as a standard feature
Inlet Flow	100 scfm nominal (2826 l/min)
Pressure Drop	5 psig max (less coalescer) at 100 scfm @ 100 psig and 105 deg. F
Coalescing Filter Rating	99.9% efficiency @ 0.3 microns
Voltage	24 to 138 VDC continuous operation
Current	0.1 A max @ 74 VDC (Heater Off); 5 A max @ 74 VDC (Heater On)
Size	29" W x 24.22" H x 16.5" L; 737 mm W x 615 mm H x 419 mm L
Weight	155 lbs (45 kg) — dryer only 75 lbs (34 kg) — mounting bracket only
Other Features	Ethernet ready / Program port for diagnostics / Status and fault indicator / Condition-based maintenance / Health monitoring / Triggers fault when dryer not operating properly / Microprocessor stores lifetime operation data / Microprocessor stores power and fault logs / Continuous monitoring of all sensor and reports and operational issues
Additional Options	Muffler / Multi-language labels

To discover everything AirSmart™ Air Dryer 994-600 series can do, contact: